

ACP | Internal  
Medicine  
Meeting



100 YEARS OF EDUCATION

Details about  
**CME credit**  
and **MOC points**  
on page 4.



# SCIENTIFIC PROGRAM

ACP INTERNAL MEDICINE  
MEETING 2019

APRIL 11-13, 2019  
PHILADELPHIA, PA



## Welcome to Internal Medicine Meeting 2019

Dear Colleagues,

Welcome to Philadelphia and ACP's Internal Medicine Meeting 2019. As the College's hometown, Philadelphia is the ideal place to commemorate the 100th anniversary of our annual meeting. We are excited to connect great minds from across the country and around the world, offering an exceptional educational experience delivered by world-class faculty.

Whatever your specialty, Internal Medicine Meeting provides essential knowledge to keep you updated on the most recent advances in patient care, within your practice area and across all of internal medicine. In addition to attending scientific sessions, you can refresh your skills at the Clinical Skills Center, visit the Exhibit Hall and the ACP Resource Center, take advantage of networking opportunities, and enjoy other educational and cultural events.

Don't miss these new and innovative events during the meeting this year:

- ACP Clinical Skills Center Open House: Rise, shine, and explore the "Thrills and Skills" epicenter of the meeting. Enjoy complimentary coffee and participate in a scavenger hunt and putting contest for the chance to win prizes, such as an ACP gift card or a free copy of the new MSKAP 18. (Friday, April 12, 7:00-7:45 a.m., Convention Center, Hall C)
- ACP's *Innovation Challenge: Fostering Partnerships between Physicians and Patients*: A "Shark Tank" style competition showcasing original ideas that have the potential to transform the practice of internal medicine. Finalists will present submissions to a panel of judges who select the \$20,000 prize winner. Attendees will also vote for the winner of a \$5,000 Audience Choice prize. (Saturday, April 13, 10:30 a.m.-12:00 p.m., Exhibit Hall DE, Innovation Theater #2)
- *Annals of Internal Medicine* Story Slam: Inspired by the journal's popular series of essays, "On Being a Doctor," this special evening event will feature physicians sharing personal experiences that reflect the human side of medicine. (Wednesday, April 10, 5:30-7:30 p.m., Philadelphia Marriott Downtown, Liberty Ballroom. Free event, tickets required. Light hors d'oeuvres will be served. Cash bar available.)
- Tech Hub: Visit this interactive technology demo area to experience innovative mobile diagnostic tools, telehealth technology, and other digital health applications. Presentations during breaks will showcase practical applications of emerging technologies. (Thursday, April 11-Saturday, April 13, Exhibit Hall DE)

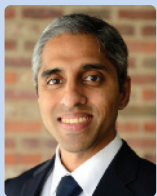
Download the ACP Internal Medicine Meeting 2019 mobile app to build a personalized schedule of sessions and events. Share your experiences at the meeting on social media using the hashtag **#im2019**.

As internists, our desire for continual learning makes us preeminent clinicians and accomplished diagnosticians. At the Internal Medicine Meeting, we learn together and grow professionally to meet our goal of providing the best patient care.

Enjoy ACP's hometown of Philadelphia, which is full of history, character, cultural offerings and wonderful restaurants. Thank you for your commitment to internal medicine, and I hope the meeting will be professionally and personally rewarding.

Sincerely,

Ana María López, MD, MACP  
President  
American College of Physicians



## Meet Your Keynote Speaker

Vivek H. Murthy, MD, MBA

*19th Surgeon General of the United States*

We are pleased to welcome Vivek. H. Murthy, MD, MBA as this year's Keynote Speaker, as we commemorate our 100th Internal Medicine Meeting. Vice Admiral Vivek H. Murthy (@vivek\_murthy) served as the 19th Surgeon General of the United States from 2014-2017. As Surgeon General, Dr. Murthy commanded the U.S. Public Health Service Commissioned Corps, a uniformed service of 6,600 public health offices serving vulnerable populations in 800 locations domestically and abroad. During his tenure, he helped address critical public health issues, including the Ebola outbreak, Zika virus, low rates of physical activity, and the e-cigarette epidemic among youth. In 2016, he launched the TurnTheTideRx campaign to combat the opioid epidemic. Dr. Murthy also issued the first Surgeon General's report on Alcohol, Drugs, and Health to mobilize the nation to address our addiction crisis, and he released the first report on e-cigarette use among youth.

Dr. Murthy has called emotional well-being one of the most important and most underappreciated drivers of health. In particular, he has drawn attention to the profound impact that loneliness and social disconnection have on health, productivity, and education.

Dr. Murthy received his bachelor's degree from Harvard and his M.D. and M.B.A. degrees from Yale. He completed his residency training at Brigham and Women's Hospital and Harvard Medical School, where he later joined the faculty as an internal medicine physician and instructor. As a clinician-educator, Dr. Murthy has cared for thousands of patients and trained hundreds of residents and medical students.

In addition to clinical practice, Dr. Murthy has dedicated himself to improving health through the lens of service, research, and entrepreneurship. He co-founded VISIONS, an HIV/AIDS education program in India and the United States, and the Swasthya project ("health and well-being" in Sanskrit), a community health partnership in rural India that trained women to be health providers and educators. As a research scientist, Dr. Murthy conducted laboratory research on vaccine development and studied the participation of women and minorities in clinical trials. He also co-founded TrialNetworks, a software technology company that accelerates collaboration in clinical trials.

## Internal Medicine Meeting Scientific Program Committee

The following individuals were instrumental in developing the Scientific Program. Their hard work and expertise are evident throughout the program.

Patrick E. Young, MD, FACP, FACG, FASGE, Chair

Rachel P. Brook, MD, Member

Robert K. Cato, MD, FACP

Daniel Dressler, MD, FACP

Stephanie S. Faubion, MD, FACP

Jonathan J. Hogan, MD

Gregory C. Kane, MD, MACP

Lillian F. Lien, MD, FACP

Eileen M. Moser, MD, MACP

Lawrence M. Phillips, MD, FACP

William D. Surkis, MD, FACP

Banu E. Symington, MD, MACP

Michael J. Tan, MD, FACP

Alexandra S. Villa-Forte, MD, FACP

Soma Wali, MD, MACP

## ACP Committees and Councils

The College wishes to thank the following ACP Committees and Councils for their assistance in planning and presenting portions of the Scientific Program.

Clinical Guidelines Committee

Clinical Skills Committee

Council of Early Career Physicians

Council of Resident/Fellow Members

Council of Student Members

Ethics, Professionalism, and Human Rights Committee

Health and Public Policy Committee

International Council

Medical Informatics Committee

Medical Practice and Quality Committee

Membership Committee

Multiple Small Feedings of the Mind Work Group

Patient Partnership in Healthcare Committee

Physician Well-Being and Professional Satisfaction Task Force

Volunteerism Committee

Disclosure information for Internal Medicine Meeting 2019 faculty and Committee and Council members is available by downloading the ACP Meetings mobile app from your app store. Select the ACP Internal Medicine Meeting 2019 event and tap **Download Event**. Once inside the event, tap on the **Faculty & Disclosures** icon.

# Take the meeting home with you!

Meeting recordings extend your learning experience.



Continue learning after the meeting with scientific and practice-related session recordings from Internal Medicine Meeting 2019. Opt for CME credit and MOC points on selected packages. Recordings are available in a variety of formats to best fit your learning needs.

Visit us at one of our booth locations for special onsite discounts:

- Arch Street Lobby near Room 119
- Terrace Ballroom Lobby

[playbackacp.com/im2019](http://playbackacp.com/im2019)

ACP | Internal Medicine Meeting 






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## Legend

**CC** Pennsylvania Convention Center

**HQ** Philadelphia Marriott Downtown (Headquarter Hotel)

 Recordings available for purchase

**S** Fulfills state-specific CME requirements

Rooms are subject to change. Changes will be posted outside of assigned meeting rooms.

All sessions are held in the Pennsylvania Convention Center unless otherwise indicated.

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# Overview of Internal Medicine Meeting 2019

**Internal Medicine Meeting 2019 is a multifaceted program. To get the most out of your attendance, familiarize yourself with the overall program and customize a schedule to include the programs and activities that are of most interest to you.**

## Scientific Program

The heart of Internal Medicine Meeting 2019—more than 200 educational offerings that cover the spectrum of internal medicine.

## Clinical Skills Center

Multiple opportunities for interactive learning. Update physical examination skills, learn new office-based procedures, improve your well-being and professional satisfaction, and more.

## Programs for Early Career Physicians, Residents/Fellows, and Medical Students

An expansive roster of sessions, programs, and ancillary events are offered throughout the meeting. See pages 77-78 for details.

## College Activities

A range of activities, including the Opening Ceremony, Convocation, the Annual Business Meeting, and Alumni and Chapter/Regional social events, is offered. Also look for a variety of networking receptions.

## Exhibits

Explore the Exhibit Hall and its rich collection of resources. Learn about the latest products and services to benefit your practice, patients, and professional development. More than 200 companies are represented.

## Industry-Supported Additional Learning Opportunities

Learn more about new treatment options for common conditions while enjoying a complimentary meal or snack. Throughout the day, CME and non-CME lectures are offered in various locations. See pages 87-92 for the full schedule and locations.

These industry-supported events are independently organized and are not an official part of the Internal Medicine Meeting 2019 education program.

## Learning Formats (Session Codes)

### Clinical Pearls (CP)

Faculty present brief clinical cases illustrating important teaching points that are relevant to the practicing internist but not widely appreciated. Attendees assess their clinical judgment by using audience-response keypads to answer case-based questions.

### Clinical Skills Workshops (CSW)

Most sessions at Internal Medicine Meeting 2019 are held in large rooms that can accommodate anticipated attendance. However, due to close faculty-learner interaction or hands-on-style education, these small-group workshops have a limited number of seats available. There is no ticket required to attend these workshops; however, it is highly recommended that you arrive at the classroom well in advance of the scheduled start time. Seats will be filled on a first-come, first-served basis.

**Note:** Clinical Skills Workshops will be held at the Philadelphia Marriott Downtown Hotel located just across the street, and connected by skywalk to, the Pennsylvania Convention Center.

### Clinical Triads (CT)

This format builds on the popularity of fast-paced sessions and features three speakers concisely addressing different aspects of an overarching theme. Each session covers topics that are highly relevant to clinical practice.

### Meet the Professor (MTP)

Distinguished faculty analyze controversial issues, recent advances, and new developments in selected topics.

### Multiple Small Feedings of the Mind (MSFM)

Faculty provide concise, evidence-based answers to common, yet difficult, patient-management problems. Emphasis is on complex or controversial issues frequently faced by practicing internists.

### Panels (PN)

Two or more faculty address different aspects of the selected topic or engage in point-counterpoint discussion.

### Slide Shows (SS)

Highly visual presentation of selected topics.

### Updates (UD)

Analysis of six to twelve of the year's most important published papers in the subspecialties and related areas.



## Internal Medicine Meeting 2019 Program Objectives

At the conclusion of Internal Medicine Meeting 2019, attendees should be able to:

- Assess recent advances in clinical medicine and related sciences in light of the supporting evidence.
- Implement changes in clinical practice in accordance with these advances to improve patient care.
- Improve their clinical skills in performing the physical examination, communicating with patients, and managing clinical information.
- Evaluate changes in the external practice environment and their potential impact on medical practice and patient care, and implement improvements as needed.

## Educational Disclaimer

The primary purpose of Internal Medicine Meeting 2019 is educational. Information presented, as well as publications, technologies, products, and/or services discussed, are intended to inform participants about the knowledge, techniques, and experiences of the faculty who are willing to share such information with colleagues. A diversity of professional opinion exists, and the views of Internal Medicine Meeting 2019 faculty are their own and not those of the ACP. Faculty are required to inform the audience if they will be discussing unapproved or investigative use of a commercial product or device. The ACP disclaims any and all liability for damages and claims that may result from participation in courses, sessions, workshops, etc. and/or the use of information, publications, technologies, products, and/or services presented at Internal Medicine Meeting 2019 or distributed in association with the meeting.

## Disclosure

It is the policy of the American College of Physicians (ACP) to ensure balance, independence, objectivity, and scientific rigor in all of its educational activities. To this end, and consistent with the policies of the ACP and the Accreditation Council for Continuing Medical Education (ACCME), all those in a position to control the content for all ACP continuing medical education activities are required to disclose any financial relationships that they have with any entity that produces, markets, resells, or distributes health care goods or services consumed by, or used on, patients. Faculty are asked to use generic names in their discussion of therapeutic options. If trade name products manufactured by companies with whom they have relationships are to be discussed, faculty are asked to provide evidence-based citations in support of the discussion. This information is reviewed by individuals who have oversight for portions of the scientific program, and, if necessary, adjustments are made to the topic or faculty to balance the discussion. Further, all participants are asked to evaluate each session for commercial bias so that future decisions about content and faculty are made in light of this information.

ACP is grateful for the support it received from industry for Internal Medicine Meeting 2019. All grants and in-kind contributions are acknowledged on pages 14-15.

All Internal Medicine Meeting 2019 activities designated for category 1 credit are planned by the ACP Internal Medicine Scientific Program Committee and other College committees and councils. Choice of CME topics and selection of faculty are made independent of commercial influence.

Disclosure information for Internal Medicine Meeting 2019 faculty and Committee and Council members is available by downloading the ACP Meetings mobile app from your app store. Select the ACP Internal Medicine Meeting 2019 event and tap **Download Event**. Once inside the event, tap on the **Faculty & Disclosures** icon.

## Continuing Medical Education (CME) Credit & ABIM Maintenance of Certification (MOC) Points

The American College of Physicians (ACP) is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education (CME) for physicians.

The ACP designates each live activity for the number of *AMA PRA Category 1 Credit(s)*<sup>™</sup> listed below. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### Internal Medicine Meeting 2019

30.5 *AMA PRA Category 1 Credits*<sup>™</sup>

### Internal Medicine Meeting 2019 Pre-Courses

One-day Pre-Courses, 7 *AMA PRA Category 1 Credits*<sup>™</sup>

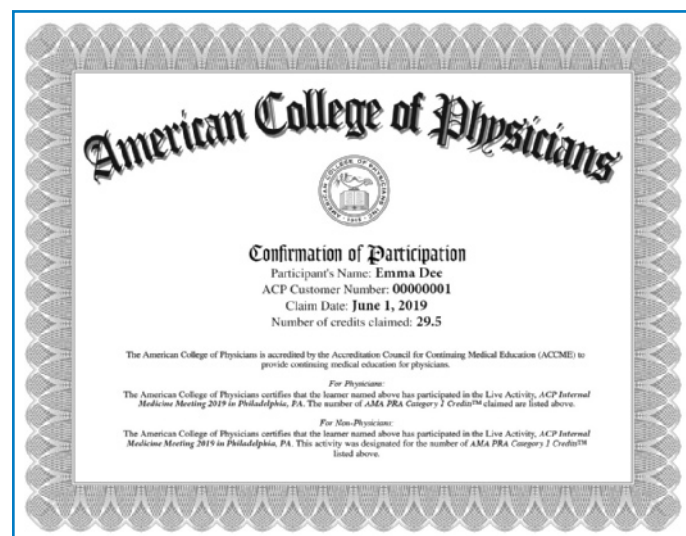
Two-day Pre-Courses, 14 *AMA PRA Category 1 Credits*<sup>™</sup>

The American Medical Association has determined that physicians not licensed in the United States who participate in this CME activity are eligible for *AMA PRA Category 1 Credit(s)*<sup>™</sup>.

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada that are developed by a university, academy, hospital, specialty society, or college as automatically approved as accredited group learning activities.

## ABIM Maintenance of Certification (MOC) Points

Successful completion of these CME activities, which includes participation in the evaluation component, enables the participant to earn Medical Knowledge MOC points in the American Board of Internal Medicine's (ABIM) Maintenance of Certification (MOC) program. Participants will earn MOC points equivalent to the amount of CME credits claimed for the activity. It is the CME activity provider's responsibility to submit participant completion information to ACCME for the purpose of granting ABIM MOC credit.



## Internal Medicine Meeting 2019

30.5 MOC Points

### Internal Medicine Meeting 2019 Pre-Courses

One-day Pre-Courses, 7 MOC points

Two-day Pre-Courses, 14 MOC points

## Attend Internal Medicine Meeting 2019– Fulfill State CME Requirements

### State CME Requirements

A number of states require CME credit in specific content areas for licensure renewal. To help physicians meet these requirements, letters of participation documenting attendance at these sessions are available online at [annualmeeting.acponline.org/CME](http://annualmeeting.acponline.org/CME).

For more information about CME or MOC, stop by the registration area or contact Member and Product Support at 800-ACP-1915 (M-F, 9:00 a.m.-5:00 p.m. ET).

## How to Claim CME Credit and MOC Points

Claim CME credit for your participation in Internal Medicine Meeting 2019 and the Pre-Courses by completing your CME Documentation Forms online at [annualmeeting.acponline.org/CME](http://annualmeeting.acponline.org/CME). Once you have completed the online CME form, your transcript will be accessible in 24 to 72 hours. Viewing your transcript is a benefit of ACP membership.

**Earn MOC** points equivalent to the amount of CME credits claimed by completing a brief Learner Assessment available online at [annualmeeting.acponline.org/CME](http://annualmeeting.acponline.org/CME). The Learner Assessment requires that you reflect on what you learned at the meeting and describe changes that you plan to implement or insights gained. Responses should be meaningful, reflective statements with a minimum of 50 characters. Responses will be reviewed. You will receive a brief follow-up survey at a later date asking you to assess the impact of your reflective statements.

**The deadline to claim MOC Points for Internal Medicine Meeting 2019 and the Pre-Courses is December 31, 2019.**

To claim MOC points, you must be enrolled in the ABIM Maintenance of Certification (MOC) program. For questions about ABIM's MOC program, go to [www.ABIM.org](http://www.ABIM.org) or contact ABIM at 800-441-2246.



Attending Internal Medicine Meeting 2019 is an excellent way to fulfill your state CME relicensure requirements. Internal Medicine Meeting 2019 meets broad-based state CME requirements, as well as specific content requirements mandated by some states. Contact your state medical board for information on specific requirements in your state. Following are content areas required by many states:

### Cultural Competency

#### A Brief Military History: The Key to Good Health Care for Veterans in Your Practice

CSW 001	Friday	7:00-8:00 a.m.	Independence Ballroom II-III (HQ)
CSW 002	Friday	11:15 a.m.-12:45 p.m.	Independence Ballroom II-III (HQ)

#### Challenges in the Medical Care of Immigrants

PN 038	Friday	2:15-3:45 p.m.	Room 120
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#### Ethics and Racial and Ethnic Disparities in End-of-Life Care

PN 019	Friday	8:15-9:15 a.m.	Room 108
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#### Improving Individual and Community Health by Addressing Social Determinants of Health

PN 022	Friday	4:30-5:30 p.m.	Room 120
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#### Practical Tips to Help You Care for Refugees

PN 039	Saturday	2:15-3:45 p.m.	Room 114
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### Electronic Health Records

#### EHR's Bigger Picture: Population Health and Patient Management

PN 026	Thursday	8:15-9:15 a.m.	Room 119
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#### Ethical Challenges Role Play: EHRs in the Service of the Patient

PN 018	Thursday	2:15-3:45 p.m.	Room 122
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#### Health IT within MIPS: Advancing Care Information

PN 027	Thursday	11:15 a.m.-12:45 p.m.	Room 119
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#### Hot Topics in Medical Informatics: Technology Trends That Are Reshaping Medicine

PN 028	Saturday	11:15 a.m.-12:45 p.m.	Room 119
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#### Innovations in EHR Education

PN 029	Friday	9:30-10:30 a.m.	Room 119
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#### Telling the Patient's Story in the EHR World

PN 030	Friday	11:15 a.m.-12:45 p.m.	Room 121
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### End-of-Life and Palliative Health Care

#### Ethics and Racial and Ethnic Disparities in End-of-Life Care

PN 019	Friday	8:15-9:15 a.m.	Room 108
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#### Palliative Care in the Noncancer Inpatient

MTP 058	Friday	7:00-8:00 a.m.	Room 118
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#### Palliative Care: Optimal Use in the Current World of Oncology

MTP 080	Saturday	9:30-10:30 a.m.	Room 120
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### Ethics/Professional Responsibility

#### Ethical Challenges Role Play: EHRs in the Service of the Patient

PN 018	Thursday	2:15-3:45 p.m.	Room 122
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#### Ethics and Racial and Ethnic Disparities in End-of-Life Care

PN 019	Friday	8:15-9:15 a.m.	Room 108
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#### Ethics, Deprofessionalization, and Physician Well-Being: "Re-Enchanting" Medicine

PN 020	Friday	11:15 a.m.-12:45 p.m.	Room 120
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#### Improving Individual and Community Health by Addressing Social Determinants of Health

PN 022	Friday	4:30-5:30 p.m.	Room 120
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#### Nicholas E. Davies Memorial Award Lecture: Covert Consciousness and Civil Rights: The Neuroethics of Severe Brain Injury

AL 001	Saturday	9:30-10:30 a.m.	Room 108
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#### Public Policy and the Opioid Epidemic

PN 023	Saturday	9:30-10:30 a.m.	Room 115
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### Geriatric Medicine

#### Advanced Dementia Management: Challenges and Dilemmas

MTP 029	Friday	9:30-10:30 a.m.	Room 115
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#### The Aging Planet: Impact Upon Health and Healthcare Delivery

PN 024	Thursday	11:15 a.m.-12:45 p.m.	Room 118
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#### Challenges in Geriatric Medication Management: An Interactive Case-Based Workshop

CSW 011	Thursday	4:30-6:00 p.m.	Liberty Ballroom C (HQ)
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CSW 012	Saturday	11:15 a.m.-12:45 p.m.	Liberty Ballroom C (HQ)
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#### Delirium Evaluation and Management in the Hospital

MTP 044	Saturday	4:00-5:00 p.m.	Room 108
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#### Dementia, Incontinence, and Falls: High-Value Care in the Older Adult

MTP 030	Friday	4:30-5:30 p.m.	Room 115
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#### Ethics and Racial and Ethnic Disparities in End-of-Life Care

PN 019	Friday	8:15-9:15 a.m.	Room 108
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#### Medication Management in the Older Adult: To Escalate or De-escalate?

MTP 031	Saturday	11:15 a.m.-12:45 p.m.	Room 103
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#### Office-Based Assessment of the Older Adult: Keep Mom Moving

MTP 032	Thursday	4:30-5:30 p.m.	Room 118
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#### Osteoporosis High-Value Care

MTP 020	Saturday	8:15-9:15 a.m.	Room 115
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#### Palliative Care in the Noncancer Inpatient

MTP 058	Friday	7:00-8:00 a.m.	Room 118
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#### Physician Competency and Aging

PN 037	Saturday	2:15-3:45 p.m.	Room 121
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#### Update in Geriatric Medicine

UD 004	Saturday	9:30-10:30 a.m.	Terrace IV
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## HIV/AIDS

### HIV: Long-Term Complications, Pre-exposure Prophylaxis, and Postexposure Prophylaxis

MTP 068 Friday 7:00-8:00 a.m. Room 114

## Infectious Diseases/Infection Control

### Antibiotics Made Ridiculously Simple (...or at Least a Heck of a Lot Easier!)

MTP 039 Thursday 2:15-3:45 p.m. Room 115

### Cervical Cancer Screening and HPV Update for the Internist

MTP 098 Thursday 2:15-3:45 p.m. Terrace III

### Curbside Consultations in Infectious Diseases

MTP 042 Friday 2:15-3:45 p.m. Room 113

### Encephalitis and Meningitis: Identification and Management

MTP 045 Friday 8:15-9:15 a.m. Room 115

### HIV: Long-Term Complications, Preexposure Prophylaxis, and Postexposure Prophylaxis

MTP 068 Friday 7:00-8:00 a.m. Room 114

### Practical Strategies for Increasing Adult Immunization While Improving Equity, Efficiency and Reimbursement

PN 032 Saturday 2:15-3:45 p.m. Room 118

### Review of Community-Acquired Pneumonia 2019

MTP 069 Friday 9:30-10:30 a.m. Room 118

### Shock and Sepsis Management to Save Lives

MTP 064 Saturday 4:00-5:00 p.m. Room 120

### Skin and Soft Tissue Infections

MTP 070 Thursday 7:00-8:00 a.m. Terrace I-II

### Update in Infectious Diseases

UD 007 Thursday 11:15 a.m.-12:45 p.m. Terrace IV

### Vector-Borne Diseases at Home and Abroad

MTP 071 Saturday 11:15 a.m.-12:45 p.m. Room 115

## Pain Management/Prescribing Controlled Substances/Opioid Prescribing

### Back Pain: Get Your Patient Back in the Game

MTP 089 Thursday 7:00-8:00 a.m. Terrace III

### Hand Pain: A Common Problem with Many Causes

MTP 093 Saturday 9:30-10:30 a.m. Terrace III

### Inpatient Pain Management in the Era of the Opioid Epidemic

MTP 054 Thursday 4:30-5:30 p.m. Room 113

### Medical Marijuana: Use and Management Update

MTP 010 Saturday 7:00-8:00 a.m. Terrace IV

### Medication Management in the Older Adult: To Escalate or Deescalate?

MTP 031 Saturday 11:15 a.m.-12:45 p.m. Room 103

### New FDA-Approved Medications That You Need to Know About

MTP 011 Friday 2:15-3:45 p.m. Terrace III

### The Opioid Epidemic and the Role of the Internist

MTP 012 Friday 11:15 a.m.-12:45 p.m. Terrace IV

## Public Policy and the Opioid Epidemic

PN 023 Saturday 9:30-10:30 a.m. Room 115

## Top 10 Medication Errors

MTP 013 Thursday 8:15-9:15 a.m. Terrace I-II

## What Internists Need to Know about Diagnosing and Managing Headaches: Taking the "Ache" Out of Headache

MTP 077 Saturday 8:15-9:15 a.m. Terrace I-II

## Patient Safety/Risk Management/Prevention of Medical Errors

### Handoffs: Improving Patient Care Transitions within the Hospital

MTP 046 Thursday 7:00-8:00 a.m. Room 120

### Medical Errors and How to Grow from Them

PN 015 Saturday 11:15 a.m.-12:45 p.m. Room 120

### Minimizing Medical-Legal Risk and Maintaining Inpatient Care Quality: Cases from the Trenches

MTP 056 Saturday 7:00-8:00 a.m. Room 120

### Quality Improvement for the Practicing Hospitalist

MTP 063 Saturday 8:15-9:15 a.m. Room 121

### Shock and Sepsis Management to Save Lives

MTP 064 Saturday 4:00-5:00 p.m. Room 120

### Transitions of Care: A Joint Session of the ACP and the European Federation of Internal Medicine

PN 025 Saturday 2:15-3:45 p.m. Terrace III

## Substance Abuse/Addiction Disorders

### Inpatient Pain Management in the Era of the Opioid Epidemic

MTP 054 Thursday 4:30-5:30 p.m. Room 113

### Medical Marijuana: Use and Management Update

MTP 010 Saturday 7:00-8:00 a.m. Terrace IV

### A Modern Approach to Tobacco Dependence

MTP 084 Thursday 4:30-5:30 p.m. Room 120

### The Opioid Epidemic and the Role of the Internist

MTP 012 Friday 11:15 a.m.-12:45 p.m. Terrace IV

## Public Policy and the Opioid Epidemic

PN 023 Saturday 9:30-10:30 a.m. Room 115





enough  
already.

It's time to help  
prevent migraine.

VISIT US AT  
**BOOTH 1200**  
TO LEARN MORE

#### Indication

Aimovig® is indicated for the preventive treatment of migraine in adults.

#### Important Safety Information

- The most common adverse reactions in clinical studies ( $\geq 3\%$  of Aimovig®-treated patients and more often than placebo) were injection site reactions and constipation.

Please see a Brief Summary of the Aimovig® full Prescribing Information on the adjacent page.

Hypothetical patient.

**AMGEN**®

 **NOVARTIS**

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## BRIEF SUMMARY OF PRESCRIBING INFORMATION

Please see package insert  
for full Prescribing Information



### INDICATIONS AND USAGE

AIMOVIG is indicated for the preventive treatment of migraine in adults.

### CONTRAINDICATIONS

None.

### ADVERSE REACTIONS

#### Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

The safety of AIMOVIG has been evaluated in 2,537 patients with migraine who received at least one dose of AIMOVIG, representing 2,310 patient-years of exposure. Of these, 2,057 patients were exposed to 70 mg or 140 mg once monthly for at least 6 months, 1,198 patients were exposed for at least 12 months, and 287 patients were exposed for at least 18 months.

In placebo-controlled clinical studies (Studies 1, 2, and 3) of 2,184 patients, 787 patients received at least one dose of AIMOVIG 70 mg once monthly, 507 patients received at least one dose of AIMOVIG 140 mg once monthly, and 890 patients received placebo during 3 months or 6 months of double-blind treatment. Approximately 84% were female, 91% were white, and the mean age was 42 years at study entry.

The most common adverse reactions (incidence  $\geq 3\%$  and more often than placebo) in the migraine studies were injection site reactions and constipation. Table 1 summarizes the adverse reactions that occurred during the first 3 months in the migraine studies (Studies 1, 2, and 3).

#### Adverse Reactions Occurring with an Incidence of at Least 2% for Either Dose of AIMOVIG and at Least 2% Greater than Placebo During the First 3 Months in Studies 1, 2, and 3

Adverse Reaction	AIMOVIG 70 mg Once Monthly N = 787 %	AIMOVIG 140 mg Once Monthly N = 507 %	Placebo N = 890 %
Injection site reactions <sup>a</sup>	6	5	3
Constipation	1	3	1
Cramps, muscle spasms	< 1	2	< 1

<sup>a</sup>Injection site reactions include multiple adverse reactions related terms, such as injection site pain and injection site erythema.

In Studies 1, 2, and 3, 1.3% of patients treated with AIMOVIG discontinued double-blind treatment because of adverse events. The most frequent injection site reactions were injection site pain, injection site erythema, and injection site pruritus.

### Immunogenicity

As with all therapeutic proteins, there is potential for immunogenicity. The detection of antibody formation, including neutralizing antibodies, is highly dependent on the sensitivity and specificity of the assay. Additionally, the observed incidence of antibody (including neutralizing antibody) positivity in an assay may be influenced by several factors including assay methodology, sample handling, timing of sample collection, concomitant medications, and underlying disease. For these reasons, comparison of the incidence of antibodies to erenumab-aooe in the studies described below with the incidence of antibodies in other studies or to other products may be misleading.

The immunogenicity of AIMOVIG has been evaluated using an immunoassay for the detection of binding anti-erenumab-aooe antibodies. For patients whose sera tested positive in the screening immunoassay, an *in vitro* biological assay was performed to detect neutralizing antibodies.

In controlled studies with AIMOVIG, the incidence of anti-erenumab-aooe antibody development was 6.2% (48/778) in patients receiving AIMOVIG 70 mg once monthly (2 of whom had *in vitro* neutralizing activity) and 2.6% (13/504) in patients receiving AIMOVIG 140 mg once monthly (none of whom had *in vitro* neutralizing activity). The neutralizing anti-erenumab-aooe antibody positive rate may be underestimated because of limitations of the assay. Although these data do not demonstrate an impact of anti-erenumab-aooe antibody development on the efficacy or safety of AIMOVIG in these patients, the available data are too limited to make definitive conclusions.

### USE IN SPECIFIC POPULATIONS

#### Pregnancy

##### Risk Summary

There are no adequate data on the developmental risk associated with the use of AIMOVIG in pregnant women. No adverse effects on offspring were observed when pregnant monkeys were administered erenumab-aooe throughout gestation (see Data). Serum erenumab-aooe exposures in pregnant monkeys were greater than those in humans at clinical doses.

In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% - 4% and 15% - 20%, respectively. The estimated rate of major birth defects (2.2% - 2.9%) and miscarriage (17%) among deliveries to women with migraine are similar to rates reported in women without migraine.

#### Clinical Considerations

##### Disease-Associated Maternal and/or Embryo/Fetal Risk

Published data have suggested that women with migraine may be at increased risk of preeclampsia during pregnancy.

#### Data

##### Animal Data

In a study in which female monkeys were administered erenumab-aooe (0 or 50 mg/kg) twice weekly by subcutaneous injection throughout pregnancy (gestation day 20 - 22 to parturition), no adverse effects on offspring were observed. Serum erenumab-aooe exposures (AUC) in pregnant monkeys were approximately 20 times that in humans at a dose of 140 mg once monthly.

#### Lactation

##### Risk Summary

There are no data on the presence of erenumab-aooe in human milk, the effects on the breastfed infant, or the effects on milk production. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for AIMOVIG and any potential adverse effects on the breastfed infant from AIMOVIG or from the underlying maternal condition.

#### Pediatric Use

Safety and effectiveness in pediatric patients have not been established.

#### Geriatric Use

Clinical studies of AIMOVIG did not include sufficient numbers of patients aged 65 and over to determine whether they respond differently from younger patients. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy.

**AMGEN** **NOVARTIS**

AIMOVIG™ (erenumab-aooe)

#### Manufactured by:

Amgen Inc.  
One Amgen Center Drive  
Thousand Oaks, CA 91320-1799 USA  
U.S. License No. 1080

#### Marketed by:

Amgen Inc. (Thousand Oaks, CA 91320), and  
Novartis Pharmaceuticals Corporation (East Hanover, NJ 07936)

Patent: <http://pat.amgen.com/aimovig/>  
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v1 05/2018





## Member and Product Support Assistance

CC • Broad Street Atrium

Our courteous staff will be available to assist you during the following hours:

Monday, April 8	3:00–6:00 p.m.
Tuesday, April 9	7:00 a.m.–4:30 p.m.
Wednesday, April 10	7:00 a.m.–5:00 p.m.
Thursday, April 11	6:00 a.m.–5:30 p.m.
Friday, April 12	6:30 a.m.–5:00 p.m.
Saturday, April 13	7:00 a.m.–2:00 p.m.

## Admission Requirements

Only registered Internal Medicine Meeting 2019 attendees will be admitted to Scientific Sessions. Registered attendees and guests may be admitted into the Exhibit Hall. Badges are available at the registration counters.

## Color Bars for Badges

Green	College Officers and Members, Non-Members, Allied Health Professionals, and Medical Students
Dark Grey	Pre-Course Only
Blue	Guests and Spouses
Orange	Exhibitors
Yellow	Press
Red	ACP Staff
Purple	Vendors

## Policy for Reserved Clinical Skills Center Activities

Your \$15 registration fee reserves your seat in the activity. Late arrivals who have purchased reserved tickets will be admitted if capacity allows.

## Clinical Skills Center Walk-in Policy

Internal Medicine Meeting 2019 attendees who did not purchase advance tickets for the Clinical Skills Center activities may be able to gain admittance onsite at no charge as a "walk-in" participant. Walk-ins will be admitted if capacity allows. We cannot guarantee that walk-ins will be admitted to the sessions, but seats are frequently available, especially on Friday afternoon and Saturday.

Participants are expected to arrive for sessions on time. Late arrivals who have purchased reserved tickets will be admitted if capacity allows.

## Rest and Recharge Lounge

Exhibit Hall DE • Booth 1157

Take a break while you charge your mobile devices or enjoy a game of Giant Operation!

## Business Services

The Business Center is located inside the Convention Center on the 200 level between Exhibit Halls B and C.

## Coat and Luggage Check

CC • Broad Street Atrium

Coat and luggage check is available in the Broad Street Atrium on the 100 level Tuesday, April 9, through Saturday, April 13, for a nominal fee.

## Bags and Personal Items

Attendees are asked not to leave bags or personal items unattended in the Convention Center. Items left unattended may be removed and potentially damaged. Attendees should ensure that their bags have nametags attached.

## The Americans with Disabilities Act

Scooters are available on a first-come, first-served basis and can be picked up at Registration in the Broad Street Atrium. You will need to leave a form of identification.

## Fire Code

ACP must comply with the fire codes that govern the Convention Center and affiliated convention hotels regarding the seating capacity of all meeting and event rooms. When any room fills to capacity, the doors will be closed. Please respect this limitation so that ACP can remain in compliance with local laws.

## Accent on Arrangements Child Care Activity Center Hours

HQ • Room 303

Wednesday, April 10	1:00–4:00 p.m. (Parent Open House)
Thursday, April 11	6:30 a.m.–11:00 p.m.
Friday, April 12	6:30 a.m.–11:00 p.m.
Saturday, April 13	6:30 a.m.–6:00 p.m.

## Nursing Mothers

CC • Room 102 B

Comfortably and privately breastfeed your baby or express milk in ACP's nursing mothers' suite. In addition, the Convention Center has two portable "Mamava" lactation suites. One is located near the Concierge Desk on the second level between Halls A and B, and another is located on the street level on the Broad and Arch Concourse.



### Ground Transportation

**Taxi**—Many companies provide taxi service at the Philadelphia International Airport. Taxicab booths can be accessed at Zone 5 on the Commercial Transportation Roadway. Taxi rides cost \$28.50 from the airport to Center City. An additional \$1.00 per passenger (\$3.00 maximum) after the first passenger will be charged on flat rate trips between the Airport and Center City for passengers over age 12. Taxis are required to accept credit card payments. Please visit [phl.org](http://phl.org) for more information.

**Car Rental**—Avis is the preferred car rental company for Internal Medicine Meeting 2019. Use Avis Worldwide Discount number (AWD) B116099 when you call 800-331-1600 to make a reservation.

**Rideshare**—Uber and Lyft also serve the Philadelphia International Airport and can be picked up outside baggage claim on the arrivals level. Follow the signs to ground transportation.

**Hotel Shuttle**—Complimentary shuttle service is provided for all participants at regular intervals to and from the Convention Center and participating hotels during the morning and afternoon hours.

PLEASE NOTE: There will be no midday shuttle service. Printed copies of the schedule will be available at your hotel and at the Convention Center and will include the pickup locations and times at designated hotels. The shuttle schedule is also accessible using the Meeting app—download the app to access schedule times and details. All times subject to change based on traffic conditions.

**Airport Transfers and Public Transit**—Public mass transportation is available from the Philadelphia International Airport to Center City Philadelphia. Southeastern Pennsylvania Transportation Authority, SEPTA, provides train service between Center City and the Airport on the Airport Regional Rail Line. Trains run every 30 minutes and operate from 4:52 a.m. to 11:52 p.m. (Center City to Airport) and from 5:07 a.m. to 12:30 a.m. (Airport to Center City).

Stations on the Airport Regional Rail Line include Terminal E/F, Terminal C/D, Terminal B, Terminal A (East), Eastwick, University City, 30th Street, and three Center City stations along Market Street (includes 30th Street, along with Suburban Station and Jefferson Station). All stations on the Airport Line are wheelchair accessible.

Connections to other SEPTA Regional Rail lines and transit routes can be made at University City, 30th Street, Suburban, and Jefferson Stations.

The one-way Regional Rail fare to Center City is \$6.75 or \$9.25 to any other station beyond Center City. For additional SEPTA information, call 215-580-7800 or visit [septa.org](http://septa.org).

**Parking**—Ample parking is available at the Pennsylvania Convention Center for a daily fee. Parking lots are located on Arch Street.

### Concierge Services Desk

CC • Broad Street Atrium and the 12th & Arch Street Entrance

The Philadelphia Convention and Visitors Bureau desk will be staffed Tuesday to Saturday. Their concierge services team provides information on the city, restaurants, entertainment, museums, and shopping suggestions.

### Hotel Information Desk

CC • Broad Street Atrium

For your convenience, ACP has a Hotel Information Desk onsite at the Convention Center. An agent from onPeak, LLC, will be available to assist you with any questions concerning your hotel reservations during the following hours:

Tuesday, April 9	8:00 a.m.–5:00 p.m.
Wednesday, April 10	8:00 a.m.–5:00 p.m.
Thursday, April 11	7:00 a.m.–5:00 p.m.
Friday, April 12	8:00 a.m.–5:00 p.m.
Saturday, April 13	8:00 a.m.–Noon



## Shuttle Schedule

**Please Note: There will be no midday shuttle service.**

Complimentary shuttle service is provided at regular intervals to and from the Convention Center and participating hotels during the morning and afternoon hours. Please consult the shuttle schedule for designated hotels and specific times. Subject to change and traffic conditions. Shuttle schedules may be found using the Meeting app or at your hotel and the Convention Center.

<b>Tuesday</b>	4/9/2019	6:15–9:00 a.m. • 3:00–6:00 p.m.	Every 20 minutes
<b>Wednesday</b>	4/10/2019	6:15–9:00 a.m. • 3:00–6:00 p.m.	Every 20 minutes
<b>Thursday</b>	4/11/2019	6:00–9:45 a.m. • 3:30–9:00 p.m.	Every 10 minutes
<b>Friday</b>	4/12/2019	6:00–9:45 a.m. • 3:30–6:30 p.m.	Every 10 minutes
<b>Saturday</b>	4/13/2019	6:00–9:45 a.m. • Noon–7:30 p.m.	Every 10–20 minutes

Route Name/ Color	To/From Pennsylvania Convention Center	Pickup Point Outside Hall G and H
Route A-Pink	Embassy Suites Philadelphia Center City	18th Street side of hotel
	Logan Hotel	Use Embassy Suites stop on 18th Street
	Windsor Suites	Use Embassy Suites stop on 18th Street
	Sheraton Philadelphia Downtown	Across 19th Street from driveway entrance
Route B-Green	Sonesta Hotel Rittenhouse Square	Curbside near Market Street entrance
	Bellevue Hotel	Curbside on Broad Street near front entrance
	Cambria Hotel & Suites Philadelphia	Use Bellevue stop on Broad Street
	Holiday Inn Express Midtown	Across 13th Street at Walnut

The hotels listed below are within walking distance of the Convention Center and are not serviced by the shuttle:

Aloft Philadelphia Downtown • Courtyard by Marriott Philadelphia Downtown

- Four Points by Sheraton Philadelphia City Center • Hampton Inn Philadelphia Convention Center
- Hilton Garden Inn Philadelphia Center City • Le Meridien Philadelphia • Loews Philadelphia Hotel
- Philadelphia Marriott Downtown • Residence Inn by Marriott Philadelphia Center City
- Ritz-Carlton Hotel Philadelphia

### Mobile Access and Interaction at Internal Medicine Meeting 2019

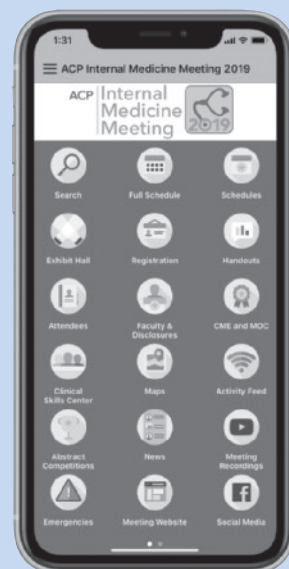
ACP has made the meeting more accessible and engaging by expanding our mobile features. Take advantage of them all to get the most out of Internal Medicine Meeting 2019.

**Download the Internal Medicine Meeting 2019 App** for iPhone, iPad, and Android. Search for “ACP meeting” in your app store. The app includes complete searchable schedules of scientific sessions, ACP events, and industry-supported additional learning opportunities, allowing you to build your own schedule. You will also find helpful information, such as access to handouts, exhibitor listings, maps, and daily news from the meeting. Download or learn more at [annualmeeting.acponline.org/app](http://annualmeeting.acponline.org/app).

View or download handouts at [annualmeeting.acponline.org/handouts](http://annualmeeting.acponline.org/handouts).

#### ACP and #im2019 on social media

Join the conversation and share your experiences around Internal Medicine Meeting 2019. Use hashtag **#im2019** in your posts and be sure you follow ACP on Instagram ([instagram.com/acpinternists](https://www.instagram.com/acpinternists)), **Twitter** ([twitter.com/acpinternists](https://twitter.com/acpinternists)), and **Facebook** ([facebook.com/acpinternists](https://facebook.com/acpinternists)) for all the latest news and information about the meeting.



### Emergency Procedures

Medical/General Emergencies inside the Convention Center

For all emergencies inside the Convention Center, call 4911 from a house phone or 215-418-4911

#### Convention Center First Aid

First Aid Room, Hall D

200 level of the Convention Center

#### Medical/General Emergencies Outside the Convention Center

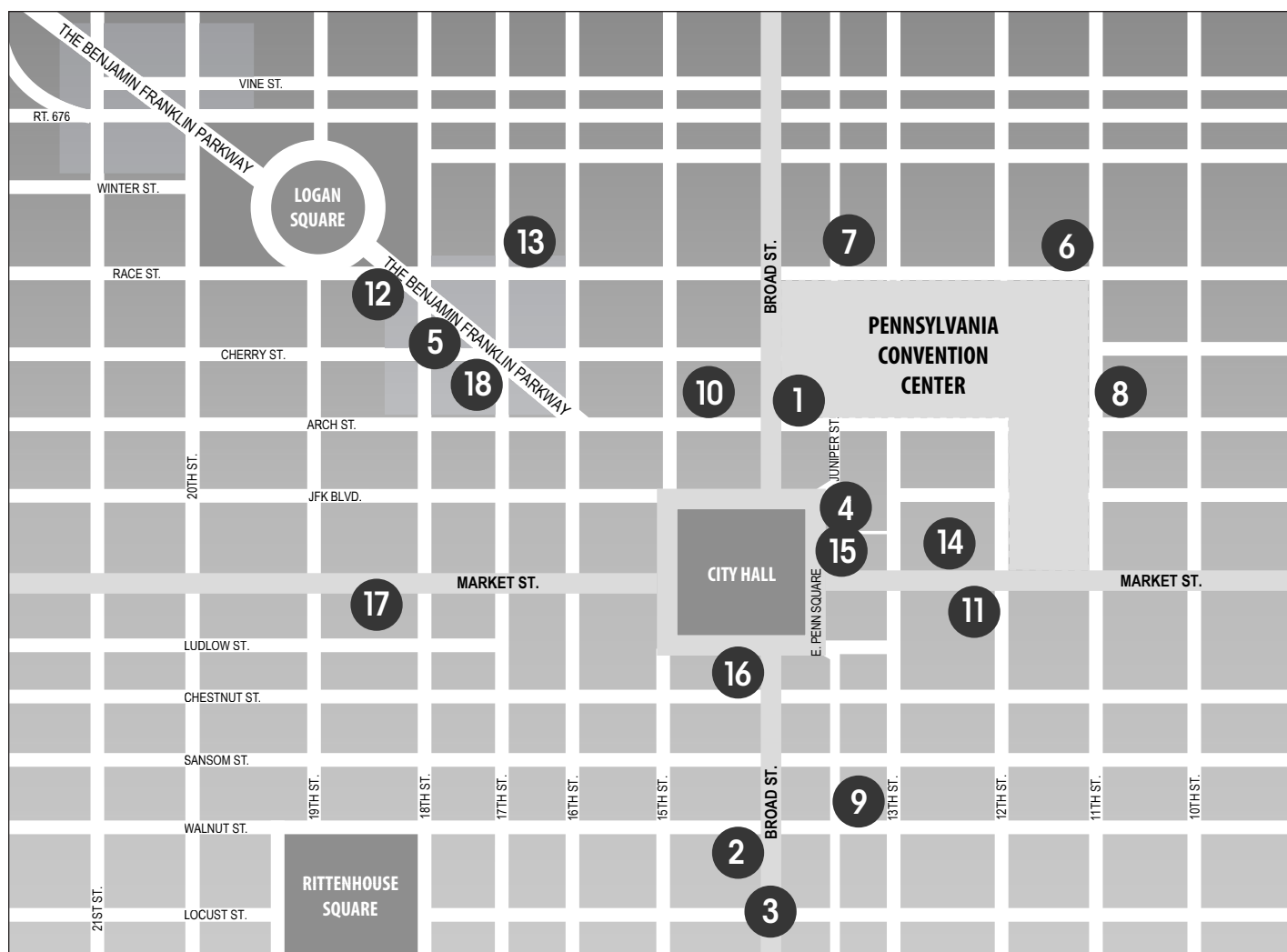
Call 911

#### Philadelphia Marriott Downtown Emergency Number

- Dial 0 from any house phone
- To contact Hotel Security from outside the Hotel, dial 215-625-2900

#### Meeting Interruption During Internal Medicine Meeting 2019

- Follow instructions provided by the Convention Center/Hotel Public Address System
- Check with your hotel for a voicemail message or other information
- Call ACP Member and Product Support for information at 800-ACP-1915
- Access the College's Web site, [acponline.org](http://acponline.org), for updated information



Hotel	Phone Number
1 Aloft Convention Center Downtown	215-607-2020
2 Bellevue Hotel, Hyatt Unbound Collection	215-893-1234
3 Cambria Hotel & Suites Philadelphia Downtown	215-732-5500
4 Courtyard by Marriott Philadelphia Downtown	215-496-3200
5 Embassy Suites Philadelphia Center City	215-561-1776
6 Four Points by Sheraton Center City	215-496-2700
7 Hampton Inn Philadelphia Convention Center	215-665-9100
8 Hilton Garden Inn Philadelphia Center City	215-923-0100
9 Holiday Inn Express Midtown	215-735-9300
10 Le Meridien Philadelphia	215-422-8200
11 Loews Philadelphia Hotel	215-627-1200
12 Logan Hotel, Hilton Curio Collection	215-963-1500
13 Philadelphia 201 Hotel (Formerly Sheraton Philadelphia)	215-448-2000
14 Philadelphia Marriott Downtown (HQ)	215-625-2900
15 Residence Inn by Marriott Center City	215-557-0005
16 Ritz-Carlton Hotel Philadelphia	215-523-8000
17 Sonesta Hotel Rittenhouse Square	215-561-7500
18 Windsor Suites Philadelphia	215-981-5678



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## ACP Wishes to Express Its Appreciation to the Following Companies for Their Educational Grants and In-Kind Support

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##### **3D Systems**

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##### **Alpinion Medical Systems**

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##### **GE Healthcare**

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##### **Humimic Medical**

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##### **SonoSim, Inc.**

Ultrasound equipment

##### **Vata, Inc.**

Ultrasound models

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##### **Centers for Disease Control**

Educational grant

### SCIENTIFIC PROGRAM SESSION

#### *Back Pain: Get Your Patient Back in the Game*

##### **Pfizer, Inc.**

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### CLINICAL SKILLS WORKSHOPS

#### *A Complete Contraceptive Toolkit: Cases and Demos*

##### **Bayer Health-Care**

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Pelvic training models

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##### **GE Healthcare**

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#### ACP Travel Grants Program

The ACP Travel Grants Program, sponsored by the ACP Council of Early Career Physicians and funded through general donations from the ACP Leaders Circle, provides travel grants to a select number of early career members, with special consideration given to first-time meeting attendees, physicians serving rural or underserved populations, or physicians of diverse backgrounds.

Please welcome to ACP's Internal Medicine Meeting 2019 this year's awardees:

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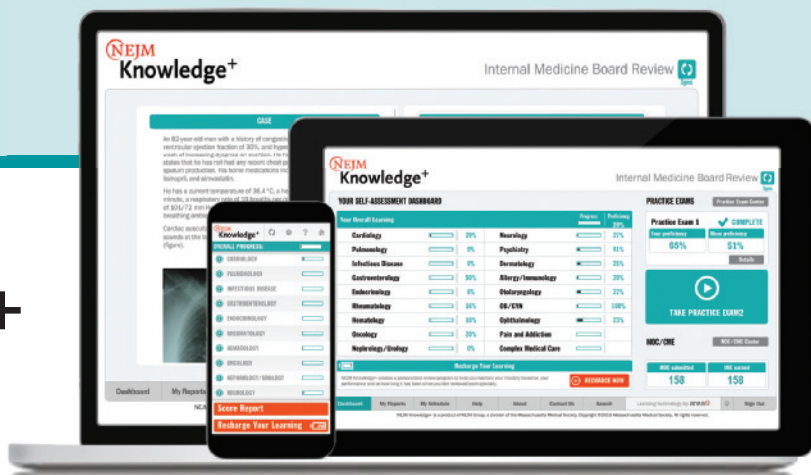
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## Thursday—7:00-8:00 a.m.

### Back Pain: Get Your Patient Back in the Game

Terrace III MTP 089



Professor: Obidiugwu Kenrik Duru, MD, MSHS

1. What elements of the history and physical exam findings are most sensitive/specific in differentiating the etiology of back pain?
2. What is the high-value care approach to imaging patients with back pain?
3. What nonpharmacologic treatment options have been shown to be effective for treatment of back pain?
4. What nonopioid pharmacologic treatment options have been shown to be effective for treatment of back pain?

### Clinical Images to Improve Your Knowledge Base and Refine Your Clinical Reasoning Skills

Independence Ballroom II-III (HQ) CSW 015

Director: Paul B. Aronowitz, MD, MACP

1. Experience some of the joys and challenges of medicine by reviewing some common and uncommon diseases seen through clinical images.
2. Learn some of the best “go-to” resources for clinical image-based education.
3. Learn how to start and store clinical image banks.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Deciphering Acid-Base Management

Terrace IV MTP 043



Professor: Robert L. Benz, MD, FACP, FASN

1. What is the structured approach to mixed acid-base disorders?
2. How should an internist actively manage complex acid-base abnormalities?
3. What are the most common pitfalls observed in management and diagnosis of acid-base disorders?

### Evaluation and Treatment of Supraventricular Arrhythmias: Feel the Beat

Room 115 MTP 002



Professor: Carlos L. Alviar, MD, FACC

1. How do you differentiate types of supraventricular tachycardia?
2. How to risk-stratify patients with supraventricular arrhythmias?
3. How do you determine risk versus benefit of systemic anticoagulation and selection of agents in atrial fibrillation and supraventricular tachycardia?
4. Treatment options: How to choose between antiarrhythmic drug therapy versus catheter-based therapies?

### Genetics: What the Internist Needs to Know

Room 103 MTP 102



Professor: Matthew R. Taylor, MD, PhD

1. What should a primary care doctor do when a patient asks to get “genetic testing” panels?
2. How does a primary care doctor interpret genetic test results brought in by a patient?
3. What role does a primary care doctor have in interpreting direct-to-consumer genetic testing results?

### Handoffs: Improving Patient Care Transitions within the Hospital

Room 120 MTP 046



Professor: Vineet Arora, MD, MA, FACP

1. What structured mechanisms should internists consider using for handoff communication strategies? Are any evidence-based?
2. Is there any benefit to using written over verbal handoffs? Are there medical-legal risks associated with handoff tools embedded in EHRs?
3. Should handoffs between EM and IM, IM to IM, or IM to ICU be structured differently?

### Inflammatory Bowel Disease

Room 118 MTP 023



Professor: CDR Manish Singla, MD, FACP, USN

1. How do the newer biologic agents fit into the treatment paradigm?
2. What are special considerations in managing the pregnant patient with inflammatory bowel disease (IBD)? In a patient contemplating pregnancy?
3. What are the health maintenance concerns in patients with IBD?
4. What are some pearls for management of the inpatient with IBD?


### Seating

Sessions are filled on a first-come, first-served basis. ACP does its best to match room size with anticipated demand; however, interest in a topic occasionally exceeds seating capacity. Seating limits are strictly enforced by the Convention Center Fire Marshal. We encourage you to arrive at meeting rooms as early as possible for best seating.



## Thursday—7:00-8:00 a.m.

### Inpatient Diabetes Management: Show Me Some Sugar!

Room 113 MTP 052   
 Professor: *Guillermo Umpierrez, MD, FACP*

1. What are optimal blood glucose management strategies for floor inpatients and intensive care unit patients?
2. What perioperative blood glucose management strategies improve outcomes while avoiding hypoglycemia?
3. When can I consider use of oral hypoglycemic agents in the inpatients setting? Which ones are safer in patients with chronic kidney disease?


### Life-Threatening ECGs Encountered in the Outpatient Setting

Liberty Ballroom C (HQ) CSW 022  
 Co-Directors: *Lisa M. Filippone, MD*  
*Thomas Rebbecchi, MD*

1. Identify life-threatening and subtle ECG findings encountered in an office practice.
2. Identify subtle ECG findings associated with common clinical conditions.
3. Review ECG findings of common clinical entities.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Obstructive Sleep Apnea: What's New for the Internist?

Room 114 MTP 088   
 Professor: *Jeanne Wallace, MD, MPH*

1. What are the types of obstructive sleep apnea and how do they affect the approach to treatment?
2. What are the data supporting the use of CPAP for improving quality of life and clinical outcomes?
3. How should the internist and sleep physician work together to provide chronic care for patients with obstructive sleep apnea?

### Practical Office Orthopedics for Primary Care Providers: The Knee

Liberty Ballroom AB (HQ) CSW 028  
 Director: *Edward (Ted) Parks, MD*

1. Learn a mechanism-based "makes-sense" understanding of knee pathophysiology.
2. Learn how to make patient history taking a quicker, more precise, and more useful diagnostic tool.
3. Learn high-yield exam techniques to improve diagnostic accuracy.
4. Work with anatomical injection models to learn proper injection techniques.
5. Learn what diagnostic tests are most useful and when to order them.

*Note: This is a 2-hour workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*


### Skin and Soft Tissue Infections

Terrace I-II MTP 070    
 Professor: *Dennis L. Stevens, MD, PhD*

1. What is the appropriate therapy for purulent skin and soft tissue infection (SSTI), non-purulent SSTI, and necrotizing SSTI?
2. How has antibiotic resistance changed the epidemiology and treatment of SSTIs?
3. What clinical clues improve the recognition of life-threatening SSTIs?


## Thursday—8:15-9:15 a.m.

### 60 Minutes: Special Report on Hot Issues in Health Policy

Room 121 PN 021   
 Moderator: *Robert B. Doherty*  
 Panelists: *Shari M. Erickson, MPH*  
*Richard L. Trachtman, Esq.*


1. Hear an extremely timely and in-depth presentation on hot public policy issues that are of most concern to internal medicine.
2. Learn what ACP is doing about these issues and how members can become involved.
3. Have an opportunity for direct questioning of public policy-makers and ACP Washington staff.

### Acute Coronary Syndrome Management: When the Clock Is Ticking on the Ticker

Room 113 MTP 037   
 Professor: *Sammy Elmariah, MD, MPH*

1. What are the recent clinical updates in management of the patient with acute coronary syndrome (ACS)?
2. What are the high-value care diagnostic evaluations, including timing, for chest pain with normal troponin and electrocardiogram (ECG)?
3. What are the optimal antiplatelet management plans following stenting or myocardial infarction (MI)?

### Annals of Internal Medicine: Recent Articles That Should Influence Practice

Room 122 PN 007   
 Moderator: *Darren Taichman, MD, PhD, FACP*  
 Panelists: *Michael A. LaCombe, MD, MACP*  
*Anita Palepu, MD, MPH, MACP*  
*Jaya K. Rao, MD, MHS, FACP*

Become aware of recent studies with implications for internal medicine practice, research, and education.

## Thursday—8:15-9:15 a.m.

### C. Wesley Eisele Lecture: Practice Transformation Using the Chronic Care Model

Room 120 MTP 111 

Professor: Edward H. Wagner, MD, MPH, MACP

1. Describe the chronic care model and its six pillars.
2. Understand the challenges and delights associated with implementation of the chronic care model in primary care.
3. Learn about the outcomes associated with implementation of the chronic care model from 20 years of care studies.

### Clinical Images to Improve Your Knowledge Base and Refine Your Clinical Reasoning Skills

Independence Ballroom II-III (HQ) CSW 016

Director: Paul B. Aronowitz, MD, MACP

1. Experience some of the joys and challenges of medicine by reviewing some common and uncommon diseases seen through clinical images.
2. Learn some of the best “go-to” resources for clinical image-based education.
3. Learn how to start and store clinical image banks.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Clinical Triad: Rheumatology: Early Diagnoses You Don't Want to Miss

Terrace III CT 003 

Moderator: Alexandra S. Villa-Forte, MD, FACP

Panelists: Atul A. Deodhar, MD, MRCP, FACP  
Daniel E. Furst, MD, FACP

Segment A: Ankylosing Spondylitis (AS)

1. What are the challenges to early diagnosis of AS?
2. How does early recognition affect management?
3. What is the role of different imaging modalities in the early diagnosis of AS?

Segment B: Elderly-Onset Rheumatoid Arthritis

1. How are clinical manifestations different and what are the challenges in establishing the diagnosis?
2. Are there safety concerns in disease-modifying antirheumatic drug use in older patients?
3. Polymyalgia rheumatica versus rheumatoid arthritis: What's the correct diagnosis?

Segment C: Cutaneous Vasculitis

1. When to suspect?
2. What is the role of skin biopsy?
3. What is the appropriate screening for systemic disease?

### Common Neurologic Conundrums for the Internist: Peripheral Neuropathy, Tremors, and Vertigo

Room 115 MTP 076 

Professor: James C. Watson, MD

1. What are the high-value care recommendations for evaluation and management of patients with new-onset vertigo or dizziness? In which cases is imaging indicated? When should the patient be referred to a neurologist?
2. What diagnostic work-up is warranted in patients with peripheral neuropathies? What are the evidence-based guidelines for selection of treatment options for peripheral neuropathy? Which patients require an expedited referral to a neurologist?
3. What are the evidence-based recommendations for the evaluation and management of patients with new-onset tremors? When should patients be referred to a neurologist?

### EHR's Bigger Picture: Population Health and Patient Management

Room 119 PN 026  

Moderator: Priya Radhakrishnan, MD, FACP

Panelists: Elmer V. Bernstam, MD, MSE, FACP  
Phillip F. Bressoud, MD, MS, FACP  
Shiva Chandrasekaran, MD

1. List the areas of expansion for information exchange in new models of patient care such, as accountable care organizations (ACOs).
2. Understand the promises and pitfalls of “dashboard” overload. Learn how to use extracted and centralized data analysis to improve patient care.
3. Identify challenges and potential solutions to intercommunication between patients and caregivers with new care team models.
4. Target areas of potential application of these concepts in their own clinical settings.

### Inpatient Sickle Cell Disease Care: Managing Our Inpatients to Keep Them Outpatients

Room 114 MTP 055 

Professor: John D. Roberts, MD

1. What is the optimal fluid management strategy for inpatients with sickle cell crisis?
2. What are the indications for blood transfusions for inpatients with sickle cell crisis?
3. When should intermittent, as-needed narcotic dosing be employed versus patient-controlled analgesia (PCA)? Which opioid? What are the optimal ways to transition IV opioids to an oral pain control regimen?
4. Why/how do I need/get my institution to commit to a program for comprehensive longitudinal outpatient care for adults living with sickle cell disease?

## Thursday–8:15-9:15 a.m.

### NAFLD/NASH: Liver Lessons We All Need to Learn

Room 118 MTP 025



Professor: LTC Dawn M. Torres, MD, MC USA

1. What is required to make the diagnosis of nonalcoholic steatohepatitis/nonalcoholic fatty liver disease (NASH/NAFLD)? When is liver biopsy or specialty referral necessary?
2. What are effective treatment strategies for patients with NASH/NAFLD?
3. What is the role of bariatric interventions for NAFLD?
4. When is screening for hepatocellular carcinoma recommended?

### Prostate Cancer: What's New in Diagnosis and Treatment?

Room 103 MTP 081



Professor: Celestia S. Higano, MD, FACP

1. To screen or not to screen in 2020?
2. What is the role of immune therapies, including sipuleucel-T?
3. What's new in the management of advanced prostate cancer?

### Top 10 Medication Errors

Terrace I-II MTP 013



Professor: Douglas S. Paauw, MD, MACP

1. What are the most common and dangerous drug interactions in clinical practice?
2. What is the latest on identifying and managing statin related muscle symptoms?
3. What are some common and important drug side effects?

### Update in Women's Health

Terrace IV UD 013



Moderator: Melissa McNeil, MD, MPH, MACP

Co-Moderator: Deborah DiNardo, MD, MS, FACP

## Thursday–9:30-10:30 a.m.

### Opening Ceremony

Hall B OC 001

Lecturer: Vivek H. Murthy, MD, MBA

## Thursday–11:15 a.m.-12:45 p.m.

### The Aging Planet: Impact Upon Health and Healthcare Delivery

Room 118 PN 024



Moderator: David A. Fleming, MD, MA, MACP

Panelists: Rosanne M. Leipzig, MD, PhD, FACP  
John E. Morley, MD, MB, BCH

1. Recognize that the world population is aging.
2. Explain the socioeconomic implications of an aging planet.

3. Recognize that an aging population will create challenges in public systems of health care.
4. Propose ways to address health care needs in an aging population.

### Cardiac Murmurs: Benign or Serious

Liberty Ballroom C (HQ) CSW 008

Co-Directors: Vivian T. Obeso, MD, FACP

Ross J. Scalese, MD, FACP

Faculty: Michael S. Wagner, MD, FACP

1. Describe cardiac auscultation findings that suggest severity of stenotic valvular lesions.
2. Explain cardiac auscultation findings that suggest severity of regurgitant valvular lesions.
3. List physical exam maneuvers that may help differentiate various systolic murmurs.
4. Correlate cardiac auscultation with point-of-care ultrasound and distinguish those bedside findings that should prompt further evaluation.

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### Care of the Pregnant Patient

Terrace III PN 002



Moderator: Lisa Bernstein, MD, FACP

Panelists: Michael P. Carson, MD, Member

Margaret A. Miller, MD, FACP

1. What are the optimal inpatient and outpatient approaches for managing venous thromboembolic disease in the pregnant patient?
2. How should hypertension and diabetes ideally be managed in the inpatient and outpatient settings in a pregnant patient?
3. What are the factors to consider when using medications or obtaining radiological studies during pregnancy?

### Clinical Pearls: Cardiology and Pulmonary Medicine

Terrace I-II CP 001



Moderator: John B. Bundrick, MD, FACP

Panelists: Megan Duloher Scrodin, MD

Paul M. McKie, MD, MPH, FACC

### A Complete Contraceptive Toolkit: Cases and Demos

Independence Ballroom II-III (HQ) CSW 003

Director: Pelin Batur, MD, NCMP, CCD, FACP

Faculty: Laura D. Lipold, MD, NCMP

Eleanor Bimla Schwarz, MD

1. Review the newest contraceptives, and how they compare to the older products.
2. Understand the rationale for choosing between agents.
3. Discuss medical scenarios that would dictate use of one contraceptive over another.
4. Increase comfort with such contraceptives as Nexplanon, IUDs, NuvaRing, Essure, diaphragms, and cervical caps.

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## Thursday–11:15 a.m.-12:45 p.m.

### The French Disease at 500: A History of Syphilis

Room 114 MTP 103 

Professors: Anthony Breu, MD  
Adam Rodman, MD, FACP

1. Discuss how the emergence of syphilis in Naples in 1495 gave doctors a new understanding of the transmission of disease.
2. Review how medical understanding and therapy for syphilis has changed over the ensuing centuries.
3. Recognize how syphilis' history continues to influence medical care in 2019, as incidence is increasing around the world.

### Health IT within MIPS: Advancing Care Information

Room 119 PN 027  

Moderator: Peter Basch, MD, MACP

Panelist: Michael Zaroukian, MD, PhD, MACP, FHIMSS

1. Understand the four components of the Merit-based Incentive Payment System (MIPS).
2. Describe the Advancing Care Information (ACI) component in detail.
3. Understand the scoring methodology for ACI.
4. Understand several strategies for leveraging office staff and technology to optimize ACI scoring.

### Navigating the Transition from Work to Retirement: Challenges and Opportunities for Late Career Internists

Room 121 PN 036 

Moderator: Jack Ende, MD, MACP

Panelists: John Hansen-Flaschen, MD, FACP

Charles J. Hatem, MD, FACP

Virginia L. Hood, MD, MBBS, MPH, MACP

1. Consider the personal and professional factors influencing your timing for transitioning out of your current medical professional career.
2. Describe alternatives for meaningful personal and professional activities through examining profiles and case studies of physicians who have taken unique pathways toward retirement.
3. List resources that would be helpful for your own career transition and how ACP may provide support.

### News You Can Use: Current Guidelines in Breast Cancer Screening, Depression, Hematuria, and Pelvic Exam

Room 103 PN 010 

Moderator: Amir Qaseem, MD, PhD, MHA, FACP

Panelists: Carolyn J. Crandall, MD, MS, FACP

Alex Krist, MD, MPH

Reem A. Mustafa, MD, MPH, PhD, FACP

Matthew E. Nielsen, MD, MS, FACS

Timothy J. Wilt, MD, MPH, MACP

1. What are the latest clinical guidelines in the areas of breast cancer screening, treatments for depression, the evaluation of hematuria, and screening pelvic exam?
2. What are the current standards of evidence-based care?
3. How can I implement these clinical guidelines and evidence-based quality standards into my practice?

### Perioperative Controversies

Room 115 MTP 118 

Professor: Steven L. Cohn, MD, MACP, SFHM

1. What high-value care concepts can be applied to the perioperative assessment? Which patients require ECGs, labs, and chest radiographs, and which do not?
2. How should antiplatelet agents be managed perioperatively in patients recently post-PCI (percutaneous coronary intervention) and in general (for patients undergoing surgery)?
3. How should anticoagulants be managed in the perioperative setting?
4. When should stress-dose steroids be prescribed, and at what dose and duration?

### Practical Office Orthopedics for the Primary Care Physician: Knee and Shoulder

Room 113 MTP 095 

Professor: Carlin H. Senter, MD, FACP

1. What are the most common knee problems in primary care, and how best to manage them as an internist (not an orthopedist)?
2. What is an evidence-based, practical approach to the patient presenting with shoulder pain to the primary care doctor?
3. What are the red flags in patients presenting to their primary care physician with shoulder or knee pain that should prompt referral to an orthopaedic surgeon?
4. High-value care for the patient with knee and shoulder complaints: When can we avoid referral and MRI?

### Update in Infectious Diseases

Terrace IV UD 007  

Moderator: George H. Karam, MD, MACP

## Thursday–2:15-3:45 p.m.

### Antibiotics Made Ridiculously Simple (...or at Least a Heck of a Lot Easier!)

Room 115 MTP 039  

Professor: James S. Kim, MD

1. What common sense approach and framework can I use in selecting an optimal antibiotic (without always using Vancomycin and Pip-Tazo)?
2. Which new or "vintage" antibiotics are available, and what are their roles in the inpatient armamentarium?
3. Could this drug cover Pseudomonas, methicillin-resistant *Staphylococcus aureus* (MRSA), vancomycin-resistant enterococci (VRE)?

## Thursday—2:15-3:45 p.m.

### Blood Disorders: A High-Value Care Approach

Room 118 MTP 034 

Professor: Ayalew Tefferi, MD

1. What is high-value care lab testing for blood disorders?
2. When should you refer for consultation?
3. When is the liver, not the blood, the cause of blood disorders (e.g., thrombocytopenia, bleeding, macrocytosis)?

### Busting Medical Myths: When Dogma Is for the Dogs

Room 103 MTP 101 

Professor: Douglas S. Paauw, MD, MACP

1. Recognize prevalent medical myths.
2. Understand why medical myths occur.

### Cardiac Murmurs: Benign or Serious

Liberty Ballroom C (HQ) CSW 007

Co-Directors: Vivian T. Obeso, MD, FACP

Ross J. Scalese, MD, FACP

Faculty: Michael S. Wagner, MD, FACP

1. Describe cardiac auscultation findings that suggest severity of stenotic valvular lesions.
2. Explain cardiac auscultation findings that suggest severity of regurgitant valvular lesions.
3. List physical exam maneuvers that may help differentiate various systolic murmurs.
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### Cervical Cancer Screening and HPV Update for the Internist

Terrace III MTP 098  

Professor: Kathleen McIntyre-Seltman, MD

1. What do current guidelines suggest for cervical cancer screening and HPV vaccination?
2. When should primary high-risk HPV screening be considered?
3. How should common abnormal results of cervical cancer screening be managed?
4. What are other manifestations of HPV-related disease, and are there screening options?

### A Complete Contraceptive Toolkit: Cases and Demos

Independence Ballroom II-III (HQ) CSW 004

Director: Pelin Batur, MD, NCMP, CCD, FACP

Faculty: Laura D. Lipold, MD, NCMP

Eleanor Bimla Schwarz, MD

1. Review the newest contraceptives, and how they compare to the older products.
2. Understand the rationale for choosing between agents.
3. Discuss medical scenarios that would dictate use of one contraceptive over another.
4. Increase comfort with such contraceptives as Nexplanon, IUDs, NuvaRing, Essure, diaphragms, and cervical caps.

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### Ethical Challenges Role Play: EHRs in the Service of the Patient

Room 122 PN 018  

Moderator: Thomas A. Bledsoe, MD, FACP

Panelists: LT COL Joshua D. Hartzell, MD USA, FACP  
Carrie A. Horwitch, MD, MPH, MACP

1. What ethical challenges and benefits do EHRs present for physicians and patients?
2. What principles can help guide design and use of EHRs?
3. How can physicians mitigate EHR challenges in practice to support the patient-physician relationship and patient-centered care?

### I Can't Get No Satisfaction: Increasing Individual Well-Being and Professional Fulfillment

Room 120 PN 031 

Moderator: Susan Thompson Hingle, MD, MACP


Panelists: Stewart F. Babbott, MD, FACP

Charlene M. Dewey, MD, MEd, MACP

1. Identify the factors contributing to individual physician well-being and professional fulfillment and the best practices that can be used for maintenance.
2. Examine the organizational and cultural factors contributing to physician burnout and lack of professional fulfillment.
3. List ways to identify core values and career fit.
4. Identify best practices and challenges associated with creating a culture of well-being and fulfillment.

## Thursday—2:15-3:45 p.m.

### Innovations in Behavioral Modification: Nudging Your Way to Better Care

Room 114 PN 014   
 Moderator: Brian Lewis Block, MD, Resident/  
 Fellow Member  
 Panelists: Scott D. Halpern, MD, PhD  
 Joanna Hart, MD

1. Discuss current research into behavioral modification that has the potential to affect patient care.
2. Learn about ways to incentivize patients to pursue positive behavior changes.
3. Gain skills to better communicate with patients in terms of setting and achieving goals.

### Inpatient Coding: Thinking Inside the Box

Room 121 MTP 112  
 Professor: Yvette M. Cua, MD, Member

1. Learn what's new in inpatient coding and how to differentiate among the inpatient codes.
2. Recognize the difference between face-to-face time versus unit/floor time.
3. Know when to use observation codes.
4. Identify and navigate nonclinical coding resources.
5. Learn how to minimize your exposure to payment delays and denials.

### Multiple Small Feedings of the Mind: Endocrinology, Infectious Diseases, and Pain Management

Terrace I-II MSFM 001   
 Moderator: Elizabeth Selden, MD, Member  
 Panelists: Stephanie B. Mayer, MD, MHSc  
 Naasha J. Talati, MD, MBBS  
 Ajay D. Wasan, MD, MSc

#### Endocrinology

1. When should we consider alternatives to bisphosphonate therapy for osteoporosis?
2. What is the best treatment approach to pre-diabetes and how does age factor in?
3. How should we be thinking differently about patient-specific measures of control and measurement approaches in diabetes?

#### Infectious Diseases

1. For which populations is the Shingrix vaccination indicated or contraindicated? When and how should an immunocompetent patient with severe shingles be further evaluated?
2. What is the most evidence-based approach to treatment of *Clostridium difficile*, and when should *C diff* prophylaxis be considered?

3. Should asymptomatic patients with a history of penicillin allergy undergo routine penicillin skin testing in primary care? Does a negative penicillin skin test translate into clinical benefit for a patient with a history of allergy to penicillin?

#### Pain Management

1. What is the evidence to support the various modalities of cannabidiol use in management of chronic pain, and what do we know about its risks?
2. For managing chronic pain in the elderly patient, which approaches have the best evidence of benefit with low harm?
3. For screening urine toxicology in the patient on chronic opiates, what tests should we order and what are common false positives and negatives that primary care practitioners need to be aware of?

### Practical Office Orthopedics for Primary Care Providers: The Shoulder

Liberty Ballroom AB (HQ) CSW 029  
 Director: Edward (Ted) Parks, MD

1. Learn a mechanism-based "makes-sense" understanding of shoulder pathophysiology.
2. Learn how to make patient history taking a quicker, more precise, and more useful diagnostic tool.
3. Learn high-yield exam techniques to improve diagnostic accuracy.
4. Work with anatomical injection models to learn proper injection techniques.
5. Learn what diagnostic tests are most useful and when to order them.

*Note: This is a 2-hour workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Your Feedback Is Important to Us!

ACP values your assessment of Internal Medicine Meeting 2019. Your evaluation and comments will help us plan future educational offerings. Please take a few moments to complete a very brief evaluation at [annualmeeting.acponline.org/evals](https://annualmeeting.acponline.org/evals) for each of the scientific sessions you attended.

You will have 2 weeks to complete your assessments. All evaluations are anonymous. Paper evaluation forms are not available.

## Thursday–2:15-3:45 p.m.

### Turning a Clinical Case into Scholarly Work

Room 119 WSO 006

Director: Christine Laine, MD, MPH, FACP

Co-Director: Alfred P. Burger, MD, FACP

1. Learn how to find, claim, and conduct background research related to interesting clinical cases.
2. Learn how clinical case reports are typically written, with an eye toward standard editorial requirements.
3. Learn how to identify relevant journals and scientific meetings most likely to accept your abstract.

### Update in Oncology

Room 113 UD 009

Moderator: Celestia S. Higano, MD, FACP

### Vascular Disease from Head to Toe

Terrace IV MTP 008

Professor: Kerry A. Esquitin, MD, FACP, FACC, RPVI

1. When should screening be performed for carotid artery disease?
2. When should revascularization be performed for carotid stenosis?
3. When should screening be performed for an aortic aneurysm?
4. When should surgery be performed for an aortic aneurysm?
5. Who should be screened for peripheral arterial disease?
6. What medical therapy and surgical options are there for peripheral arterial disease?

### Handouts

Handouts are available in PDF format online and accessible through the ACP Meetings mobile app to registered Internal Medicine Meeting 2019 attendees. The Web site and app are updated as material is received from faculty.

**Web:** [annualmeeting.acponline.org/handouts](http://annualmeeting.acponline.org/handouts)

**Mobile:** Download the ACP Meetings mobile app from your app store, select the ACP Internal Medicine Meeting 2019 event, and tap **Download Event**. Once inside the event, tap the **Handouts** icon.

## Thursday–4:30-5:30 p.m.

### Basics of Contract Negotiation: What All Internists Need to Know

(Note: This session is not designated for CME credit.)

Room 122 MTP 115

Professor: Michael S. Sinha, MD, JD, MPH

1. Know the core elements of a typical standard employment contract for physicians.
2. Identify those areas of an employment contract that are most important and need to be understood in detail.
3. Determine if there are benefits and protections not typically covered in standard contracts that should be considered.
4. Identify what is negotiable and what is not.
5. Know who should review the contract before signing.
6. Determine what to do if you want to modify or need to terminate your contract.

### Challenges in Geriatric Medication Management: An Interactive Case-Based Workshop

Liberty Ballroom C (HQ) CSW 011

Director: N. Wilson Holland, MD, AGSF, FACP

Faculty: Birju B. Patel, MD, FACP, AGSF

1. Understand factors that lead to polypharmacy and tools to reduce polypharmacy.
2. Be able to appropriately dose medications based on age-related physiologic changes.
3. Recognize potentially inappropriate medications for older adults.
4. Recognize important, lesser-known drug-drug and drug-disease interactions.

Note: This is a 90-minute workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

### Clinical Breakthroughs: Harnessing the Power of the Patient-Physician Relationship to Achieve Improved Outcomes

Independence Ballroom II-III (HQ) CSW 013


Director: Carol M. Chou, MD

1. Better understand the issues that contribute to nonadherence through both patient and physician perspectives.
2. Describe the rationale for engaging patients with multiple comorbidities in care using a variety of techniques and strategies.
3. Leverage a variety of strategies, including education, communication skills, and creative problem solving, to engage patients in care in order to achieve improved outcomes and transformational breakthroughs.
4. Address clinical challenges in patients with chronic illnesses, and choose from a variety of strategies to support improved lifestyle management and healthy behaviors.

## Thursday—4:30-5:30 p.m.

*Note: This is a 90-minute workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Clinical Triad: Hematuria, Erectile Dysfunction, and Testosterone Replacement

Terrace III CT 005   
**Moderator:** Soma Wali, MD, MACP  
**Panelists:** Joseph F. Harryhill, MD  
 Jack H. Mydlo, MD, FACS  
 Peter J. Snyder, MD

#### Segment A: Hematuria

1. What work-up should a primary care testosterone replacement provider complete before referring to the patient with hematuria to a nephrologist versus urologist?
2. Can a primary care provider diagnose and treat mild hematuria?
3. What are the latest guidelines for work up and treatment of hematuria?

#### Segment B: Erectile Dysfunction

1. What work-up should be initiated by a primary care provider?
2. When should a patient be referred to a urologist?
3. What are the latest evidence-based treatment options?

#### Segment C: Testosterone Replacement

1. When should a primary care provider prescribe testosterone replacement?
2. What are the risks and benefits associated with the use of testosterone replacement?
3. What work-up and follow-up labs should be kept in mind for patients on testosterone replacement?

### Diabetes Care with Oral and Other Noninsulin Agents: What You Need to Know

Terrace I-II MTP 018   
**Professor:** Guillermo Umpierrez, MD, FACP


1. What are the mechanisms behind the noninsulin agents?
2. How do patient comorbidities affect choice of agents?
3. How do the professional society guidelines recommend you choose, stepwise, among the agents, and how does cost figure in?
4. Which of the noninsulin agents have any evidence of cardiovascular endpoint benefits?

### Hepato-Anxiety: Treating Acute Liver Failure and Decompensated Chronic Liver Failure

Room 115 MTP 048   
**Professor:** Karen L. Krok, MD



1. Which patients with newly elevated in liver enzymes can safely be monitored in the outpatient setting?
2. What diagnostic evaluation is necessary in patients presenting with new acute liver injury or decompensated chronic liver disease?
3. Which patients with acute liver injury or decompensated chronic disease should be transferred to a liver transplant center?
4. What new developments to the literature have been published in inpatient decompensated chronic liver disease management?

### Hot Topics for Clinicians: Maximizing Value with Data-driven, Patient-centered Referrals

Room 119 PN 017   
**Moderator:** Suzanne Joy, MPP  
**Panelists:** Desiree Collins Bradley  
 M. Carol Greenlee, MD, FACP  
 Beth Neuhalfen

1. Gain insights into how subspecialists can transform their practices to thrive in the value-based payment environment created by the Quality Payment Program/MACRA.
2. Learn strategies to improve team-based care and care coordination between primary care physicians and subspecialists, including how to engage patients as part of the team.
3. Explore new and updated ACP tools and resources for subspecialists, such as the High-Value Care Toolkit and pediatric to adult care transitions tools.

### Inpatient Pain Management in the Era of the Opioid Epidemic

Room 113 MTP 054    
**Professor:** Theresa E. Vettese, MD, FACP

1. What are the current evidence-based guidelines on the treatment of pain in the inpatient setting?
2. What specific approaches should clinicians apply to long-standing narcotic users, such as patients with sickle cell disease or chronic opioid users?
3. How should clinicians manage postoperative pain in a chronic opioid user?



## Thursday—4:30-5:30 p.m.

### Management of Patients with Gout

Room 114 MTP 094 

Professor: Brian F. Mandell, MD, PhD, MACP, FACR

1. Should hyperuricemia always be treated? What are the current treatment objectives for hyperuricemia in patients with gouty arthritis?
2. What are the advances in therapies for hyperuricemia?
3. What are the challenges and goals of hyperuricemia treatment in patients with gout and chronic kidney disease? In posttransplant patients?

### A Modern Approach to Tobacco Dependence

Room 120 MTP 084  

Professor: Frank T. Leone, MD, MS

1. What is the best approach to smoking cessation?
2. How can we prevent teens from starting to smoke?
3. What is the link between smoking and behavioral illness?
4. Can e-cigarettes help people quit smoking?

### Office-Based Assessment of the Older Adult:

#### Keep Mom Moving

Room 118 MTP 032  

Professor: Audrey K. Chun, MD

1. What are key components and screening tools in assessment of frail older patients for functional status and fall risk?
2. How can the internist discriminate between gait disorders due to normal physiologic changes versus early disease presentation?
3. How can a structured exercise program decrease major mobility disorders?

### Patient Priority Care: Best Practices on How to Implement in Your Practice

Room 121 PN 009 

Moderator: Caroline S. Blaum, MD, MS

Panelists: Lilian Dindo, PhD  
Kizzy Hernandez-Bigos

1. Define patient priority-aligned care and the rationale for transitioning to this model of care.
2. Describe the population that would benefit from this model of care and how it can improve patient outcomes among this group.
3. Identify the patient, clinician, and health system requirements to achieve patient priority-aligned care.
4. List available resources to help implement this model of care.

### Rapid Fire EKGs: High-Risk Findings Not to Miss

Room 103 SS 001

Professor: Arnold J. Greenspon, MD

1. What are the most common EKG abnormalities seen in clinical practice?
2. What EKG findings suggest underlying genetic abnormalities?
3. Which EKG abnormalities require urgent referral to a cardiologist or to an emergency room?

### Update in Gastroenterology and Hepatology

Terrace IV UD 003 

Moderator: Philip O. Katz, MD

Co-Moderator: Felice H. Schnoll-Sussman, MD

## Friday—7:00-8:00 a.m.

### A Brief Military History: The Key to Good Health Care for Veterans in Your Practice

Independence Ballroom II-III (HQ) CSW 001 

Director: A. Lucile Burgo-Black, MD, FACP

Faculty: Stephen C. Hunt, MD, MPH

1. Grasp the importance of asking whether your patient or someone close to them has served in the military.
2. Be aware of military culture and the characteristics of veteran populations.
3. Understand the health risks of war and potential health outcomes of military service and combat exposure.
4. Appreciate the various resources and benefits available to veterans and their families.

Note: This is a 90-minute workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

### A Case-Based Approach to Acute Kidney Injury

Room 115 MTP 072 

Professor: Meyeon Park, MD, MAS, FASN

1. What is the definition of acute kidney injury (AKI) and in what patients does it most commonly occur?
2. What is a high-value care approach to determining the cause of AKI, and what clinical scenarios of AKI should prompt urgent/emergent nephrology evaluation?
3. What steps in the prevention and treatment of acute kidney injury have been shown to improve outcomes?

### HIV: Long-Term Complications, Preexposure Prophylaxis, and Postexposure Prophylaxis

Room 114 MTP 068  

Professor: Carrie A. Horwitch, MD, MPH, MACP

1. What monitoring, prevention, and screening is recommended for patients living with HIV?
2. What is the role of preexposure prophylaxis?
3. What are the recommendations for occupational and non-occupational postexposure prophylaxis?

**Friday—7:00-8:00 a.m.****Hypertension Management of the Inpatient:  
When High Isn't a Good Thing**Terrace IV MTP 050 

Professor: R. Neal Axon, MD, MSCR, Member

1. What are high-value, evidence-based recommendations for the management of hypertensive urgency and emergency?
2. What high-value care approaches should be employed in transitioning medications in inpatients with hypertensive emergency (e.g., IV to oral and inpatient to outpatient)?
3. What is the evidence-based best practice approach to controlling blood pressure elevations in inpatients without hypertensive urgency/emergency? How can we judiciously use and limit use of pro re nata (PRN) and IV blood pressure medications in these patients?

**Hypogonadism: Sorting through the Controversies**Terrace III MTP 019 

Professor: Adrian S. Dobs, MD, MHS

1. How do you safely use androgen replacement to manage male hypogonadism?
2. What are the pros and cons of testosterone supplementation in older men?
3. What do I say to the patient who asks about low testosterone (low-T)?

**Life-Threatening ECGs Encountered in the Outpatient Setting**

Liberty Ballroom C (HQ) CSW 023

Co-Directors: Lisa M. Filippone, MD  
Thomas Rebbecchi, MD

1. Identify life-threatening and subtle ECG findings encountered in an office practice.
2. Identify subtle ECG findings associated with common clinical conditions.
3. Review ECG findings of common clinical entities.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).***Making Sense of Chest Pain**Room 103 MTP 003 

Professor: Robert O. Roswell, MD, FACP, FACC

1. What factors go into the decision about outpatient versus observation unit versus inpatient management of chest pain?
2. What algorithm should be used for laboratory evaluation?
3. What is the appropriate first-line diagnostic testing approach?
4. What evaluation should be performed on patients with chronic coronary artery disease (CAD) and chest pain?
5. What is the role of percutaneous coronary intervention (PCI) in stable ischemic heart disease?

**Palliative Care in the Noncancer Inpatient**Room 118 MTP 058  

Professor: Rebecca N. Hutchinson, MD, FACP

1. What are some of the missed opportunities for palliative care referral for noncancer diagnoses?
2. What palliative care therapies are particularly helpful and/or effective in patients with COPD and/or heart failure? How can these approaches impact length of stay or readmission risk?
3. What communication and collaboration approaches are most effective in negotiating palliative approaches among specialists or other clinicians who may not view a disease they treat as terminal?

**Practical Office Orthopedics for Primary Care Providers:  
The Knee**

Liberty Ballroom AB (HQ) CSW 027

Director: Edward (Ted) Parks, MD

1. Learn a mechanism-based "makes-sense" understanding of knee pathophysiology.
2. Learn how to make patient history taking a quicker, more precise, and more useful diagnostic tool.
3. Learn high-yield exam techniques to improve diagnostic accuracy.
4. Work with anatomical injection models to learn proper injection techniques.
5. Learn what diagnostic tests are most useful and when to order them.

*Note: This is a 2-hour workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).***Rheumatoid Arthritis and Systemic Lupus Erythematosus:  
What the Internist Needs to Know and Do about  
Preventive Care**Room 113 MTP 096 

Professor: Joshua F. Baker, MD, MSCE

1. What are the necessary health screening measures for patients with systemic lupus erythematosus (SLE) and rheumatoid arthritis (RA)? How do they differ from the general same-age population (malignancy screening, lipid screening, and management)?
2. What are the factors associated with increased risk for osteoporosis in patients with SLE and RA? What is the recommended screening protocol for osteoporosis in these patients?
3. What are the recommendations for safe and effective vaccination in patients with SLE or RA?

## Friday—7:00-8:00 a.m.

### Top 10 Dermatology Challenges for the Internist

Terrace I-II SS 004

Professor: Rochelle R. Torgerson, MD, PhD

1. What are the common rashes that internists should not miss?
2. When is referral to a dermatologist recommended?
3. What are the high-value care recommendations for diagnostic work-up and management in patients presenting with hair loss or alopecia?
4. What diagnostic work-up is recommended for differentiating between skin cancers? When is biopsy and/or referral to a dermatologist indicated?
5. What is the recommended evidence-based management for folliculitis? Acne? Rosacea? Seborrheic dermatitis?

## Friday—8:15-9:15 a.m.

### Carpe Diem: Managing the Inpatient with Seizures

Room 120 MTP 040

Professor: Michael R. Sperling, MD

1. What is the initial work-up and treatment for the patient with a single seizure?
2. What is the proper evaluation and management for the patient admitted with recurrent seizures?
3. What is the best practice emergent management of the patient with status epilepticus?

### Clinical Images to Improve Your Knowledge Base and Refine Your Clinical Reasoning Skills

Liberty Ballroom C (HQ) CSW 017

Director: Paul B. Aronowitz, MD, MACP

1. Experience some of the joys and challenges of medicine by reviewing some common and uncommon diseases seen through clinical images.
2. Learn some of the best “go-to” resources for clinical image-based education.
3. Learn how to start and store clinical image banks.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Clinical Triad: Upper Gastrointestinal Tract

Terrace III CT 001

Moderator: Patrick E. Young, MD, FACP, FACP, FASGE

Panelists: Brooks D. Cash, MD, FACP  
Hashem B. El-Serag, MD, MPH  
Ciaran P. Kelly, MD

#### Segment A: Celiac Disease

1. When should one suspect celiac disease in a patient?
2. What is the optimal testing strategy? Is endoscopy with biopsy always necessary?
3. When should one suspect gluten sensitivity?

#### Segment B: Dyspepsia

1. What testing should be done in the dyspeptic patient without alarm symptoms?
2. Describe the best strategies in the management of functional dyspepsia?
3. Are there effective complementary and alternative therapies?

#### Segment C: Helicobacter pylori

1. Who should be tested for *Helicobacter pylori* infection?
2. What is the best primary therapy?
3. How should resistant cases be treated?
4. Is eradication testing required in all cases?

### Dr. Ananda Prasad Lecture in Physiology: The Adverse Physiologic Effects of Sleep Loss

Room 103 MTP 117

Professor: Christopher J. Lettieri, MD, FCCP, FAASM

1. Discuss the prevalence of chronic sleep loss/sleep debt across the continuum of age in modern society and understand its burden on both health and health care.
2. Explore the effect of chronic sleep debt as a causative or contributing factor to common medical disorders.
3. Appreciate the adverse impact that sleep debt has on neurocognitive function and physical performance.

*The Dr. Ananda Prasad Lecture in Physiology is an endowed lectureship focusing on the linkage between physiology and clinical medicine.*

### Drug Allergies: Predicting, Desensitizing, and Managing Them

Room 113 MTP 092

Professor: John M. Kelso, MD

1. What are clinical implications of predicting drug hypersensitivity reactions?
2. What is the appropriate use of skin testing and desensitization?
3. How do I manage drug reactions, from mild to severe cases?

## Reference Ranges Table

A convenient table referencing normal lab values in traditional units and standard international equivalents is available online at [annualmeeting.acponline.org/referenceranges](http://annualmeeting.acponline.org/referenceranges)





## Friday—8:15-9:15 a.m.

### Encephalitis and Meningitis: Identification and Management

Room 115 MTP 045



Professor: Allan R. Tunkel, MD, PhD, MACP

1. Which patients with suspected meningitis deserve empiric systemic steroids, and when should steroids be avoided?
2. What clinical situations of suspected meningoencephalitis require a shotgun approach to coverage, and when can more narrow coverage be offered?
3. How should meningitis be managed in patients who have CNS instrumentation?
4. What uncommon cerebrospinal fluid testing needs to be ordered in what clinical situations?

### Ethics and Racial and Ethnic Disparities in End-of-Life Care

Room 108 PN 019



Moderator: Ramona L. Rhodes, MD, MPH, Member, AGSF, FAAHPM

Panelists: Kimberly Angelia Curseen, MD, FAAHMP  
Gary A. Puckrein, PhD

1. What ethical issues are raised by disparities in palliative care and hospice?
2. How can physicians address end-of-life care disparities, including through best practices for engaging racial minorities or ethnically diverse or underserved populations, in end-of-life care discussions?
3. What steps can the profession take to understand and ameliorate disparities in care at the end of life?

### How to Handle an In-Flight Medical Event: Is There a Doctor on Board?

Room 118 MTP 104



Professor: Jason D. Napolitano, MD, FACP

1. What is in the airplane "code kit"? Does it vary among different airlines?
2. What medical conditions can make our patients particularly vulnerable to a medical event during flight?
3. When do I land the plane?
4. What are any medical-legal concerns?

### The Role of a Trusted Credential in an Increasingly Untrusting World

Room 119 PN 001



Moderator: Richard J. Baron, MD, MACP

Panelists: Patricia M. Conolly, MD, FACP

Yul D. Ejnes, MD, MACP

1. Become familiar with the decline in trust in science and medicine and appreciate its impact on practice.
2. Describe the value of independent assessment in identifying knowledge gaps and fostering learning.
3. Understand recent changes in ABIM's Maintenance of Certification program, with special emphasis on the Knowledge Check In (KCI).

### Stress Testing: Choosing the Right Test for the Right Patient at the Right Time

Terrace I-II MTP 006



Professor: Lawrence M. Phillips, MD, FACP

1. How can decision-support tools be used in clinical practice to help select the right test for the right patient?
2. How do you determine if a patient requires cardiac imaging in addition to standard treadmill stress testing?
3. What factors go into high-value care in cardiac imaging?
4. What newer pharmacologic agents are available for functional cardiac assessment?

### The Top 10 Practice Transformation Lessons from the Transforming Clinical Practice Initiative

Room 114 PN 035



Moderator: M. Carol Greenlee, MD, FACP

Panelists: Priya Radhakrishnan, MD, FACP

Thomas K. Spain Jr., MD, Member

1. Explain the rationale for practice change in the era of value-based payment.
2. Identify common challenges faced by practices trying to transform.
3. Match common challenges with effective solutions.
4. Identify some of the key successes of the transformation effort and why/how they occurred.
5. Identify some of the common pitfalls on the way to transformation and how they were navigated.
6. Choose one successful intervention that you will work with your practice to implement.

### Update in Critical Care Medicine

Terrace IV UD 010



Moderator: Patricia A. Kritek, MD, EdM



## Friday—8:15-9:15 a.m.

### Who Really Needs a Work-up for Hereditary Thrombophilia?

Room 121 MTP 036

Professor: Martha P. Mims, MD, PhD

1. What is a high-value approach to the work-up of thrombophilia. When to work up?
2. What are recommendations for travel, inpatient stay, and contraception in asymptomatic carriers?
3. What are the best anticoagulants to use in these patients?
4. What are the risks/benefits of direct acting oral anticoagulants (DOACs)? Who benefits most from them?

## Friday—9:30-10:30 a.m.

### Adrenal Disorders: What's New?

Terrace III MTP 017

Professor: William F. Young Jr., MD, MSc

1. What is the latest update on diagnosing adrenal insufficiency?
2. How do you manage the adrenal incidentaloma?
3. How do you answer the patient who asks about "adrenal fatigue"?
4. Is hyperaldosteronism a medical or a surgical disease?

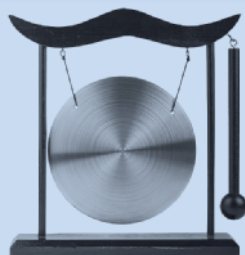
### ACP 2019 Presentation Challenge, powered by PechaKucha™

Friday, 4:30-5:30 p.m., Terrace I-II

PechaKucha™, Japanese for "chitchat," is an entertaining, fast-paced session in which five outstanding speakers are challenged to present cutting-edge medical information using the PechaKucha™ format. Each speaker will have less than 7 minutes to present and will be limited to 20 slides that will automatically advance during their allotted time. Come join the excitement as we watch these incredible speakers take on the PechaKucha™ challenge to finish their presentations before the gong signals time's up!

Topics include:

- 5 Ms for Geriatrics Care
- Top Things Every Provider Should Know about Celiac Disease
- Condom 101
- The Difficult Patient
- A Little Anxious about Anxiety



### Advanced Dementia Management: Challenges and Dilemmas

Room 115 MTP 029

Professor: Audrey K. Chun, MD

1. What are best practices to manage agitation?
2. How should we manage the patient who will not, or cannot, eat?
3. What are methods to manage insomnia?
4. When should cholinesterase inhibitors be discontinued?

### Allergic Reactions: Urgent and Emergent Hospital Management

Room 114 MTP 038

Professor: Olajumoke Fadugba, MD

1. What is the initial management of a patient with anaphylaxis, and what additional inpatient or outpatient evaluation and therapies are necessary?
2. What is the initial management of a patient with angioedema, and what additional inpatient or outpatient evaluation and therapies are necessary?
3. How should clinicians suspect, diagnose, and manage drug hypersensitivity syndrome (DHS)?

### Cardiovascular Disease in Women

Room 113 MTP 097

Professor: C. Noel Bairey Merz, MD, FACC, FAHA, FESC

1. How can better understanding of cardiovascular conditions that occur uniquely or disproportionately in women lead to better outcomes (e.g., Takotsubo's, postpartum cardiomyopathy, sudden coronary artery dissection, heart failure with preserved ejection fraction)?
2. What are the best strategies to assess (including stress testing and novel cardiovascular risk factors), modify, and prevent a woman's risk for coronary heart disease?
3. What are the best approaches to assess chest pain and other symptoms suggesting coronary heart disease in women?

### Innovations in EHR Education

Room 119 PN 029

Moderator: Ross W. Hilliard, MD, FACP

Panelist: Parag H. Mehta, MD, FACP

1. List the issues and challenges of education for working with multiple different EHR systems.
2. Learn novel methods of education for both physicians in training and medical staff.
3. Understand the important issues of retraining and support for use of EHR systems and best practices to address them.
4. List pathways to further education for those interested in pursuing working in the field of informatics.



## Friday—9:30-10:30 a.m.

### Life-Threatening ECGs Encountered in the Outpatient Setting

Liberty Ballroom C (HQ) CSW 024

Co-Directors: Lisa M. Filippone, MD  
Thomas Rebbecchi, MD

1. Identify life-threatening and subtle ECG findings encountered in an office practice.
2. Identify subtle ECG findings associated with common clinical conditions.
3. Review ECG findings of common clinical entities.

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### Pancreas Problems: Unraveling the Mysteries

Room 120 MTP 028

Professor: Michelle A. Anderson, MD, MSc, FASGE

1. How should the incidentally discovered pancreatic cyst be managed? When should you refer to a gastroenterologist?
2. In what patients should screening for pancreatic cancer be considered? What are the best methods for screening?
3. When should chronic pancreatitis be suspected? What is the best way(s) to diagnose and manage chronic pancreatitis?

### Pulmonary Physical Diagnosis: Legend and Lore

Room 121 MTP 087

Professor: Salvatore Mangione, MD

1. What pulmonary findings are diagnostic for interstitial lung disease?
2. Is the stethoscope dead?
3. What nonpulmonary exam findings are most pathognomonic of lung disease?

### Review of Community-Acquired Pneumonia 2019

Room 118 MTP 069

Professor: Nathan C. Dean, MD

1. What are appropriate antimicrobial agents to treat community-acquired pneumonia in the setting of antimicrobial stewardship?
2. What is the role of molecular diagnostics in treatment of community-acquired pneumonia, and what is the role of diagnostic testing in guiding therapy?
3. How long do patients with bacterial community-acquired pneumonia require antimicrobials, and what is the role of intravenous to oral switch?
4. What are the roles of nonantibacterial treatments?

### Syncope Management: The Three “Es” of Care (Effective, Efficient, and Economical)

Room 103 MTP 066

Professor: Daniel D. Dressler, MD, MSc, FACP, SFHM

1. How should clinicians use history and physical findings and clinical decision rules to risk stratify and triage patients with syncope?
2. How should clinicians make high-value care, evidence-based test-ordering decisions for syncope, and what “red flags” should be considered?
3. How should clinicians accurately estimate pulmonary embolism (PE) risk in patients admitted with syncope, and what structured PE evaluation is indicated?

### Thieves’ Market

Terrace I-II MTP 108

Professor: David R. Scrase, MD, FACP

1. How does my clinical decision making compare with that of other internists?
2. Can internal medicine really be this much fun, and am I allowed to laugh out loud through a whole presentation?
3. Will I achieve instant fame and fortune by correctly diagnosing a case before it is presented on screen?

*David R. Scrase, MD, FACP is the Massachusetts Chapter lecturer for Internal Medicine Meeting 2019. This lecture is endowed by the Massachusetts Chapter to honor an outstanding member of ACP’s annual meeting faculty.*

### Update in Ambulatory General Internal Medicine

Terrace IV UD 014

Moderator: Joel C. Diamant, MD, FACP

## Friday—11:15 a.m.-12:45 p.m.

### A Brief Military History: The Key to Good Health Care for Veterans in Your Practice

Independence Ballroom II-III (HQ) CSW 002

Director: A. Lucile Burgo-Black, MD, FACP

Faculty: Stephen C. Hunt, MD, MPH

1. Grasp the importance of asking whether your patient or someone close to them has served in the military.
2. Be aware of military culture and the characteristics of veteran populations.
3. Understand the health risks of war and potential health outcomes of military service and combat exposure.
4. Appreciate the various resources and benefits available to veterans and their families.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

## Friday—11:15 a.m.-12:45 p.m.

### Cardiac Murmurs: Benign or Serious

Liberty Ballroom C (HQ) CSW 009

Co-Directors: Vivian T. Obeso, MD, FACP  
Ross J. Scalese, MD, FACP

Faculty: Michael S. Wagner, MD, FACP

1. Describe cardiac auscultation findings that suggest severity of stenotic valvular lesions.
2. Explain cardiac auscultation findings that suggest severity of regurgitant valvular lesions.
3. List physical exam maneuvers that may help differentiate various systolic murmurs.
4. Correlate cardiac auscultation with point-of-care ultrasound and distinguish those bedside findings that should prompt further evaluation.

Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

### Clinical Pearls: Infectious Diseases and Oncology

Terrace I-II CP 002

Moderator: John B. Bundrick, MD, FACP

Panelists: Randall S. Edson, MD, MACP, FIDSA  
Andrea E. Wahner-Hendrickson, MD

### COPD: What's New for Inpatient and Outpatient Care?

Room 118 MTP 085

Professor: Meredith C. McCormack, MD, MHS

1. Who should be screened for COPD?
2. What are the standards for high-value care and COPD?
3. How can we prevent COPD readmissions?
4. What outcome should the internist look for in COPD?

### Ethics, Deprofessionalization, and Physician Well-Being: "Re-Enchanting" Medicine

Room 120 PN 020

Moderator: Susan Thompson Hingle, MD, MACP

Panelists: Lydia S. Dugdale, MD, Member  
Joseph J. Fins, MD, MACP, FRCP

1. Back to basics: What is a profession, and why did I enter medicine in the first place?
2. What challenges does contemporary medical practice raise for ethics, professionalism, and meaning in medicine?
3. How can physicians address these challenges, including through partnerships with patients?

### From Myelodysplastic Syndrome to Myeloproliferation: The Mystery of the Marrow

Room 114 MTP 035

Professor: Ayalew Tefferi, MD

1. When to treat and when not to treat myelodysplastic syndrome (MDS)?
2. What are new therapies for treating MDS?
3. Myeloproliferation: When to refer polycythemia, leukocytosis, and thrombocytosis to a hematologist?

### How to Talk to Your Patients about the Cost of Their Care

Liberty Ballroom AB (HQ) CSW 021

Director: C. Jessica Dine, MD, MSHP, FACP

Faculty: Desiree Collins Bradley

1. Explain the rationale for engaging patients in discussions about the cost of their care.
2. List key elements of effective cost conversations that have been identified by patients and clinicians.
3. Identify several tools to inform cost conversations.
4. Practice having cost conversations with patients using patient scenarios.

Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

### Learn about the Latest ACP Clinical Practice Guidelines

- **News You Can Use: Breast Cancer Screening, Depression, Hematuria, and Pelvic Exam**  
Thursday, 11:15 a.m.-12:45 p.m., Room 103
- Stop by the ACP Guidelines Booth in the ACP Resource Center to suggest ideas for new guideline topics, learn about ACP's guideline development process, and find assistance in accessing the guidelines through our Web site or app.
- Download the free "ACP Clinical Guidelines" app at iTunes.com or android.com.

You can also access all of ACP's Guidelines for free at [acponline.org/clinical\\_information/guidelines/](http://acponline.org/clinical_information/guidelines/).

## Friday—11:15 a.m.-12:45 p.m.

### Improving Care for High Healthcare Utilizers: Tailoring Care to the Complex Patient

Room 126 PN 013 

**Moderator:** Rita K. Kuwahara, MD, MIH, Resident/  
Fellow Member

**Panelists:** Melinda K. Abrams  
Dave A. Chokshi, MD, FACP

1. Discuss current programs underway to improve the health outcomes of patients with complex care needs.
2. Learn how to target high-need/high-cost patients through interventions addressing patients' health and social needs.
3. Learn how to build an effective interprofessional team in an outpatient setting.

### The Opioid Epidemic and the Role of the Internist

Terrace IV MTP 012  

**Professor:** Daniel P. Alford, MD, MPH, FACP

1. Should internists ever prescribe chronic opioids without an obvious end point?
2. How should the internist approach a patient who is already on high doses of chronic opioids?
3. When should the internist refer to specialists in pain and addiction medicine?
4. How does buprenorphine fit in the treatment of opioid use disorder, and what are some key points in starting a program in the internist's office?

### Quality Payment Program 101: Making the Most Out of MACRA

Room 108 PN 033 

**Moderator:** Brian E. Outland, PhD

**Panelists:** Barbara Connors, DO, MPH  
Ryan D. Mire, MD, FACP

1. Learn the background and basics of Medicare's Quality Payment Program, including the difference between alternative payment models (APMs) and merit-based incentive payment system (MIPS) and how to know which is best for your practice.
2. Understand what your practice needs to do now, versus in future years, to avoid a payment cut or even earn a positive adjustment.
3. Learn what resources ACP and others have to help your practice succeed in the value-based payment program.

### Stroke and TIA: Inpatient Evaluation and Management

Room 115 MTP 065 

**Professor:** Randolph S. Marshall, MD, MS, FAHA, FAAN

1. Which patients presenting with ischemic stroke deserve thrombolytic consideration? Which are at high risk for complications from thrombolysis? When should catheter-directed thrombolysis be considered?
2. What optimal antiplatelet strategy should be considered for patients with acute stroke?
3. What is best practice for blood pressure management in the setting of recent stroke?
4. What are high-value diagnostic assessment and management in patients with cryptogenic stroke?
5. How can high-value care concepts be applied to stroke and TIA diagnostic work-up? Does every patient need telemetry, MRI, MRA, speech therapy, neurology consultation, and an echo? Does every TIA need to get admitted?

### Telling the Patient's Story in the EHR World

Room 121 PN 030  

**Moderator:** Ross W. Hilliard, MD, FACP

**Panelists:** Lisa Danielpour  
Priya Radhakrishnan, MD, FACP  
Elizabeth Toll, MD, FACP, FAAP

1. List the critical elements of documentation for optimized patient care.
2. Describe challenges in shared documentation across team members, including integration of the patient perspective.
3. Identify areas of focus for applying this information to your own EHR systems.
4. Identify effective strategies to improve your current practice of clinical documentation from best practices presented in this discussion.
5. Understand how patient access to EHRs can improve communication and enhance patient safety.

### Top 5 High-Value Care Topics in Inpatient Medicine: Things We Do for No Reason

Terrace III MTP 067 

**Professor:** Leonard S. Feldman, MD, FACP

1. What are the most common labs or radiology studies internists order that have little to no evidence base?
2. What clinical conditions are high risk for study overuse, and how can we avoid this?
3. What savings can hospitals, clinicians, payers, and patients glean from more appropriate test ordering?
4. How can physicians move beyond the constant shadow of legal risk and fear of uncertainty?



## Friday—2:15-3:45 p.m.

### Understanding Basics of Personal Financial Management

(Note: This session is not designated for CME credit.)

Room 122 MTP 116 

Professor: Michael Weis

1. Assess your baseline understanding of, and interest in, managing your personal finances.
2. Determine your personal financial goals and objectives.
3. Identify your time horizons for achieving your financial goals.
4. Assess your own individual tolerance for, or aversion to, risk.
5. Determine how to match investments to your needs.
6. Identify how to diversify your investments.

### Update in Endocrinology

Room 113 UD 002 

Moderator: Mary T. Korytkowski, MD

## Friday—2:15-3:45 p.m.

### Challenges in the Medical Care of Immigrants

Room 120 PN 038  

Moderator: Joslyn W. Fisher, MD, MPH, FACP

Panelists: Mahri Haider, MD  
Umar Malik, MD, Resident/Fellow Member

1. What specific medical concerns should physicians consider when caring for immigrant patients?
2. How do challenges differ when caring for undocumented versus documented immigrants? How does the threat of deportation affect care?
3. What are practical tips for improving the care of immigrant patients, such as determining risk for infectious diseases, accessing social services, acquiring medical care, risk for post-traumatic stress disorder, etc.?

### A Complete Contraceptive Toolkit: Cases and Demos

Independence Ballroom II-III (HQ) CSW 005

Director: Pelin Batur, MD, NCMP, CCD, FACP

Faculty: Laura D. Lipold, MD, NCMP  
Eleanor Bimla Schwarz, MD

1. Review the newest contraceptives, and how they compare to the older products.
2. Understand the rationale for choosing between agents.
3. Discuss medical scenarios that would dictate use of one contraceptive over another.
4. Increase comfort with such contraceptives as Nexplanon, IUDs, NuvaRing, Essure, diaphragms, and cervical caps.

Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

### COPD and Asthma Exacerbations: Best Evidence and Best Practice

Room 118 MTP 041 

Professor: Patricia A. Kritek, MD, EdM

1. What evidence-based therapies and interventions reduce mortality or improve other outcomes in the setting of asthma and COPD exacerbation?
2. What evidence-based approaches are available for reducing readmissions for asthma and COPD patients?
3. At hospital discharge, after asthma or COPD exacerbation, what escalation therapies are available that can improve a patient's quality of life and other outcomes?

### Curbside Consultations in Infectious Diseases

Room 113 MTP 042  

Professor: Stephen J. Gluckman, MD, FACP, FIDSA

1. What are the indications for a curbside consultation versus an official consultation in infectious disease?
2. What are five to eight common curbside consultations in infectious diseases that you wish you could educate every hospitalist on?
3. What is the role of e-consults?

### Current Controversies in Breast Cancer:

#### Risk Assessment, Screening and Survivorship

Room 103 MTP 079 

Professor: N. Lynn Henry, MD, PhD, FACP

1. How should internists estimate breast cancer risk?
2. How should we screen the average-risk and high-risk patients for breast cancer (frequency, type of screening)?
3. When to consider genetic testing?
4. How can the primary care physician safely and effectively manage the sexual health of young breast cancer survivors?

### Effective Negotiation Skills of Leaders

Room 122 WSO 003

Director: Tiffany I. Leung, MD, MPH, FACP, FAMIA

Panelists: Allen R. Friedland, MD, FAAP, FACP  
Tammy Lin, MD, MPH, FACP

1. Identify areas of your practice that may require negotiation.
2. Learn effective negotiation techniques and skills.
3. Identify personal strengths and opportunities for improving negotiation.

### Leonardo at 500: A Lesson in Creativity

Room 121 MTP 106

Professor: Salvatore Mangione, MD

1. Revisit the unique traits that made Leonardo da Vinci so creative.
2. Review how those traits are fostered or hindered by current medical education.
3. Revisit the importance of creativity in medicine.
4. Revisit the importance of the humanities in medicine.



## Friday—2:15-3:45 p.m.

### Management of Depression and Anxiety for the Internist: How Not to Have a Panic Attack

Room 115 MTP 083 

Professor: Heidi Combs, MD, MS

1. What are the evidence-based effective evaluation tools and algorithms for diagnosis of depression and anxiety in the primary care setting?
2. What are the evidence-based guideline recommendations for initial treatment options of patients with depression? With anxiety?
3. What is the role of pharmacogenetics in selecting medications for depression and anxiety?
4. How do you manage patients who are not improving on initial treatments for depression?

### Motivational Interviewing for the Busy Clinician

Liberty Ballroom C (HQ) CSW 025

Director: Damara N. Gutnick, MD, FACP

Faculty: Brian Hurley, MD, MBA, DFASAM  
Kathleen G. Reims, MD

1. Explain how the spirit of motivational interviewing (MI) provides the foundation for a Brief Action Plan.
2. Describe how ASK-TELL-ASK can be used to effectively offer information and advice and save time.
3. Explain the MI concepts of "change talk" and "the righting reflex."
4. Practice applying the core skills (OARS) of motivational interviewing.

*Note: This is a 2-hour workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Multiple Small Feedings of the Mind: Neurology, General Internal Medicine, and Nutrition & Exercise

Terrace I-II MSFM 002 

Moderator: Alan W. Dow, MD, MSHA, FACP

Panelists: Andrew D. Coyle, MD  
Raymond Price, MD, FAAN  
Fatima Cody Stanford, MD, MPH, MPA, FACP, FAAP, FTOS

#### Neurology

1. How has the approach to management of migraine changed recently? How should patients be counselled about contraceptive options?
2. What treatment for neuropathic pain has the best evidence? How should primary care practitioners monitor patients undergoing a trial of a medicine?
3. When should patients with stroke and transient ischemic attacks (TIAs) be evaluated for a patent foramen ovale (PFO)? When is closure indicated?

#### General Internal Medicine

1. How should we counsel patients on use of direct-to-consumer genetic testing, and how should we follow up on abnormal results? How should we involve insurance for further care and reimbursement?
2. What is the future of colon cancer screening, and how do these approaches compare to traditional methods in terms of cost and acceptability to patients?
3. What is the role of point of care ultrasound in the outpatient setting?

#### Nutrition & Exercise

1. What is the strength of the evidence linking exercise and cancer? What is the evidence-based dose and frequency of exercise?
2. What role does diet and exercise play in modifying one's risk for dementia?
3. What are the risks and benefits of intermittent fasting?

### New FDA-Approved Medications That You Need to Know About

Terrace III MTP 011  

Professor: Gerald W. Smetana, MD, MACP

1. Learn which recently approved drugs will have a prominent place in primary care practice.
2. Understand the safety profile and efficacy of new drugs.
3. Compare the efficacy of novel drugs with existing pharmacotherapy options.

### Practical Office Orthopedics for Primary Care Providers: The Shoulder

Liberty Ballroom AB (HQ) CSW 030


Director: Edward (Ted) Parks, MD

1. Learn a mechanism-based "makes-sense" understanding of shoulder pathophysiology.
2. Learn how to make patient history taking a quicker, more precise, and more useful diagnostic tool.
3. Learn high-yield exam techniques to improve diagnostic accuracy.
4. Work with anatomical injection models to learn proper injection techniques.
5. Learn what diagnostic tests are most useful and when to order them.

*Note: This is a 2-hour workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

## Friday—2:15-3:45 p.m.

### Quality Payment Program Advanced: Understanding and Improving Performance

Room 108 PN 034   
 Moderator: Shari M. Erickson, MPH  
 Panelists: Peter Basch, MD, MACP  
 Kate Goodrich, MD, MHS

1. Learn what's new in the program, including new performance measures and activities, and how the cost category will come into play.
2. Learn what variables to consider when selecting performance measures for reporting and which measures are recommended by ACP.
3. Understand the role of registries and the Qualified Clinical Data Registry (QCDR) in meeting Quality Payment Program reimbursement requirements, including quality, improvement activities, and advancing care information.
4. Probe how clinical registries can be worked into practice workflow to improve care and generate data for performance reporting requirements beyond Medicare.


### Stump the Professor

Room 119 WSO 005  
 Director: Paul B. Aronowitz, MD, MACP  
 Understand the thought processes of an experienced internist while solving medical problems.

### Update in Cardiology

Terrace IV UD 001   
 Moderator: Raymond J. Gibbons, MD  
 Co-Moderator: Douglas L. Packer, MD

### Well-Being for the Physician-in-Training: Addressing Burnout and Resiliency

Room 126 PN 016   
 Moderator: John Hunninghake, MD, Resident/  
 Fellow Member  
 Panelists: Connie B. Newman, MD, FACP  
 Richard M. Wardrop III, MD, PhD, FACP, FAAP

1. Establish frequency and signs of burnout and resiliency amongst training physicians.
2. Explore successful ways of dealing with burnout and increasing resiliency among trainees.
3. Describe benefits and harms of physician unions and training physician unions in the United States and abroad.

## Friday—4:30-5:30 p.m.

### ACP 2019 Presentation Challenge, powered by PechaKucha™

Terrace I-II PN 006  
 Moderator: Patrick E. Young, MD, FACP, FACG, FASGE  
 Panelists: Audrey K. Chun, MD  
 Stephen J. Gluckman, MD, FACP, FIDSA  
 Ellie Grossman, MD, MPH  
 Amy S. Oxentenko, MD, FACP, FACG, AGAF  
 CDR Manish Singla, MD, FACP, USN

Five outstanding speakers will be challenged to present the newest "hot-off-the-press" cutting-edge medical information using the PechaKucha™ format. Topics include:

- 5 Ms for Geriatrics Care
- Top Things Every Provider Should Know about Celiac Disease
- Condom 101
- The Difficult Patient
- A Little Anxious about Anxiety


### Cardiac Murmurs: Benign or Serious

Liberty Ballroom C (HQ) CSW 010  
 Co-Directors: Vivian T. Obeso, MD, FACP  
 Ross J. Scalese, MD, FACP  
 Faculty: Michael S. Wagner, MD, FACP

1. Describe cardiac auscultation findings that suggest severity of stenotic valvular lesions.
2. Explain cardiac auscultation findings that suggest severity of regurgitant valvular lesions.
3. List physical exam maneuvers that may help differentiate various systolic murmurs.
4. Correlate cardiac auscultation with point-of-care ultrasound and distinguish those bedside findings that should prompt further evaluation.

Note: This is a 90-minute workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

### Clinical Triad: Lung Cancer Screening: Is It Ready for Prime Time?

Terrace III CT 002   
 Moderator: Gregory C. Kane, MD, MACP  
 Panelists: Julie A. Barta, MD  
 Boyd T. Hehn, MD  
 Lawrence Ward, MD, MPH, FACP

Segment A: Who should be screened?

1. What are the current standards for lung cancer screening?
2. Who benefits most from screening?
3. Does screening continue if the initial study is negative or normal?
4. At what age should screening stop?



## Friday—4:30-5:30 p.m.

*Segment B: How can you set up a screening program?*

1. What standards should be considered for your program?
2. How do you approach shared decision making?
3. How can you avoid losing patients to follow-up?
4. What metrics should be monitored in your program?

*Segment C: How should suspicious findings be evaluated?*

1. Which nodules are at high risk?
2. What diagnostic tools can be used for biopsy?
3. What incidental findings are important?

### Combating Cognitive Bias: Improving Clinical Decision Making in Everyday Practice

Independence Ballroom II-III (HQ) CSW 018

Director: Deborah DiNardo, MD, MS, FACP

Faculty: Melissa McNeil, MD, MPH, MACP  
Gary H. Tabas, MD, MACP  
Sarah A. Tilstra, MD, MS, FACP

1. Define type I and type II reasoning, and identify the pros and cons of each type of reasoning.
2. List 5 common cognitive biases, and describe how they can contribute to diagnostic error.
3. Demonstrate how the standardized approach to the diagnostic process presented in the session can be used in everyday clinical practice to reduce cognitive bias.

*Note: This is a 90-minute workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Commonly Missed Diagnoses in Allergy and Immunology

Room 103 MTP 091 

Professor: John M. Kelso, MD

1. What are the common primary immunodeficiency diseases (PIDs) seen in the primary care physician's office? What are the frequent clinical manifestations and clues to the diagnosis?
2. What are the different manifestations of chronic urticaria, and what is practical management?
3. What are the steps in establishing the correct diagnosis in food allergy and accuracy of food allergy tests?

### Dementia, Incontinence, and Falls: High-Value Care in the Older Adult

Room 115 MTP 030  

Professor: Catherine E. DuBeau, MD

1. What are evidence-based, cost-conscious treatments for dementia?
2. What are evidence-based, cost-conscious treatments for incontinence?
3. What are evidence-based methods to decrease falls?
4. How can we help older adults avoid hospitalization and institutionalization?

### Hematologic Emergencies

Room 118 MTP 047 

Professor: Christine L. Kempton, MD, MSc

1. Anticoagulation reversal: Which patients deserve anticoagulation reversed and which reversal agents—including new ones—should I consider and why?
2. How should I handle early management of thrombotic thrombocytopenic purpura (TTP)?
3. Too Low (platelets): In what conditions and clinical situations should I consider platelet transfusion for severe thrombocytopenia, and when is a hematology consult appropriate?
4. Too High (platelets): What are the indications for urgent platelet pheresis for thrombocytosis?

### Improving Individual and Community Health by Addressing Social Determinants of Health

Room 120 PN 022  

Moderator: Hilary Daniel

Panelists: Horace M. DeLisser, MD, Member  
Sanne Magnan, MD, PhD  
Elaine Waxman, PhD

1. What are the primary challenges to incorporating social determinants of health (SDH) into medical care? What and where are the greatest opportunities?
2. What policy changes at the local, state, and federal level are most important to making headway in addressing the root causes behind health inequity?
3. What steps can physicians or other medical professionals take to begin to address SDH with their patients and in their communities today?

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- Order online at [PlaybackACP.com](http://PlaybackACP.com)
- Order by phone at 800-241-7785.

## Friday—4:30-5:30 p.m.

### Irritable Bowel Syndrome: New Hope for an Old Problem

Room 114 MTP 024 

Professor: Brooks D. Cash, MD, FACP

1. What is a high-value care approach to the diagnosis of irritable bowel syndrome (IBS)? When should I worry that I am missing something?
2. What is the evidence to support current treatments, and where do newer agents fit into the treatment algorithm?
3. What is the role of diet in managing IBS?
4. When should you refer to a specialist?

### Perioperative Cardiac Evaluation

Room 113 MTP 060 

Professor: Efren C. Manjarrez, MD, Member, SFHM

1. What is the guideline-recommended approach to preoperative cardiac risk stratification?
2. When should troponin levels be ordered or utilized in the perioperative setting?
3. What medications are indicated or contraindicated in the perioperative setting of noncardiac surgery for patients with coronary disease or at risk for coronary disease (e.g., aspirin, statins, beta-blockers)?
4. How can one ensure that a high-value perioperative assessment is thorough while preventing overtesting and wasting resources?

### Understanding Clinical Research: How to Be a Better-Informed Consumer of the Medical Literature

Room 126 PN 008 

Moderator: Catharine Stack, PhD

Panelists: A. Russell Localio, PhD  
John B. Wong, MD, FACP

1. Gain an understanding of basic concepts essential to the interpretation of medical research reports.
2. Learn why being unfamiliar with these concepts can lead to a serious misinterpretation of clinical studies.

### Update in Nephrology and Hypertension

Terrace IV UD 008 

Moderator: Joanne M. Bargman, MD

## Saturday—7:00-8:00 a.m.

### Best Foot Forward: Common Foot and Ankle Complaints That Stumble into the Office

Room 115 MTP 090 

Professor: Joan B. Ritter, MD, FACP

1. What is the approach to management of plantar fasciitis in the internist office?
2. What are the management goals of fifth metatarsal fractures, and when is referral necessary?
3. What are other common foot complaints in the primary care office, and how to diagnose and manage them?

### Beyond A1c: Using Professional Continuous Glucose Monitoring to Improve Type 2 Diabetes Management in Primary Care

Liberty Ballroom C (HQ) CSW 006

Co-Directors: Thomas Martens, MD, FACP  
Gregg Simonson, PhD

1. Describe the currently available professional continuous glucose monitoring (CGM) systems and associated glycemic data reports, and discuss benefits of using professional CGM for management of type 2 diabetes.
2. Explain how to interpret professional CGM reports and accompanying ambulatory glucose profiles.
3. Using representative case studies, apply concepts of professional CGM reports and ambulatory glucose profile interpretation along with shared decision making to type 2 diabetes patients.
4. Identify good candidates for professional CGM and how this technology can be integrated into existing clinical workflow and billing processes.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Colon Cancer Screening: What's New?

Room 113 MTP 022 

Professor: Aasma Shaukat, MD, MPH

1. What are optimal screening strategies for colorectal cancer?
2. What are the best ways to improve adherence to screening?
3. What should be done regarding increased risk of colorectal cancer in patients younger than 50?



## Saturday—7:00-8:00 a.m.

### Contraception

Room 114 MTP 099

Professor: Eve Espey, MD, MPH

1. What are the risks, benefits, efficacy rates, and relative costs of various contraceptive options for men and women?
2. What is long-acting reversible contraception (LARC), and which women are candidates for these contraceptive methods?
3. When should emergency contraception be considered, and what are available options?
4. How can the CDC Medical Eligibility Criteria for Contraceptive Use inform decision making regarding contraceptive choice for women with medical conditions?
5. When can contraception be safely discontinued?

### Diagnosis and Management of Kidney Stones

Terrace III MTP 074

Professor: Gary Curhan, MD, ScD

1. What is the current standard in the diagnosis of kidney stone type and risk for an individual patient?
2. What management steps have been shown to decrease risk for recurrent calcium oxalate stones?
3. When is it important to consider referral to a urologist for management of kidney stones?
4. What is the management of an acute episode of nephrolithiasis?

### Eye Conditions That Require Immediate Referral: What the Internist Needs to Know

Room 121 SS 002

Professor: Stephanie Jones Marioneaux, MD

1. What are some examples of eye conditions that require immediate referral or consultation?
2. What are the signs of eye emergencies?
3. What should and should not be done while waiting for the ophthalmology evaluation?

### Hospital and Critical Care Radiology That You Should Not Miss When the Radiologist Isn't Available

Room 103 MTP 049

Professor: Brian Kaufman, MD

1. What structured approach should I take to chest and abdominal imaging?
2. What features of chest imaging are easily missed that may place my patients at risk?
3. What features of chest imaging are easily misinterpreted that may place my patients at risk?
4. What emergent imaging findings need to be acted upon immediately?
5. What complications of ICU management can I detect with radiologic studies?

### Initial Ventilator Management and Troubleshooting Ventilator Challenges

Room 118 MTP 051

Professor: Paul A. Kinniry, MD, Member

1. What criteria should I use, and what is the evidence behind selecting initial ventilator modes?
2. What common challenges occur during the initiation and maintenance of invasive ventilation, and how can hospitalists troubleshoot and correct common problems?
3. What initial approaches should be taken for the difficult-to-wean patient?

### Medical Marijuana: Use and Management Update

Terrace IV MTP 010

Professor: Ellie Grossman, MD, MPH

1. What is the latest evidence for which medical conditions legal cannabis is indicated?
2. Is there any evidence for modality preference or dosing of medicinal marijuana?
3. How should internists monitor patients using medicinal marijuana or cannabis oil?
4. What specific risks and side effects should primary care doctors be aware of? What prescription drugs and marijuana interactions do we need to know about?

### Minimizing Medical-Legal Risk and Maintaining Inpatient Care Quality: Cases from the Trenches

Room 120 MTP 056

Professor: Allen B. Kachalia, MD, JD

1. What legal risks should hospitalists be most attuned to?
2. What risk reduction strategies can hospitalists apply during their routine practice?
3. What case-specific diagnostic risk reduction strategies should hospitalists employ?

### Motivational Interviewing for the Busy Clinician

Independence Ballroom II-III (HQ) CSW 026

Director: Damara N. Gutnick, MD, FACP

Faculty: Brian Hurley, MD, MBA, DFASAM

Kathleen G. Reims, MD


1. Explain how the spirit of motivational interviewing (MI) provides the foundation for a Brief Action Plan.
2. Describe how ASK-TELL-ASK can be used to effectively offer information and advice and save time.
3. Explain the MI concepts of "change talk" and "the righting reflex."
4. Practice applying the core skills (OARS) of motivational interviewing.

Note: This is a 2-hour workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).



## Saturday—7:00-8:00 a.m.

### Valvular Heart Disease

Terrace I-II MTP 007   
 Professor: Robert O. Bonow, MD, MACP

1. What is the role of echocardiography in the diagnosis and treatment of valvular heart disease, and when (and how often) should echocardiography be performed? When is CT or MRI helpful?
2. What are the indications for valve surgery based on current AHA/ACC guidelines?
3. What are the current indications for transcatheter valve therapies?

## Saturday—8:15-9:15 a.m.

### Annals of Internal Medicine Beyond the Guidelines: To what target A1c would you treat this patient with diabetes?

Room 122 PN 041  
 Moderator: Gerald W. Smetana, MD, MACP  
 Panelists: Deborah J. Cotton, MD, MPH, FACP  
 David C. Dugdale, MD, FACP  
 David M. Nathan, MD


1. What are the risks and benefits of aiming for tight glucose control in patients with type 2 diabetes?
2. To what target A1c should we treat patients with type 2 diabetes, and how should we achieve this goal?
3. When is it appropriate to deintensify A1c goals and allow higher blood sugars in patients with type 2 diabetes?

### Approach to Wound Care for the Internist

Room 118 MTP 014   
 Professor: Michael S. Weingarten, MD, MBA, FACS


1. What is a basic approach to wound care?
2. What topical therapies should the internist prescribe for venous stasis ulcers and other wounds?
3. How should a diabetic foot ulcer be approached in the internist office?
4. What new technologies are on the horizon for wound care?

### Challenges in Heart Failure: Diagnosis and Management

Room 113 MTP 001   
 Professor: Clyde W. Yancy, MD, MSc, MACP

1. How to diagnose heart failure with a preserved ejection fraction (HFpEF)?
2. What treatments are evidence-based for heart failure with a HFpEF?
3. What diagnostic evaluation is appropriate for patients with heart failure with reduced ejection fraction (HFrEF)?
4. What treatments are evidence-based for heart failure with HFrEF?

### Clinical Triad: Sexual, Genital, and Urinary Health in Women

Room 114 CT 004   
 Moderator: Iris Tong, MD, FACP  
 Panelists: Sheryl A. Kingsberg, PhD  
 Lisa Larkin, MD, NCMP IF, FACP  
 Candace Parker-Autry, MD, FACOG, FPMRS



#### Segment A: Urinary Incontinence and Voiding Dysfunction in Women

1. What is the initial evaluation for incontinence or voiding dysfunction in women?
2. What are the evidence-based treatments?
3. When should a patient be referred to a specialist?

#### Segment B: Genitourinary Syndrome of Menopause

1. What are signs and symptoms of genitourinary syndrome of menopause (GSM)?
  2. What are pharmacologic and nonpharmacologic treatment options for GSM?
  3. When should a woman be referred to a specialist?
- #### Segment C: Low Sexual Desire in Women
1. What are factors impacting low sexual desire in women?
  2. What are treatment options for low sexual desire in women?
  3. When should a woman be referred to a specialist?

### Osteoporosis High-Value Care

Room 115 MTP 020    
 Professor: Kristine E. Ensrud, MD, MPH, MACP

1. What's new in the USPTF 2018 recommendations on osteoporosis screening?
2. What are best therapies for drug treatment of osteoporosis, and how do you select candidates for treatment?
3. Monitoring patients on drug treatment with bone mineral density testing: low or high value care?
4. Can we improve rates of treatment initiation among patients with recent hip fracture?

### Pancreatitis: Acute and Chronic Management

Room 120 MTP 059   
 Professor: Neilanjan Nandi, MD, FACP

1. What is the most appropriate fluid management strategy in patients with mild and severe acute pancreatitis?
2. What criteria should be used in triage of patients to a medical floor versus an ICU setting?
3. What work-up should be initiated when patients with acute pancreatitis do not have an alcohol history or evidence of gallstones?
4. What are the indications for imaging, and what are the indications for surgical consultation in the setting of acute pancreatitis?





## Saturday—8:15-9:15 a.m.

### Presentation Skills for Physicians: Making Your Next Teaching Presentation Go Better than Your Last

Room 119 MTP 009

Professor: Scott C. Litin, MD, MACP

1. Organize a teaching presentation with special emphasis on an effective opening and a strong closing.
2. Demonstrate helpful skills for presentation techniques.
3. Create and deliver your a more effective presentation.
4. Provide constructive criticism to others regarding their presentations.

### Pulmonary Hypertension: The Needle or the Haystack in Dyspnea Admissions

Room 103 MTP 062

Professor: Darren Taichman, MD, PhD, FACP

1. What is the importance of pulmonary hypertension in a patient presenting with dyspnea?
2. What is a high-value care approach to work-up of incidentally diagnosed elevated pulmonary pressures noted on echocardiography?
3. Which patients require specific treatment for pulmonary hypertension?
4. Which patients with pulmonary hypertension require a heart catheterization?

### Quality Improvement for the Practicing Hospitalist

Room 121 MTP 063

Professor: Jennifer S. Myers, MD, FACP

1. How can a busy hospitalist find the time to focus on meaningful quality improvement projects?
2. What resources are available to help hospitalists develop quality improvement projects and assess their value?
3. What quality improvement skills and resources does a hospitalist need to practice successfully in 2019 and beyond?
4. What first steps can practicing hospitalists introduce to initiate and sustain successful projects?

### Transgender Health and LGBT 101 for the Internist

Terrace III MTP 109

Professor: Rachel L. Levine, MD

1. What are the current recommendations of screening guidelines for malignancy, STD risk, and other preventive health measures for LGBT and transgender patients?
2. What should an internist know about hormone therapy for transgender patients?
3. What resources and guidelines regarding transgender and LGBT health are available for internists?

### Update in Hematology

Terrace IV UD 005

Moderator: Ara D. Metjian, MD

### What Internists Need to Know about Diagnosing and Managing Headaches: Taking the "Ache" Out of Headache

Terrace I-II MTP 077

Professor: Michael Cutrer, MD

1. What diagnostic work-up and physical exam findings are most helpful for determining the etiology of headache? When is imaging indicated? How do you select type of imaging study?
2. What are the latest treatment options for patients with migraines?
3. What patient characteristics and evidence-based recommendations do you take into consideration when selecting pharmacologic treatment options for patients with migraines?
4. What are the evidence-based, nonpharmacologic treatment options for patients with headaches?

## Saturday—9:30-10:30 a.m.

### Case-Based Outpatient Management of the Hypertensive Patient

Terrace I-II MTP 073

Professor: Raymond R. Townsend, MD

1. Which patients should have a work-up for secondary hypertension?
2. How should a physician determine the goal/optimal blood pressure for an individual patient?
3. What is the most appropriate way to monitor outpatient blood pressures?
4. What is an evidence-based approach to treating hypertension in outpatients?

### Common ENT Conditions for the Internist

Room 118 MTP 082

Professor: Melissa Ann Pynnonen, MD, MSc

1. When is a nosebleed an emergency? When does the patient need to go to the Emergency Department? When is referral to otolaryngology indicated?
2. What are the evidenced-based recommendations for evaluation and management of hoarseness? When are steroids indicated? When is referral to otolaryngology indicated?
3. What are the evidenced-based recommendations for evaluation and management of neck mass? When are antibiotics indicated? When is referral to otolaryngology indicated?

## Saturday—9:30-10:30 a.m.

### Communicating Effectively When You Don't Want To: Practical Strategies for Difficult Conversations with Patients, Staff, Administrators, and Other Clinicians

Liberty Ballroom C (HQ)

CSW 035

**Co-Directors:** Rebecca A. Andrews, MS, MD, FACP  
Auguste H. Fortin VI, MD, MPH, MACP  
**Faculty:** Kevin W. Chamberlin, PharmD, FASCP  
Francesca Colecraft Dwamena, MD, MS, FACP, FAACH  
Robert C. Smith, MD, MACP  
Yihan Yang, MD, Resident/Fellow Member

1. How can you effectively anticipate and prepare for a difficult conversation in the clinical setting?
2. What is a systematic approach to effectively handle conflict or mismatched expectations in a clinical setting?
3. What are some tips for getting an emotionally charged or difficult conversation back on track so that those involved can find common ground?
4. How do you build on the common ground and keep the lines of communication open after your initial discussion?

*Note: This is a 90-minute workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Consult Talk

Room 113

PN 005



**Co-Moderators:** Geno J. Merli, MD, MACP, FHM, FSV  
Howard H. Weitz, MD, FACC, MACP

Join the Annals Consult Guys as they address a variety of clinical issues while using humor to deliver educational pearls related to the practice of internal medicine.

### Hand Pain: A Common Problem with Many Causes

Terrace III

MTP 093



**Professor:** Thomas R. Hunt III, MD, DSc

1. How to identify the various common disorders that cause hand and wrist pain (e.g., de Quervain tendonitis, thumb CMC osteoarthritis, carpal tunnel syndrome, thumb ulnar collateral ligament injury, and scaphoid fractures).
2. When and how to use imaging modalities to diagnose these disorders.
3. What are nonsurgical initial treatment options for these common hand and wrist disorders? When is surgical referral needed?

### Improving Physician Well-Being and Reducing Burnout in Practice and in Our Community

Liberty Ballroom AB (HQ)

CSW 032

**Director:** Eileen D. Barrett, MD, MPH, FACP, FHM

**Faculty:** Catherine C. Cheng, MD, FACP

Suja M. Mathew, MD, FACP

Michelle L. Rossi, MD, FACP

1. Increase knowledge of the prevalence of burnout among American physicians.
2. Practice strategies for promoting physician wellness.
3. Learn tools for reducing physician burnout through practice redesign.

*Note: This is a 90-minute workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Individualized Menopause Management in 2019

Room 114

MTP 100



**Professor:** JoAnn V. Pinkerton, MD

1. What are the risks and benefits of menopausal hormone therapy?
2. Which women are the best candidates for the use of menopausal hormone therapy?
3. When and how should menopausal hormone therapy be stopped?
4. Under what circumstances might extended use of menopausal hormone therapy be considered?
5. How is genitourinary syndrome of menopause treated?

### Inpatient Heart Failure Management: Beyond the Basics

Room 103

MTP 053



**Professor:** Christopher J. Droogan, DO, FACC

1. What are the critical updates in inpatient management of the patient with heart failure in 2019?
2. What are the best evidence-based interventions for reducing readmissions while limiting length of stay? How does one find that balance?
3. What is the role of palliative care in managing the patient with advanced heart failure? What about ventricular assist devices?

### Nicholas E. Davies Memorial Award Lecture: Covert Consciousness and Civil Rights: The Neuroethics of Severe Brain Injury

Room 108

AL 001



**Lecturer:** Joseph J. Fins, MD, MACP, FRCP

1. Identify the emerging neuroscience, classification, diagnosis, and treatment of disorders of consciousness.
2. Address the ethical implications of covert consciousness in clinical practice.
3. Consider the civil and disability rights of patients with disorders of consciousness.

**Saturday—9:30-10:30 a.m.****Noninvasive Ventilation and High-Flow Nasal Oxygen Therapy: Practical Evidence-Based Strategies**Room 121 MTP 057 

Professor: Gregory C. Kane, MD, MACP

1. What are the acute indications, criteria, and contraindications for use of noninvasive ventilation (NIV)?
2. How should I manage patients who do not seem to tolerate the NIV mask?
3. Once I start using BPAP or CPAP in the inpatient setting, how do I wean it?
4. If a patient has been started on BIPAP (or CPAP), what criteria determine whether to continue this therapy at home?
5. What is the role of high-flow nasal cannula oxygen in the management of acute hypoxic respiratory distress or failure?

**Palliative Care: Optimal Use in the Current World of Oncology**Room 120 MTP 080  

Professor: Pallavi Kumar, MD, MPH

1. When should palliative care be introduced into cancer therapy?
2. Does early palliative care improve cancer care outcomes?
3. How should difficult conversations about goals, values, and transitions in care of patients with advanced cancer be approached?

**Public Policy and the Opioid Epidemic**Room 115 PN 023  

Moderator: Ryan A. Crowley

Panelists: Rebecca L. Haffajee, JD, PhD, MPH

Regina LaBelle, JD

Charles P. Reznikoff, MD, FACP

1. What state and federal policies have been effective in addressing the opioid epidemic?
2. Are there policy barriers that impede progress on the epidemic?
3. How can health care reform efforts address the opioid epidemic?

**Update in Geriatric Medicine**Terrace IV UD 004  

Moderator: Catherine E. DuBeau, MD

**Utilizing Health Literacy Communication Techniques to Improve the Patient and Clinician Experience**

Independence Ballroom II-III (HQ) CSW 034

Director: Carla L. Spagnoletti, MD, MS, FACP

Faculty: Jill M. Allenbaugh, MD, MS, Member

Jennifer A. Corbelli, MD, FACP

1. Identify low health literacy as a major limitation in patients' understanding of their health care.
2. Implement clear communication techniques to combat low health literacy and improve satisfaction.

Note: This is a 90-minute workshop. Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

**Saturday—11:15 a.m.-12:45 p.m.****Beyond Surviving in Medicine: Strategies to Thrive, Be Well, and Find Joy in Practice**Room 114 MTP 114 

Professor: Richard M. Wardrop III, MD, PhD, FACP, FAAP

1. Understand the current scope, causes, and burden of burnout within the health care system.
2. Relate evidence-based measures and expert recommendations shown to reduce the burden of burnout at the institutional and individual level.
3. Explore strategies that can increase engagement of providers to achieve better work-life integration.
4. Define a personal approach to building resiliency and bringing joy back into practice.

**Challenges in Geriatric Medication Management: An Interactive Case-Based Workshop**Liberty Ballroom C (HQ) CSW 012 

Director: N. Wilson Holland, MD, AGSF, FACP

Faculty: Birju B. Patel, MD, FACP, AGSF

1. Understand factors that lead to polypharmacy and tools to reduce polypharmacy.
2. Be able to appropriately dose medications based on age-related physiologic changes.
3. Recognize potentially inappropriate medications for older adults.
4. Recognize important, lesser-known drug-drug and drug-disease interactions.

Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

## Saturday—11:15 a.m.-12:45 p.m.

### Clinical Breakthroughs: Harnessing the Power of the Patient-Physician Relationship to Achieve Improved Outcomes

Liberty Ballroom AB (HQ) CSW 014

Director: Carol M. Chou, MD

1. Better understand the issues that contribute to nonadherence through both patient and physician perspectives.
2. Describe the rationale for engaging patients with multiple comorbidities in care using a variety of techniques and strategies.
3. Leverage a variety of strategies, including education, communication skills, and creative problem solving, to engage patients to achieve improved outcomes and transformational breakthroughs.
4. Address clinical challenges in patients with chronic illnesses, and choose from a variety of strategies to support improved lifestyle management and healthy behaviors.

Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).

### Clinical Pearls: Neurology and Gastroenterology

Terrace I-II CP 003

Moderator: John B. Bundrick, MD, FACP

Panelists: Jeremy K. Cutsforth-Gregory, MD  
Amy S. Oxentenko, MD, FACP, FACP, AGAF

### High-Value Risk Stratification in the Noncardiac Patient: Preventive Cardiology

Room 113 MTP 004

Professor: Howard S. Weintraub, MD, FACC

1. Who should be screened for coronary heart disease?
2. When is lab evaluation needed? What thresholds should be used?
3. When is cardiac imaging (e.g., coronary artery calcium score, intima medial thickness, coronary CT angiography) appropriate for risk assessment?
4. What is the next step in patients who are incidentally found to have coronary artery calcium?

### Hot Topics in Medical Informatics: Technology Trends That Are Reshaping Medicine

Room 119 PN 028

Moderator: Patricia L. Hale, MD, PhD, FACP

Panelists: Elmer V. Bernstam, MD, MSE, FACP  
Deepti Pandita, MD, FACP

1. Interact with expert faculty to learn how new technologies and concepts will affect your practice in the near future.
2. Learn what ACP is doing in the world of electronic interoperability, within the framework of e-prescribing.
3. Update in artificial intelligence (AI)—Where is it now? What is real? What is not?
4. “Virtualists”—The new era of asynchronous care delivery using phone, video, e-health portals, and other digital means.

### Medical Errors and How to Grow from Them

Room 120 PN 015

Moderator: Tracey L. Henry, MD, MPH, MS, FACP

Panelists: Hyung (Harry) Cho, MD, FACP, FHM  
Thomas H. Gallagher, MD, FACP

1. Learn and apply best practices in communication regarding medical errors with patients, peers, and organizational leadership.
2. Define the incidence, causes, and consequences of emotional distress experienced by physicians after medical errors.
3. Identify opportunities for personal and professional development for physicians who experience emotional distress after medical errors in order to minimize potential negative consequences.
4. Describe peer support programs and other institutional strategies for supporting physicians who experience emotional distress due to medical errors.

### Medication Management in the Older Adult: To Escalate or Deescalate?

Room 103 MTP 031


Professor: Rosanne M. Leipzig, MD, PhD, FACP

1. What is polypharmacy, and what are its health consequences for older adults?
2. What “prescribing reflexes” can internists incorporate into their practice when prescribing medications to older adults to minimize adverse events, increase adherence, and increase therapeutic effectiveness?
3. When and how should medications be deprescribed in older adults?




## Saturday—11:15 a.m.-12:45 p.m.

### The “Not Lost” Art of the Physical Diagnosis: An Evidence-Based Approach

Terrace III MTP 107   
 Professor: Paul B. Aronowitz, MD, MACP

1. Demonstrate the value of the physical examination on both diagnosis and management. What role does it play in establishing patient-physician trust and relationships? In expediting appropriate patient care?
2. Discuss the evidence for common physical examination maneuvers including sensitivity/specificity, likelihood ratios, etc. to help interpret exam findings and guide diagnostic workup.
3. Can physical diagnosis play a role in reducing the cost of health care?
4. How can bedside ultrasound be used to augment the physical exam in facilitating patient diagnoses?

### Outpatient Coding: Do It Right and Get Paid for What You Do

Room 126 MTP 113   
 Professor: Jeannine Z. Engel, MD, FACP

1. How can I optimize reimbursement, reduce hassles and risk, and code accurately and efficiently?
2. What are the basics of coding and documenting office visit and preventive services?
3. How do I best select the level of office visit service so that I maximize revenue and minimize audit risk?
4. What Medicare coding, billing, and payment policies, both old and new, most affect my bottom line?
5. What resources are available to help me navigate this non-clinical, yet essential, part of medical practice?

### Pictures Worth a Thousand Words: Annals Graphic Medicine

Room 123 WSO 001  
 Director: Michael J. Green, MD, MS, FACP  
 Co-Directors: Grace Farris, MD  
 Michael Natter, MD

1. Learn how art can enrich your medical practice.
2. Learn about the various uses of the graphic novel format in medicine.
3. Work with colleagues to develop a sketch for your own graphic medicine “article”.


### Reclaiming Meaning and Reducing Burnout by Making Empathic Connections

Independence Ballroom II-III (HQ) CSW 031  
 Director: Auguste H. Fortin VI, MD, MPH, MACP  
 Faculty: Francesca Colecraft Dwamena, MD, MS, FACP, FAACH  
 Robert C. Smith, MD, MACP  
 Yihan Yang, MD, Resident/Fellow Member

1. Learn patient-centered interviewing techniques to efficiently uncover and empathically respond to patients’ emotions.
2. Observe the techniques demonstrated in an interview.
3. Practice the techniques with colleagues in facilitated small groups using scripted role play.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Thyroid Emergencies: What to Do on the Front Lines


Room 118 MTP 021   
 Professor: Anne R. Cappola, MD, ScM

1. How do you make the diagnosis of thyroid storm?
2. What is the best initial management for severe hyperthyroidism or thyroid storm?
3. What is the latest update in managing severe hypothyroidism or myxedema coma?
4. How do you manage thyroid disease in pregnancy, including in the pre-, peri-, and postpartum periods?

### Update in Hospital Medicine

Terrace IV UD 006   
 Moderator: Efren C. Manjarrez, MD, Member, SFHM

### Vector-Borne Diseases at Home and Abroad

Room 115 MTP 071    
 Professor: Stephen J. Gluckman, MD, FACP, FIDSA

1. What are the preferred diagnostics for Lyme disease? What is the role of antibiotics for Lyme disease and post-treatment Lyme disease syndrome? How can primary care providers address post-treatment Lyme disease syndrome?
2. What are common vector-borne reasons for febrile illness in the returning traveler?
3. What are risk factors for acquisition and common complications of Chikungunya, Zika, and dengue?



## Saturday—2:15-3:45 p.m.

### Combating Cognitive Bias: Improving Clinical Decision Making in Everyday Practice

Independence Ballroom II-III (HQ) CSW 019

Director: Deborah DiNardo, MD, MS, FACP

Faculty: Melissa McNeil, MD, MPH, MACP

Gary H. Tabas, MD, MACP

Sarah A. Tilstra, MD, MS, FACP

1. Define type I and type II reasoning, and identify the pros and cons of both types.
2. List 5 common cognitive biases, and describe how they can contribute to diagnostic error.
3. Demonstrate how the standardized approach to the diagnostic process presented in the session can be used in everyday clinical practice to reduce cognitive bias.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Communicating Effectively When You Don't Want To: Practical Strategies for Difficult Conversations with Patients, Staff, Administrators, and Other Clinicians

Liberty Ballroom C (HQ) CSW 020

Co-Directors: Rebecca A. Andrews, MS, MD, FACP

Auguste H. Fortin VI, MD, MPH, MACP

Faculty: Kevin W. Chamberlin, Pharm.D, FASCP

Francesca Colecraft Dwamena, MD, MS, FACP, FAACH

Robert C. Smith, MD, MACP

Yihan Yang, MD, Resident/Fellow Member

1. How can you effectively anticipate and prepare for a difficult conversation in the clinical setting?
2. What is a systematic approach to effectively handle conflict or mismatched expectations in a clinical setting?
3. What are some tips for getting an emotionally charged or difficult conversation back on track so that those involved can find common ground?
4. How do you build on the common ground and keep the lines of communication open after your initial discussion?

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### Improving Physician Well-Being and Reducing Burnout in Practice and in Our Community

Liberty Ballroom AB (HQ)

CSW 033

Director: Eileen D. Barrett, MD, MPH, FACP, FHM

Faculty: Catherine C. Cheng, MD, FACP

Suja M. Mathew, MD, FACP

Michelle L. Rossi, MD, FACP

1. Increase knowledge of the prevalence of burnout among American physicians.
2. Practice strategies for promoting physician wellness.
3. Learn tools for reducing physician burnout through practice redesign.

*Clinical Skills Workshops take place at the Philadelphia Marriott Downtown Hotel (HQ).*

### Leadership Styles

Room 119 PN 043



Moderator: Lacy C. Hobgood, MD, FACP, FAAP

Panelists: Andrea S. Cedfeldt, MD, FACP

Joshua D. Lenchus, DO, FACP, SFHM

1. Recognize personal leadership style tendencies.
2. Identify a variety of leadership styles.
3. Determine the pros and cons of different leadership styles.
4. Develop a personal leadership brand.
5. Demonstrate ability to utilize leadership styles in a case study.

### Mastering the Match

Room 126 PN 040



Moderator: Robert Dobbin Chow, MD, MBA, MACP

Panelists: Randall S. Edson, MD, MACP, FIDSA

Sara L. Wallach, MD, MACP

1. What are some tips for completing the medical student CV in ERAS (Electronic Residency Application Service)?
2. What are some of the most common interview techniques and questions, and what are some good practice responses?
3. How can medical students evaluate and rank residency programs in the context of the National Resident Matching Program® (NRMP®) algorithm?
4. What is the role of postinterview communication with residency programs?



## Saturday—2:15-3:45 p.m.

### Media in Healthcare: Podcasts, Social Media, and Beyond

Room 122 PN 012 

Moderator: *Matthew F. Watto, MD, FACP*

Panelists: *Esther Choo, MD, MPH*  
*Fatima Zahara Syed, MD, MSc, FACP*

1. Define best practices for optimal use of various forms of media to enhance patient care, physician satisfaction, and physician engagement in civic discourse.
2. Empower physicians with tools to share information between medical providers.
3. Explore individual and population-based ethical considerations that must be considered with the growth of social media in health care.
4. Explore examples of physicians working together on medical issues (e.g., Doctors Without Borders/Médecins Sans Frontières, physician advocacy groups, etc.).

### Multiple Small Feedings of the Mind: Cardiology, Women's Health, and Hematology & Oncology

Terrace I-II MSFM 003 

Moderator: *Rachel P. Brook, MD, Member*

Panelists: *Marc J. Kahn, MD, MBA, MACP*  
*Janet P. Pregler, MD, FACP*  
*Eric H. Yang, MD, FACC, FASE*

#### Cardiology

1. What is the role of ambulatory blood pressure monitoring in managing hypertension? How is it most effectively used?
2. After confirmation of persistent sinus tachycardia what, if any, further evaluation or treatment is indicated (treatment more important than evaluation)?
3. What are the most evidence-based treatments for HFpEF?

#### Women's Health

1. What is the latest evidence regarding risks, benefits, and duration of post-menopausal hormone replacement therapy?
2. How do we counsel patients about the risk of breast cancer with topical estrogens and oral contraceptive pills?
3. How should breast density shape our approach to breast cancer screening?

#### Hematology & Oncology

1. When is chemotherapy for early stage breast cancer indicated, and what tests/risk stratification methods help guide this decision?
2. What are the current evidence-based recommendations for management of isolated calf deep vein thromboses? What role does repeat ultrasound play in guiding therapy?
3. What are the latest recommendations with regard to the use of novel oral anticoagulants in patients with malignancy? In patients with end stage renal disease/chronic kidney disease?

### Nutrition and Diet for the Internist: 10 Things You Need to Know So You Can Teach Your Patients

Terrace IV MTP 026 

Professor: *Marijane Hynes, MD, Member*

1. What is the evidence behind different dietary approaches to weight loss, such as low-carb versus low-fat versus calorie counting?
2. What programs have been shown to work over the long term?
3. What is the role of new technology, such as online apps, in helping patients lose weight?
4. What does the literature tell us about the "diabetic diet"?
5. What does the evidence say about how much protein is needed in the diet?
6. What is the role of protein in chronic renal failure? What does the evidence say?

### Physician Competency and Aging

Room 121 PN 037  

Moderator: *Thomas H. Gallagher, MD, FACP*

Panelists: *Sean V. Burke Esq.*  
*Daniel M. Feinberg, MD, FAAN*  
*Murray Grossman, MD, EDD*  
*Gerald B. Hickson, MD*

1. Know the demographics of the physician workforce as related to age.
2. Understand findings from research examining aging, physician skill, and competency to practice.
3. Understand current organizational, institutional, and regulatory trends related to physician aging and competency.
4. Consider the evidence base related to skills and aging and the applicability of these data to physician competency assessment.
5. Identify appropriate strategies for ensuring maintenance of competency with aging and transitioning roles to ensure safety and personal satisfaction.

### Practical Electrolyte Management: Sodium, Potassium, Phosphorus, and More



Room 103 MTP 061 

Professor: *Steven M. Gorbalkin, MD, PhD, Member*

1. What are the best practices in the management of moderate and severe hyponatremia and hypernatremia, and how are patient complications of therapy best averted?
2. What are the safe and effective management strategies of hypokalemia and hyperkalemia?
3. How are low and high phosphorus and calcium levels most appropriately managed?



## Saturday—2:15-3:45 p.m.

### Practical Strategies for Increasing Adult Immunization While Improving Equity, Efficiency and Reimbursement

Room 118 PN 032    
 Moderator: John H. O'Neill Jr., DO, MACP  
 Panelists: Frances E. Ferguson, MD, MPH, FACP  
 Jason M. Goldman, MD, FACP



1. Review most recent Advisory Committee on Immunization Practices recommendations and insurance coverage of vaccines for adults.
2. Discuss strategies for purchasing and billing for vaccines and efficient workflows for implementing vaccinations protocols in the ambulatory practice setting.
3. Understand effective strategies for promoting health equity for diverse patient populations and reducing racial disparities in adult immunization rates.
4. Examine real-world examples of practices implementing adult immunizations.

### Practical Tips to Help You Care for Refugees

Room 114 PN 039    
 Moderator: Romela Petrosyan, MD, Resident/Fellow Member  
 Panelists: Leigh A. Box, MD, FACP  
 Elisa I. Choi, MD, FACP

1. Where do refugees in the United States come from, and how do they get here?
2. What specific resources and strategies are available to help overcome barriers to care for refugees, including services through refugee resettlement programs, accessing medications, and improving communication?
3. How do we better understand key cultural elements affecting refugees—namely, language, family, and religion? How can we view cultural humility and trauma-informed care as a critical and necessary component of effective medical care for refugees?

### Transitions of Care: A Joint Session of the ACP and the European Federation of Internal Medicine


Terrace III PN 025    
 Moderator: Nestor R. Sosa, MD, FACP  
 Panelists: Xavier Corbella, MD, PhD, MBA  
 Christine D. Jones, MD, MS

1. Understand the patient safety, quality of care, health outcomes, and economic impact of issues associated with transitions of care.
2. Identify the most vulnerable points in the care transition process where failures are likely to occur.
3. Identify the most common root causes of failures in transitions of care.
4. Develop both individual and system-based strategies to help address failures in transitions of care.

### Update in Pulmonary Medicine

Room 113 UD 011   
 Moderator: Jess Mandel, MD, FACP

### VTE Challenges: A Case-Based Panel Discussion

Room 115 PN 004   
 Moderator: David A. Cohen, MD, FACP  
 Panelists: Gregory Piazza, MD, MS  
 Rachel Rosovsky, MD, MPH

1. In what clinical situations are IVC filters indicated? When should they be removed?
2. Which patients with submassive PE deserve consideration for thrombolysis?
3. When should thrombolysis versus systemic thrombolysis be used to optimize efficacy and safety?
4. What anticoagulation regimens can be used in patients with active cancer?
5. What should I do for my patient with upper-extremity DVT?

## Saturday—4:00-5:00 p.m.

### Anticoagulation

Room 118 MTP 033   
 Professor: Christian Ruff, MD, MPH

1. What is the latest update in anticoagulation?
2. When should novel oral anticoagulants (NOACs) be stopped?
3. When should aspirin be continued in addition to anticoagulation?

### Cancer Survivorship Care in the Era of Team-Based Medicine

Room 121 MTP 078   
 Professor: Kevin Oeffinger, MD

1. What is a high-value approach to screening for treatment complications (e.g., coronary artery disease, stroke, congestive heart failure, neuropathy, loss of teeth)?
2. What second malignancies should be screened for following breast, colorectal, and prostate cancer?
3. What is the long-term physical and emotional fitness and employability of cancer survivors?
4. How is care from oncologist to primary care provider smoothly transferred?



## Saturday—4:00-5:00 p.m.

### Delirium Evaluation and Management in the Hospital

Room 108 MTP 044



Professor: *Eduard E. Vasilevskis, MD, MPH, Member*

1. What are the underlying causes and practical approaches to the management and prevention of inpatient delirium?
2. What is the best high-value care approach to pharmacologic treatment/control of delirium, and what is their impact upon patient safety?
3. What are subtle indications of sub-acute delirium that every clinician should be aware of? Can early recognition and treatment impact length of stay?

### Dermatologic Emergencies

Terrace IV SS 003

Professor: *Daniela Kroshinsky, MD, MPH*

1. What are examples of dermatologic emergencies?
2. When should the internist call the dermatologist for a stat consult?
3. How do you recognize the dermatologic emergencies?

### Helping Your Patients with Chronic Kidney Disease

Room 115 MTP 075



Professor: *Joseph A. Vassalotti, MD*

1. What steps can be taken to slow the progression of kidney disease?
2. How do new therapies for diabetes impact the care of the patient with chronic kidney disease (CKD)?
3. What are the data on continuing or stopping ACEi or ARB in kidney function and outcomes in advanced CKD?
4. What is the best management strategy for anemia related to CKD?
5. What conditions occur commonly in CKD patients that affect quality of life, and how should these be managed?
6. When should patients with worsening kidney function be referred to a nephrologist?

### Integrating East/West Medicine into Your Practice

Room 119 MTP 105



Professor: *Ka-Kit Hui, MD, FACP*

1. What are the top 10 herbs and supplements that primary care physicians should be aware of?
2. What conditions have the most evidence-based benefit from east/west medicine?
3. What east/west treatments have been found to be most effective?
4. Are there any contraindications to a patient receiving east/west treatments, such as acupuncture or trigger point injections?

## Internal Medicine Meeting 2019 Highlights: Key Messages You'll Want to Take Home and Doctor's Dilemma®: The Finals

### Saturday, 5:15-6:30 p.m., Terrace I-II

Hear three outstanding clinician-educators share what they think are Internal Medicine Meeting 2019's most important take-home messages.

#### Highlights Moderator

*Patrick E. Young, MD, FACP, FACG, FASGE*

Professor of Medicine, Director, Digestive Diseases Division, Uniformed Services University, Bethesda, MD

#### Highlights Panelists

*Rachel P. Brook, MD, Member*

Assistant Clinical Professor of Medicine, Division of General Internal Medicine, Department of Internal Medicine, University of California, Los Angeles, Los Angeles, CA

*LT COL Joshua D. Hartzell, MD USA, FACP*

Assistant Dean for Faculty Development, Associate Professor, Division of Infectious Disease, Department of Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD

*James B. O'Keefe, MD, Member*

Assistant Professor of Medicine, Division of General Internal Medicine and Geriatrics, Department of Medicine, Emory University School of Medicine, Atlanta, GA

Then, join the excitement of the final round of Doctor's Dilemma®. The "Final Five" teams of residents who survived the Thursday and Friday competitions will face off in the championship round of this *Jeopardy*-style test of knowledge. The winner takes home the Osler Cup—ACP's coveted trophy.

#### Doctor's Dilemma® Moderator

*Melissa (Moe) Hagman, MD, FACP*

Associate Professor, Department of Medicine, University of Washington—Boise, Boise, ID


## Saturday—4:00-5:00 p.m.

### Interstitial Lung Disease: What the Internist Needs to Know

Terrace III MTP 086   
 Professor: Jesse Roman, MD, FACP

1. How should incidental interstitial changes on a CT scan be approached?
2. How can interstitial lung disease (ILD) be recognized early?
3. What evaluation should the internist perform when ILD is detected?
4. Who should be referred to a specialized center?
5. When should newer therapies be considered?

### Obesity Management: Pharmacologic, Surgical, and Postsurgical

Room 103 MTP 027   
 Professor: Osama S. Hamdy, MD, PhD

1. How does one choose a weight loss medication?
2. Will long-term weight loss be achieved by medical intervention?
3. Who should the internist refer for bariatric surgery? What are the guidelines?
4. What is the value of bariatric surgery for patients with diabetes?
5. What are the basics of management of a patient after having bariatric surgery?

### Shock and Sepsis Management to Save Lives

Room 120 MTP 064    
 Professor: Patricia A. Kritek, MD, EdM

1. How should hospitalists differentiate clinically between different types of shock, and how should they be managed?
2. What aspects of early goal-directed therapy should still be employed, and what are the most appropriate ways to identify what are the critical updates in management of a patient with sepsis?
3. How can hospital medicine programs best meet the very complex sepsis core measures and improve sepsis care quality?
4. What are the high-value care best practices for identifying and managing patients with sepsis on inpatient units? What system improvements can improve outcomes (e.g., RRT, early ICU transfer, early fluids, etc.)?

### Stable Ischemic Heart Disease

Room 114 MTP 005   
 Professor: L. Kristin Newby, MD, MHS


1. What pharmacologic agents have shown benefit in patients with stable ischemic heart disease (SIHD)?
2. What is the role of repeated cardiac imaging in patients with coronary artery disease (CAD)?
3. What has the evidence shown for revascularization versus optimal medical therapy alone in SIHD?

### Update in Rheumatology

Room 113 UD 012  
 Moderator: John J. Cush, MD

## Saturday—5:15-6:30 p.m.

### Internal Medicine Meeting 2019 Highlights: Key Messages You'll Want to Take Home and Doctor's Dilemma®: Championship

Terrace I-II IMH 001   
 Moderator: Patrick E. Young, MD, FACP, FACP, FASGE  
 Panelists: Rachel P. Brook, MD, Member  
 LT COL Joshua D. Hartzell, MD USA, FACP  
 James B. O'Keefe, MD, Member  
 Doctor's Dilemma® Melissa (Moe) Hagman, MD, FACP  
 Moderator:



### Sessions designed for physicians who practice primarily in an inpatient setting.

If you practice primarily in an inpatient setting, consider attending some of the following sessions that cover a range of issues that confront hospital-based physicians, including general medical care in the inpatient setting, medical consultation, end-of-life care, patient safety, and more.

<b>Acute Coronary Syndrome Management: When the Clock Is Ticking on the Ticker</b>			
Thursday	8:15-9:15 a.m.	Room 113	MTP 037
<b>Allergic Reactions: Urgent and Emergent Hospital Management</b>			
Friday	9:30-10:30 a.m.	Room 114	MTP 038
<b>Antibiotics Made Ridiculously Simple (...or at Least a Heck of a Lot Easier!)</b>			
Thursday	2:15-3:45 p.m.	Room 115	MTP 039
<b>Care of the Pregnant Patient</b>			
Thursday	11:15 a.m.-12:45 p.m.	Terrace III	PN 002
<b>Carpe Diem: Managing the Inpatient with Seizures</b>			
Friday	8:15-9:15 a.m.	Room 120	MTP 040
<b>COPD and Asthma Exacerbations: Best Evidence and Best Practice</b>			
Friday	2:15-3:45 p.m.	Room 118	MTP 041
<b>COPD: What's New for Inpatient and Outpatient Care?</b>			
Friday	11:15 a.m.-12:45 p.m.	Room 118	MTP 085
<b>Curbside Consultations in Infectious Diseases</b>			
Friday	2:15-3:45 p.m.	Room 113	MTP 042
<b>Deciphering Acid-Base Management</b>			
Thursday	7:00-8:00 a.m.	Terrace IV	MTP 043
<b>Delirium Evaluation and Management in the Hospital</b>			
Saturday	4:00-5:00 p.m.	Room 108	MTP 044
<b>Encephalitis and Meningitis: Identification and Management</b>			
Friday	8:15-9:15 a.m.	Room 115	MTP 045
<b>Handoffs: Improving Patient Care Transitions within the Hospital</b>			
Thursday	7:00-8:00 a.m.	Room 120	MTP 046
<b>Hematologic Emergencies</b>			
Friday	4:30-5:30 p.m.	Room 118	MTP 047
<b>Hepato-Anxiety: Treating Acute Liver Failure and Decompensated Chronic Liver Failure</b>			
Thursday	4:30-5:30 p.m.	Room 115	MTP 048
<b>Hospital and Critical Care Radiology That You Should Not Miss When the Radiologist Isn't Available</b>			
Saturday	7:00-8:00 a.m.	Room 115	MTP 049
<b>Hypertension Management of the Inpatient: When High Isn't a Good Thing</b>			
Friday	7:00-8:00 a.m.	Terrace IV	MTP 050
<b>Initial Ventilator Management and Troubleshooting Ventilator Challenges</b>			
Saturday	7:00-8:00 a.m.	Room 118	MTP 051





## Inpatient Coding: Thinking Inside the Box

Thursday 2:15-3:45 p.m. Room 121 MTP 112

## Inpatient Diabetes Management: Show Me Some Sugar!

Thursday 7:00-8:00 a.m. Room 113 MTP 052

## Inpatient Heart Failure Management: Beyond the Basics

Saturday 9:30-10:30 a.m. Room 103 MTP 053

## Inpatient Pain Management in the Era of the Opioid Epidemic

Thursday 4:30-5:30 p.m. Room 113 MTP 054

## Inpatient Sickle Cell Disease Care: Managing Our Inpatients to Keep Them Outpatients

Thursday 8:15-9:15 a.m. Room 114 MTP 055

## Minimizing Medical-Legal Risk and Maintaining Inpatient Care Quality:

### Cases from the Trenches

Saturday 7:00-8:00 a.m. Room 120 MTP 056

## Noninvasive Ventilation and High-Flow Nasal Oxygen Therapy: Practical Evidence-Based Strategies

Saturday 9:30-10:30 a.m. Room 121 MTP 057

## Palliative Care in the Noncancer Inpatient

Friday 7:00-8:00 a.m. Room 118 MTP 058

## Pancreatitis: Acute and Chronic Management

Saturday 8:15-9:15 a.m. Room 120 MTP 059

## Perioperative Cardiac Evaluation

Friday 4:30-5:30 p.m. Room 113 MTP 060

## Perioperative Controversies

Thursday 11:15 a.m.-12:45 p.m. Room 115 MTP 118

## Practical Electrolyte Management: Sodium, Potassium, Phosphorus, and More

Saturday 2:15-3:45 p.m. Room 103 MTP 061

## Pulmonary Hypertension: The Needle or the Haystack in Dyspnea Admissions

Saturday 8:15-9:15 a.m. Room 103 MTP 062

## Quality Improvement for the Practicing Hospitalist

Saturday 8:15-9:15 a.m. Room 121 MTP 063

## Shock and Sepsis Management to Save Lives

Saturday 4:00-5:00 p.m. Room 120 MTP 064

## Stroke and TIA: Inpatient Evaluation and Management

Friday 11:15 a.m.-12:45 p.m. Room 115 MTP 065

## Syncope Management: The Three "Es" of Care (Effective, Efficient, and Economical)

Friday 9:30-10:30 a.m. Room 103 MTP 066

## Top 5 High-Value Care Topics in Inpatient Medicine: Things We Do for No Reason

Friday 11:15 a.m.-12:45 p.m. Terrace III MTP 067

## Update in Hospital Medicine

Saturday 11:15 a.m.-12:45 p.m. Terrace IV UD 006

## VTE Challenges: A Case-Based Panel Discussion

Saturday 2:15-3:45 p.m. Room 115 PN 004



## Ambulatory Medicine at Internal Medicine Meeting 2019

If you practice primarily in an ambulatory care setting, consider attending some of the following sessions that address an array of clinical issues relevant to outpatient care.

### Approach to Wound Care for the Internist

Saturday 8:15-9:15 a.m. Room 118 MTP 014 

### Back Pain: Get Your Patient Back in the Game

Thursday 7:00-8:00 a.m. Terrace III MTP 089  

### Best Foot Forward: Common Foot and Ankle Complaints That Stumble into the Office

Saturday 7:00-8:00 a.m. Room 103 MTP 090 

### Beyond A1c: Using Professional Continuous Glucose Monitoring to Improve Type 2 Diabetes Management in Primary Care

Saturday 7:00-9:00 a.m. Liberty Ballroom C (HQ) CSW 006

### A Brief Military History: The Key to Good Health Care for Veterans in Your Practice


Friday 7:00-8:30 a.m. Independence Ballroom II-III (HQ) CSW 001 

Friday 11:15 a.m.-12:45 p.m. Independence Ballroom II-III (HQ) CSW 002 

### C. Wesley Eisele Lecture: Practice Transformation Using the Chronic Care Model

Thursday 8:15-9:15 a.m. Room 120 MTP 111 

### Cancer Survivorship Care in the Era of Team-Based Medicine

Saturday 4:00-5:00 p.m. Room 121 MTP 078 

### Cardiac Murmurs: Benign or Serious

Thursday 11:15 a.m.-12:45 p.m. Liberty Ballroom C (HQ) CSW 008

Thursday 2:15-3:45 p.m. Liberty Ballroom C (HQ) CSW 007

Friday 11:15 a.m.-12:45 p.m. Liberty Ballroom C (HQ) CSW 009

Friday 4:30-6:00 p.m. Liberty Ballroom C (HQ) CSW 010

### Care of the Pregnant Patient

Thursday 11:15 a.m.-12:45 p.m. Terrace III PN 002 

### Case-Based Outpatient Management of the Hypertensive Patient

Saturday 9:30-10:30 a.m. Terrace I-II MTP 073 

### Cervical Cancer Screening and HPV Update for the Internist

Thursday 2:15-3:45 p.m. Terrace III MTP 098  

### Challenges in Geriatric Medication Management: An Interactive Case-Based Workshop

Thursday 4:30-6:00 p.m. Liberty Ballroom C (HQ) CSW 011 

Saturday 11:15 a.m.-12:45 p.m. Liberty Ballroom C (HQ) CSW 012 

### Clinical Breakthroughs: Harnessing the Power of the Patient-Physician Relationship to Achieve Improved Outcomes

Thursday 4:30-6:00 p.m. Independence Ballroom II-III (HQ) CSW 013

Saturday 11:15 a.m.-12:45 p.m. Liberty Ballroom AB (HQ) CSW 014

### Clinical Images to Improve Your Knowledge Base and Refine Your Clinical Reasoning Skills

Thursday 7:00-8:00 a.m. Independence Ballroom II-III (HQ) CSW 015

Thursday 8:15-9:15 a.m. Independence Ballroom II-III (HQ) CSW 016

Friday 8:15-9:15 a.m. Liberty Ballroom C (HQ) CSW 017



## Clinical Triad: Hematuria, Erectile Dysfunction, and Testosterone Replacement

Thursday 4:30-5:30 p.m. Terrace III CT 005

## Clinical Triad: Lung Cancer Screening: Is It Ready for Prime Time?

Friday 4:30-5:30 p.m. Terrace III CT 002

## Clinical Triad: Rheumatology: Early Diagnoses You Don't Want to Miss

Thursday 8:15-9:15 a.m. Terrace III CT 003

## Clinical Triad: Sexual, Genital, and Urinary Health in Women

Saturday 8:15-9:15 a.m. Room 114 CT 004

## Colon Cancer Screening: What's New?

Saturday 7:00-8:00 a.m. Room 113 MTP 022

## Common ENT Conditions for the Internist

Saturday 9:30-10:30 a.m. Room 118 MTP 082

## Common Neurologic Conundrums for the Internist: Peripheral Neuropathy, Tremors, and Vertigo

Thursday 8:15-9:15 a.m. Room 115 MTP 076

## Commonly Missed Diagnoses in Allergy and Immunology

Friday 4:30-5:30 p.m. Room 103 MTP 091

## A Complete Contraceptive Toolkit: Cases and Demos

Thursday 11:15 a.m.-12:45 p.m. Independence Ballroom II-III (HQ) CSW 003

Thursday 2:15-3:45 p.m. Independence Ballroom II-III (HQ) CSW 004

Friday 2:15-3:45 p.m. Independence Ballroom II-III (HQ) CSW 005

## Contraception

Saturday 7:00-8:00 a.m. Room 114 MTP 099

## COPD: What's New for Inpatient and Outpatient Care?

Friday 11:15 a.m.-12:45 p.m. Room 118 MTP 085

## Curbside Consultations in Infectious Diseases

Friday 2:15-3:45 p.m. Room 113 MTP 042

## Dementia, Incontinence, and Falls: High-Value Care in the Older Adult

Friday 4:30-5:30 p.m. Room 115 MTP 030

## Diabetes Care with Oral and Other Noninsulin Agents: What You Need to Know

Thursday 4:30-5:30 p.m. Terrace I-II MTP 018

## Eye Conditions That Require Immediate Referral: What the Internist Needs to Know

Saturday 7:00-8:00 a.m. Room 121 SS 002

## From Myelodysplastic Syndrome to Myeloproliferation: The Mystery of the Marrow

Friday 11:15 a.m.-12:45 p.m. Room 114 MTP 035

## Genetics: What the Internist Needs to Know

Thursday 7:00-8:00 a.m. Room 103 MTP 102

## Hand Pain: A Common Problem with Many Causes

Saturday 9:30-10:30 a.m. Terrace III MTP 093

## High-Value Risk Stratification in the Noncardiac Patient: Preventive Cardiology

Saturday 11:15 a.m.-12:45 p.m. Room 113 MTP 004

## HIV: Long-Term Complications, Preexposure Prophylaxis, and Postexposure Prophylaxis

Friday 7:00-8:00 a.m. Room 114 MTP 068



### How to Talk to Your Patients about the Cost of Their Care

Friday 11:15 a.m.-12:45 p.m. Liberty Ballroom AB (HQ) CSW 021

### Hypogonadism: Sorting through the Controversies

Friday 7:00-8:00 a.m. Terrace III MTP 019

### Individualized Menopause Management in 2019

Saturday 9:30-10:30 a.m. Room 114 MTP 100

### Innovations in Behavioral Modification: Nudging Your Way to Better Care

Thursday 2:15-3:45 p.m. Room 114 PN 014

### Irritable Bowel Syndrome: New Hope for an Old Problem

Friday 4:30-5:30 p.m. Room 114 MTP 024

### Life-Threatening ECGs Encountered in the Outpatient Setting

Thursday 7:00-8:00 a.m. Liberty Ballroom C (HQ) CSW 022

Friday 7:00-8:00 a.m. Liberty Ballroom C (HQ) CSW 023

Friday 9:30-10:30 a.m. Liberty Ballroom C (HQ) CSW 024

### Management of Depression and Anxiety for the Internist: How Not to Have a Panic Attack

Friday 2:15-3:45 p.m. Room 115 MTP 083

### Management of Patients with Gout

Thursday 4:30-5:30 p.m. Room 114 MTP 094

### A Modern Approach to Tobacco Dependence

Thursday 4:30-5:30 p.m. Room 120 MTP 084

### Motivational Interviewing for the Busy Clinician

Friday 2:15-4:15 p.m. Liberty Ballroom C (HQ) CSW 025

Saturday 7:00-9:00 a.m. Independence Ballroom II-III (HQ) CSW 026

### News You Can Use: Current Guidelines in Breast Cancer Screening, Depression, Hematuria, and Pelvic Exam

Thursday 11:15 a.m.-12:45 p.m. Room 103 PN 010

### Nutrition and Diet for the Internist: 10 Things You Need to Know So You Can Teach Your Patients

Saturday 2:15-3:45 p.m. Terrace IV MTP 026

### Obstructive Sleep Apnea: What's New for the Internist?

Thursday 7:00-8:00 a.m. Room 114 MTP 088

### Office-Based Assessment of the Older Adult: Keep Mom Moving

Thursday 4:30-5:30 p.m. Room 118 MTP 032

### Osteoporosis High-Value Care

Saturday 8:15-9:15 a.m. Room 115 MTP 020

### Palliative Care: Optimal Use in the Current World of Oncology

Saturday 9:30-10:30 a.m. Room 120 MTP 080

### Perioperative Controversies

Thursday 11:15 a.m.-12:45 p.m. Room 115 MTP 118

### Practical Office Orthopedics for Primary Care Providers: The Knee

Thursday 7:00-9:00 a.m. Liberty Ballroom AB (HQ) CSW 028

Friday 7:00-9:00 a.m. Liberty Ballroom AB (HQ) CSW 027

### Practical Office Orthopedics for Primary Care Providers: The Shoulder

Thursday 2:15-4:15 p.m. Liberty Ballroom AB (HQ) CSW 029

Friday 2:15-4:15 p.m. Liberty Ballroom AB (HQ) CSW 030



### Practical Office Orthopedics for the Primary Care Physician: Knee and Shoulder

Thursday 11:15 a.m.-12:45 p.m. Room 113 MTP 095 

### Rheumatoid Arthritis and Systemic Lupus Erythematosus: What the Internist Needs to Know and Do about Preventive Care

Friday 7:00-8:00 a.m. Room 113 MTP 096 

### Stable Ischemic Heart Disease

Saturday 4:00-5:00 p.m. Room 114 MTP 005 

### Syncope Management: The Three "Es" of Care (Effective, Efficient, and Economical)

Friday 9:30-10:30 a.m. Room 103 MTP 066 

### Update in Ambulatory General Internal Medicine

Friday 9:30-10:30 a.m. Terrace IV UD 014 

### Utilizing Health Literacy Communication Techniques to Improve the Patient and Clinician Experience

Saturday 9:30-11:00 a.m. Independence Ballroom II-III (HQ) CSW 034





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## Do you enjoy small-group interactive learning? Get the hands-on experience that can transform the way you practice medicine.

ACP's Clinical Skills Center is a dynamic collection of educational activities that provides hands-on learning, interactive self-study, and other events and exhibits designed to improve physician well-being and professional satisfaction. Numerous topics and varied workshop lengths give Internal Medicine Meeting 2019 attendees a unique opportunity to customize their learning experience.

### Learning Objectives:

- Refine physical examination skills
- Learn indications and contraindications for commonly performed office procedures
- Improve skills in commonly performed office procedures

### Clinical Skills Center Hours of Operation

**Thursday, April 11:** 9:00 a.m.–6:00 p.m.

**Friday, April 12:** 7:00 a.m.–6:00 p.m.

**Saturday, April 13:** 8:00 a.m.–3:00 p.m.

All Clinical Skills Center activities are located inside Hall C.

### Hackathon—MIT Hacking Medicine at Internal Medicine Meeting 2019

ACP is partnering with MIT's renowned Hacking Medicine program to bring a 4-hour Hackathon to Internal Medicine Meeting 2019 on Saturday, April 13. Forward-thinking health professionals, engineers, designers, developers, and technologists will build teams to develop interdisciplinary hacks (solutions) to improve clinician workflows. Note: Prior registration was required in advance of the meeting. No walk-ins permitted.



[annualmeeting.acponline.org/hackathon](http://annualmeeting.acponline.org/hackathon)

### Ticketing

Because of high demand, Clinical Skills Center activities are reserved, ticketed sessions. Ticketing for Clinical Skills Center activities was conducted online in advance of Internal Medicine Meeting 2019. There is no onsite registration for the Clinical Skills Center; however, **walk-ins will be admitted if capacity allows.** Seats may be available for select sessions if ticket holders do not show up for these activities.

### Reserved Ticket Policy

Attendees who purchased reserved tickets are expected to arrive for activities on time. Reserved seats will be held until 10 minutes after the activity begins. After 10 minutes, unfilled seats will be made available to walk-ins. Late arrivals who have purchased tickets will be admitted if capacity allows.

### Clinical Skills Center Open House

Friday, April 12, 7:00–7:45 a.m.

Stop by for complimentary coffee and an opportunity to meet the faculty and experience all that the Clinical Skills Center has to offer. Participate in a scavenger hunt and a putting contest for a chance to win fantastic prizes, such as a free copy of the new MKSAP® 18 or an ACP gift card.

### Walk-ins Welcome

While tickets to most activities sold out in advance online, there are often no-shows, leaving seats unfilled. These unfilled seats will be made available to walk-ins at no charge. There are also several activities that don't require tickets, including Interactive "Virtual Dx" Microlearning activities and Physician Well-Being and Personal Satisfaction presentations.



This year, the Clinical Skills Center will host several activities related to physician well-being and professional satisfaction. Participate in a series of mini skills sessions to enhance well-being; 4 different sessions will be repeated each day. Take a look at the interactive exhibit on workflow innovations for hospitalists and ambulatory care and add your ideas. Finally, tell us what keeps YOUR heart in medicine by posting a short note on our popular Hearts in Medicine banner.

**Please note: Tickets are not required for these sessions.**

### Mini But Mighty: Skills for Well-Being Sessions Schedule

#### Thursday, 4/11/2019

<i>Time</i>	<i>Featured Mini Skill</i>
10:35–10:50 a.m.	Mindfulness based stress reduction (relaxation and self-regulation)
10:55–11:10 a.m.	Self-care to increase endorphins
12:50–1:05 p.m.	Practicing gratitude for sustained well-being
1:10–1:25 p.m.	Well-being elevator speech
1:30–1:45 p.m.	Mindfulness based stress reduction (relaxation and self-regulation)
3:50–4:05 p.m.	Self-care to increase endorphins
4:10–4:25 p.m.	Practicing gratitude for sustained well-being

#### Friday, 4/12/2019

<i>Time</i>	<i>Featured Mini Skill</i>
10:35–10:50 a.m.	Mindfulness based stress reduction (relaxation and self-regulation)
10:55–11:10 a.m.	Self-care to increase endorphins
12:50–1:05 p.m.	Practicing gratitude for sustained well-being
1:10–1:25 p.m.	Well-being elevator speech
1:30–1:45 p.m.	Mindfulness based stress reduction (relaxation and self-regulation)
3:50–4:05 p.m.	Self-care to increase endorphins
4:10–4:25 p.m.	Practicing gratitude for sustained well-being

#### Saturday, 4/13/2019

<i>Time</i>	<i>Featured Mini Skill</i>
10:35–10:50 a.m.	Practicing gratitude for sustained well-being
10:55–11:10 a.m.	Self-care to increase endorphins



## Join us for the Clinical Skills Center Open House

Friday, April 12, 2019 • 7:00 a.m.–7:45 a.m. • Exhibit Hall C

Rise, shine, and explore the  
“Thrills and Skills” epicenter of  
Internal Medicine Meeting.



**Meet and greet the faculty** and  
learn about the hands-on learning  
opportunities available to you.



**Participate in a  
Scavenger Hunt**  
for a chance to win  
a free copy of the  
new MKSAP 18.

ACP | **MKSAP**  
**18**



**Check out  
the activities**  
dedicated to  
improving  
Physician Well-  
Being and  
Professional  
Satisfaction.



**Put your golf  
putting skills  
to the test**  
for a chance  
to win an ACP  
gift card.



**Or just come for the Philadelphia beans!**  
Enjoy some local complimentary coffee while  
discovering what the Clinical Skills Center  
has to offer.



## 21st-Century Bedside Medicine Skills

### 1.5-hour sessions

**Friday:** Noon, 2:00 p.m., 4:00 p.m.

**Saturday:** 9:00 a.m., 11:00 a.m.

### Faculty:

*Maja K. Artandi, MD, FACP*

*Andrew Elder, MD, FACP*

*Brian Garibaldi, MD, MEHP, FACP (Course Director)*

*John F. Kugler, MD*

*Timothy Niessen, MD, FACP*

*Stephen W. Russell, MD, FACP*

Learn to perform and interpret high-yield physical exam maneuvers and to incorporate emerging technology into your clinical practice.

## Arthrocentesis & Bursal Injection

### 1-hour sessions

**Thursday:** 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.

**Friday:** 8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.

**Saturday:** 8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m.

### Faculty:

*Eric J. Anish, MD, FACP, FACSM*

*Harshad Chaudhari, MD, Resident/Fellow Member*

*Kenneth A. Epstein, MD, Member*

*Theresa J. Frimel, NP-C*

*Paul F. Howard, MD, MACP, FACR (Course Director)*

*Kevin J. Kempf, MD, FACP, FACR*

*Marcia G. Ko, MD, FACP*

*Trent H. Smith, MD, Member, FACR*

*Andrea Labus, MD, Resident/Fellow Member*

Faculty will demonstrate joint injection techniques, and participants will practice these procedures on joint models. An instructional video of these procedures will also be available for viewing. Participants will learn the anatomical landmarks used to identify injection sites and the procedural steps for performing arthrocentesis and soft-tissue injection on shoulders and knees.

**Workshop Prerequisite:** Viewing of 25-minute arthrocentesis video. To view the video, visit [annualmeeting.acponline.org/csvideos](http://annualmeeting.acponline.org/csvideos) or the meeting app.



## Building Your Ultrasound Portfolio: Image Review and Feedback

### 1-hour sessions

**Thursday:** 9:00 a.m., 2:30 p.m., 3:30 p.m., 4:30 p.m.

**Friday:** 8:00 a.m., 9:00 a.m., 10:00 a.m., 1:30 p.m.

**Saturday:** 8:00 a.m., 9:00 a.m., 11:00 a.m., Noon

### Faculty:

*Keith R. Barron, MD, Member*

*Michael S. Wagner, MD, FACP (Course Director)*

Enhance the quality of your portable ultrasound examinations by reviewing your images in person with experts in the field. This session is ideal for participants of prior ultrasound workshops who do not have local access to image quality assurance and would like personalized feedback and mentorship as they learn this important skill.

## Cardiac Diagnosis with "Harvey®," the Cardiopulmonary Patient Simulator

### 1.5-hour sessions

**Thursday:** 9:30 a.m., 11:30 a.m., 1:30 p.m., 3:30 p.m.

**Friday:** 8:00 a.m., 10:00 a.m., Noon, 2:00 p.m., 4:00 p.m.

**Saturday:** 8:00 a.m., 10:00 a.m., Noon

### Faculty:

*Donald D. Brown, MD, FACP, FACC*

*Joseph B. Esterson, MD, FACP, FACC, FCCP*

*George T. Kondos, MD, Member*

*Ross J. Scalese, MD, FACP (Course Director)*

Using repetitive practice with feedback, this workshop will teach the most important bedside cardiac findings ("The Big 12") by using a proven training system: "Harvey®," the Cardiopulmonary Patient Simulator. Skills learned in this workshop will be based on an understanding of the cardiac pressure and volume curves and involvement through interaction and mimicry of auscultation.



## Chronic Leg Wound Management

### 1.5-hour sessions

**Thursday:** 2:00 p.m., 4:00 p.m.

**Friday:** 2:00 p.m., 4:00 p.m.

**Saturday:** 8:30 a.m., 10:30 a.m.

### Faculty:

*Theodore G. MacKinney, MD, MPH, FACP (Course Director)*

*Margaret McCarty Stanisic, PT, CLT, CWS, MS*

*Barbara J. Provo, MSN, FNP-BC, CWON*

Participants will learn to differentiate among major leg wound categories and how to prepare wounds for treatment and know which topical or systemic treatments to use on chronic leg wounds. The workshop will focus on when to use multilayer compression wraps and provide practical tips for the management of venous leg ulcers.

## Diagnosis-Driven Physical Examination of the Knee

### 1.5-hour sessions

**Thursday:** 9:00 a.m., Noon, 3:00 p.m.

**Friday:** 8:00 a.m.

### Faculty:

*Sameer Dixit, MD, FACP*

*Kevin Eerkes, MD*

*Michal "Kalli" Hose, MD*

*David G. Liddle, MD, FACP*

*Meg Pearson, MD*

*Anna P. Quan, MD*

*Carlin H. Senter, MD, FACP (Course Director)*

*Sara Slattery, MD, Member*

*Leslie Yen, MD, RMSK, FACP*

Improve your skills at taking a focused history and performance of the diagnosis-driven physical examination of the knee. Learn knee exam maneuvers that are useful in identifying the most commonly diagnosed knee problems seen by internists in primary care. Participants will change into scrubs (provided by the Clinical Skills Center) and break into small groups for hands-on practice on each other.

**Workshop Prerequisite:** Viewing of video on physical examination skills. To view the video, visit [annualmeeting.acponline.org/csvideos](http://annualmeeting.acponline.org/csvideos) or go to the meeting app.

## Diagnosis-Driven Physical Examination of the Shoulder

### 1.5-hour sessions

**Thursday:** 10:30 a.m., 1:30 p.m., 4:30 p.m.

**Friday:** 9:30 a.m.

### Faculty:

*Sameer Dixit, MD, FACP*

*Kevin Eerkes, MD*

*Michal "Kalli" Hose, MD*

*David G. Liddle, MD, FACP*

*Meg Pearson, MD*

*Anna P. Quan, MD*

*Carlin H. Senter, MD, FACP (Course Director)*

*Sara Slattery, MD, Member*

*Leslie Yen, MD, RMSK, FACP*

Improve your skills at taking a focused history and performance of the diagnosis-driven physical examination of the shoulder. Learn shoulder exam maneuvers that are useful in identifying the most commonly diagnosed shoulder problems seen by internists in primary care. Participants will change into scrubs (provided by the Clinical Skills Center) and break into small groups for hands-on practice on each other.

**Workshop Prerequisite:** Viewing of video on physical examination skills. To view the video, visit [annualmeeting.acponline.org/csvideos](http://annualmeeting.acponline.org/csvideos) or go to the meeting app.

## Foot and Ankle Disorders

### 1.5-hour sessions

**Thursday:** 10:00 a.m., Noon

**Friday:** 8:00 a.m., 10:00 a.m.

### Faculty:

*Richele L. Corrado, DO, MPH, Member*

*Kim F. Gibson, MD, FACP*

*Jeanne P. Mitchell, MD, FACP*

*Joan B. Ritter, MD, FACP (Course Director)*

Become familiar with common complaints involving the foot and ankle. Participants will learn the appropriate use of foot and ankle orthotics and recognize indications for imaging studies and subspecialty referral.





## Function-Focused Gait Assessment

### 1.5-hour sessions

**Friday:** 1:00 p.m., 3:00 p.m.

**Saturday:** 9:00 a.m., 11:00 a.m.

#### Faculty:

*Everett Hills, MD*

*Natasha L. Romanoski, DO*

*Matthew Silvis, MD*

*John Wawrzyniak, ATC, PT, CSCS*

Strengthen your knowledge of normal versus abnormal walking and running by combining highly effective clinical history gathering methods with hands-on practice of focused clinical physical examination skills.

## Incision and Drainage of Abscesses

### 1-hour sessions

**Thursday:** 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.

**Friday:** 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.

**Saturday:** 8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m.

#### Faculty:

*Greg Casey, DO*

*Lisa M. Filippone, MD*

*Brian Freeze, MD*

*Kanika Gupta, MD*

*Anthony S. Mazzeo, MD, FACEP, FAAEM (Course Director)*

*Joseph Maciuba, MD, Resident/Fellow Member*

*Sundip Patel, MD*

*Thomas Rebbecchi, MD*

Using simulation models, participants will learn how to incise, drain, irrigate, and pack abscesses under the supervision of expert faculty. Supplies and postprocedure care will also be discussed.

## Intraosseous Catheter Placement

### 1-hour sessions

**Thursday:** Noon, 1:30 p.m.

**Friday:** 8:00 a.m., 9:30 a.m.

**Saturday:** 11:00 a.m., 12:30 p.m.

#### Faculty:

*Anshu R. Abhat, MD, MPH, Member*

*YiJu Teresa Liu, MD*

*Adrian P. Umpierrez, MD, FACP*

*Jason Williams, MD, Member (Course Director)*

Learn the potentially lifesaving applications for IO catheters and how to minimize and monitor for complications. Participants will break into small groups for hands-on practice placing IO catheters on task trainers.

## Ophthalmoscopic Skills

### 1.5-hour sessions

**Thursday:** 10:00 a.m., Noon, 2:00 p.m., 4:00 p.m.

**Friday:** 8:00 a.m., 10:00 a.m., Noon, 2:00 p.m., 4:00 p.m.

**Saturday:** 8:30 a.m., 10:30 a.m.

#### Faculty:

*Eugene C. Corbett Jr., MD, MACP (Course Director)*

*Simon J. Lehtinen, MD, FACP*

*Andrew Parsons, MD, Member*

*J. Andrew Starr, MD, Member*

This workshop is designed to enhance ophthalmoscopic examination of the cornea; anterior chamber; lens; and retina, including venous pulsations.



## Skin Biopsy & Cryosurgery

### 1-hour sessions

**Thursday:** 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.

**Friday:** 8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.

**Saturday:** 8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m.

### Faculty:

*Irina Burman, MD, FACP*

*Roger W. Bush, MD, MACP*

*Duyen T. Faria, DO*

*Auguste H. Fortin VI, MD, MPH, MACP (Course Director)*

*Carrie A. Horwitch, MD, MPH, MACP*

*Joseph Maciuba, MD, Resident/Fellow Member*

*Richard Shellenberger, DO, FACP*

Learn how to perform various skin biopsy and cryosurgery techniques. Faculty members are available to provide instruction and feedback as participants practice these techniques on pigs' feet. Participants will practice three skin biopsy techniques: shave, punch, and elliptical excision; become familiar with the supplies and equipment needed to do skin biopsies in the office setting; and learn how to remove a lesion with cryosurgery.

**Workshop Prerequisite:** Viewing of 25-minute video on skin biopsy. To view the video, visit [annualmeeting.acponline.org/csvideos](http://annualmeeting.acponline.org/csvideos) or go to the meeting app.

## Suturing Skills

### 1-hour sessions

**Thursday:** 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.

**Friday:** 8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.

### Faculty:

*Sean P. Gnecco, MD*

*Ritesh B. Patel, MD, FACP*

*Vijay Rajput, MD, MBBS, FACP, SFHM (Course Director)*

*Sunil Sapru, MD, FACP*

Learn how to perform various suturing techniques, and become familiar with the supplies and equipment needed to suture wounds in the office setting. Expert faculty will provide instruction and feedback as participants practice these techniques on pigs' feet.

## Toenail Removal

### 1-hour sessions

**Friday:** 8:00 a.m., 9:30 a.m., 11:00 a.m.

**Saturday:** 8:00 a.m., 9:30 a.m., 11:00 a.m.

### Faculty:

*Galen T. Foulke, MD (Course Director)*

*Charlene Lam, MD, MPH*

Learn the indications for toenail removal and which procedures are appropriate for generalists. Using a realistic model and actual surgical instruments, practice a digital block, wedge resection and removal of an ingrown toenail, and wound care. Necessary supplies, follow-up care, and complication guidelines will also be discussed.

**Workshop Prerequisite:** Viewing of 15-minute video on toenail removal. To view the video, visit [annualmeeting.acponline.org/csvideos](http://annualmeeting.acponline.org/csvideos) or go to the meeting app.

## Ultrasound-Guided Central Venous Line Placement

### 2-hour sessions

**Thursday:** 9:00 a.m., 9:30 a.m., 10:00 a.m., 10:30 a.m., 12:30 p.m., 1:00 p.m., 1:30 p.m., 2:00 p.m., 2:30 p.m., 3:00 p.m.

**Friday:** 8:00 a.m., 8:30 a.m., 9:00 a.m., 9:30 a.m., 10:00 a.m., 10:30 a.m., 12:30 p.m., 1:00 p.m., 1:30 p.m., 2:00 p.m.

**Saturday:** 8:30 a.m., 9:00 a.m., 9:30 a.m., 10:00 a.m., 10:30 a.m., 11:00 a.m., 11:30 a.m.

### Faculty:

*Cyrus Askin, MD, Resident/Fellow Member*

*Rita N. Bakhru, MD, MS (Course Director)*

*Keith Boniface, MD*

*Steven Fox, MD, Resident/Fellow Member*

*Joan Hoch Kinniry, MSN, CRNP*

*Paul A. Kinniry, MD, Member*

*Shruti Patel, MD, Member*

*William Schweickert, MD, Member*

*Hamid Shokoohi, MD, MPH, RDMS, FACEP*

*Jason Williams, MD, Member*







This workshop will use ultrasonography, live patient models, and simulators to teach safe central venous line placement skills. Moving through three separate learning stations, participants will learn how to find vessels by using hand-held ultrasonography, practice line placement technique on high-fidelity simulators, and learn about the equipment necessary to perform the procedure. Expert faculty will be onsite to provide instruction and feedback.

### Ultrasound-Guided Lumbar Puncture

#### 1.5-hour sessions

**Thursday:** 1:30 p.m., 3:00 p.m., 4:30 p.m.

**Friday:** 1:30 p.m., 3:00 p.m., 4:30 p.m.

**Saturday:** Noon, 1:30 p.m.

#### Faculty:

*Jack Badawy, MD, MBChB*

*Mary Catherine Johnson, MD*

*Robert Nathanson, MD, FACP (Course Director)*

*Joshua Pozos, MD, MPH*

*Raudel Rodriguez, MD, Member*

*Benjamin E. Stephens, MBBS, Member*

*Alison Wiseman, MD*

Participants will watch a demonstration of lumbar puncture technique and then practice the procedure on simulation models. Expert faculty will provide feedback and discuss these techniques pre- and postprocedure.



### Ultrasound-Guided Paracentesis

#### 1.5-hour sessions

**Thursday:** Noon, 2:00 p.m., 4:00 p.m.

**Friday:** 8:00 a.m., 10:00 a.m., Noon

**Saturday:** 8:00 a.m., 10:00 a.m.

#### Faculty:

*Ola Al Sous, MD, Member*

*Alyssa V. Burkhart, MD, FACP*

*Jeremy Hatchett, MD*

*Joshua D. Lenchus, DO, FACP, SFHM (Course Director)*

*Jacob Ludwig, DO, MBA, Resident/Fellow Member*

*Maria Antonietta Mosetti, MD, Member*

Using ultrasonography equipment and training models, participants will learn how to find landmarks and practice paracentesis technique. The indications, contraindications, and complications of the procedure will also be reviewed.

### Ultrasound-Guided PICC Line Placement

#### 1.5-hour sessions

**Thursday:** 9:00 a.m., 10:30 a.m.

**Friday:** 1:00 p.m., 2:30 p.m.

**Saturday:** 8:00 a.m., 9:30 a.m.

#### Faculty:

*Hailey Hogue, MD, Member*

*Michael J. McNeal, MD, FACP*

*Austin Metting, MD, FACP*

*Curtis R. Mirkes, DO, FACP (Course Director)*

*Megan G. Newman, MD, FACP*

This workshop will teach the indications, technical skills, and practice implications regarding placement of PICC lines and provide hands-on training in placing PICC lines with the aid of hand-held ultrasonography and partial task simulators.

### Ultrasound-Guided Thoracentesis

#### 1.5-hour sessions

**Thursday:** 9:00 a.m., 11:00 a.m., 2:00 p.m.

**Friday:** 8:00 a.m., 10:00 a.m., 1:00 p.m.

#### Faculty:

*Tonya Anderson, MD, FACP, FHM*

*Aaron J. Calderon, MD, FACP (Course Director)*

*Alice Gallo De Moraes, MD, FACP*

*Emily R. Gilbert, MD*

*Joan Hoch Kinniry, MSN, CRNP*

*Ranju Kunwor, MD, Resident/Fellow Member*

*Neil H. Winawer, MD, Member, SFHM*

Using ultrasonography equipment and training models, participants will learn to identify landmarks, diagnose pleural effusions, and practice thoracentesis technique. They will also review the indications, contraindications, and complications of the procedure.





### Interactive "Virtual Dx" Microlearning

Enhance your ECG interpretation skills, dermatologic image interpretation skills, and point-of-care ultrasound analysis skills by engaging in a variety of microlearning opportunities based on the popular Virtual Dx program from MKSAP. Relax and learn at your pace and on your schedule.

### Physician Well-Being and Professional Satisfaction Activities

- Participate in a series of mini skills sessions designed to enhance well-being.
- Add your ideas to an interactive exhibit on workflow innovations for hospitalists and ambulatory care.
- Tell us what keeps YOUR heart in medicine by posting a short note on the Hearts in Medicine banner.

*Tickets are not required for these activities.*

### 2019 Herbert S. Waxman Chief Resident Teaching Scholarship

This scholarship was established to recognize outstanding Chief Medical Residents and to provide them an opportunity to assist teaching popular clinical skills workshops under the guidance and mentorship of expert faculty at the ACP Internal Medicine Meeting.

ACP is proud to acknowledge this year's chief resident awardees:

Cyrus Askin, MD  
 Steven Fox, MD  
 Ranju Kunwor, MD  
 Andrea Labus, MD  
 Jacob Ludwig, DO, MBA  
 Joseph Maciuba, MD

### Video Prerequisites

For free online access to the video prerequisites indicated, use the following link or scan the QR code with your smartphone or tablet (QR code-reading software required):



[annualmeeting.acponline.org/cs/videos](https://annualmeeting.acponline.org/cs/videos)



Schedule of Activities	Thursday, April 11
<b>21st-Century Bedside Medicine Skills</b> 1-hour workshops	
<b>Arthrocentesis and Bursal Injections</b> 1-hour workshops	9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.
<b>Building Your Ultrasound Portfolio: Image Review and Feedback</b> 1-hour workshops	9:00 a.m., 2:30 p.m., 3:30 p.m., 4:30 p.m.
<b>Cardiac Diagnosis with Harvey® , the Cardiopulmonary Patient Simulator</b> 1.5-hour workshops	9:30 a.m., 11:30 a.m., 1:30 p.m., 3:30 p.m.
<b>Chronic Leg Wound Management</b> 1.5-hour workshops	2:00 p.m., 4:00 p.m.
<b>Dermatologic Image Interpretation</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.
<b>Diagnosis-Driven Physical Examination of the Knee</b> 1.5-hour workshops	9:00 a.m., Noon, 3:00 p.m.
<b>Diagnosis-Driven Physical Examination of the Shoulder</b> 1.5-hour workshops	10:30 a.m., 1:30 p.m., 4:30 p.m.
<b>ECG Interpretation Skills</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.
<b>Foot and Ankle Disorders</b> 1.5-hour workshops	10:00 a.m., Noon
<b>Function-Focused Gait Assessment</b>	
<b>Incision and Drainage of Abscesses</b> 1-hour workshops	12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.
<b>Intraosseous Catheter Placement</b> 1-hour workshops	Noon, 1:30 p.m.
<b>Ophthalmoscopic Skills</b> 1.5-hour workshops	10:00 a.m., Noon, 2:00 p.m., 4:00 p.m.
<b>Skin Biopsy and Cryosurgery</b> 1-hour workshops	9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.
<b>Suturing Skills</b> 1-hour workshops	9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.
<b>Toenail Removal</b> 1-hour workshops	
<b>Ultrasound-Guided Central Venous Line Placement</b> 2-hour workshops	9:00 a.m., 9:30 a.m., 10:00 a.m., 10:30 a.m., 12:30 p.m., 1:00 p.m., 1:30 p.m., 2:00 p.m., 2:30 p.m., 3:00 p.m.
<b>Ultrasound-Guided Lumbar Puncture</b> 1.5-hour workshops	1:30 p.m., 3:00 p.m., 4:30 p.m.
<b>Ultrasound-Guided Paracentesis</b> 1.5-hour workshops	Noon, 2:00 p.m., 4:00 p.m.
<b>Ultrasound-Guided PICC Line Placement</b> 1.5-hour workshops	9:00 a.m., 10:30 a.m.
<b>Ultrasound-Guided Thoracentesis</b> 1.5-hour workshops	9:00 a.m., 11:00 a.m., 2:00 p.m.
<b>Ultrasound Image Analysis Skills</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.



Schedule of Activities	Friday, April 12
<b>21st-Century Bedside Medicine Skills</b> 1-hour workshops	Noon, 2:00 p.m., 4:00 p.m.
<b>Arthrocentesis and Bursal Injections</b> 1-hour workshops	8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.
<b>Building Your Ultrasound Portfolio: Image Review and Feedback</b> 1-hour workshops	8:00 a.m., 9:00 a.m., 10:00 a.m., 1:30 p.m.
<b>Cardiac Diagnosis with Harvey® , the Cardiopulmonary Patient Simulator</b> 1.5-hour workshops	8:00 a.m., 10:00 a.m., Noon, 2:00 p.m., 4:00 p.m.
<b>Chronic Leg Wound Management</b> 1.5-hour workshops	2:00 p.m., 4:00 p.m.
<b>Dermatologic Image Interpretation</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.
<b>Diagnosis-Driven Physical Examination of the Knee</b> 1.5-hour workshops	8:00 a.m.
<b>Diagnosis-Driven Physical Examination of the Shoulder</b> 1.5-hour workshops	9:30 a.m.
<b>ECG Interpretation Skills</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.
<b>Foot and Ankle Disorders</b> 1.5-hour workshops	8:00 a.m., 10:00 a.m.
<b>Function-Focused Gait Assessment</b>	1:00 p.m., 3:00 p.m.
<b>Incision and Drainage of Abscesses</b> 1-hour workshops	12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.
<b>Intraosseous Catheter Placement</b> 1-hour workshops	8:00 a.m., 9:30 a.m.
<b>Ophthalmoscopic Skills</b> 1.5-hour workshops	8:00 a.m., 10:00 a.m., Noon, 2:00 p.m., 4:00 p.m.
<b>Skin Biopsy and Cryosurgery</b> 1-hour workshops	8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.
<b>Suturing Skills</b> 1-hour workshops	8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.
<b>Toenail Removal</b> 1-hour workshops	8:00 a.m., 9:30 a.m., 11:00 a.m.
<b>Ultrasound-Guided Central Venous Line Placement</b> 2-hour workshops	8:00 a.m., 8:30 a.m., 9:00 a.m., 9:30 a.m., 10:00 a.m., 10:30 a.m., 12:30 p.m., 1:00 p.m., 1:30 p.m., 2:00 p.m.
<b>Ultrasound-Guided Lumbar Puncture</b> 1.5-hour workshops	1:30 p.m., 3:00 p.m., 4:30 p.m.
<b>Ultrasound-Guided Paracentesis</b> 1.5-hour workshops	8:00 a.m., 10:00 a.m., Noon
<b>Ultrasound-Guided PICC Line Placement</b> 1.5-hour workshops	1:00 p.m., 2:30 p.m.
<b>Ultrasound-Guided Thoracentesis</b> 1.5-hour workshops	8:00 a.m., 10:00 a.m., 1:00 p.m.
<b>Ultrasound Image Analysis Skills</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.



Schedule of Activities	Saturday, April 13
<b>21st-Century Bedside Medicine Skills</b> 1-hour workshops	9:00 a.m., 11:00 a.m.
<b>Arthrocentesis and Bursal Injections</b> 1-hour workshops	8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m.
<b>Building Your Ultrasound Portfolio: Image Review and Feedback</b> 1-hour workshops	8:00 a.m., 9:00 a.m., 11:00 a.m., Noon, 6:00 p.m.
<b>Cardiac Diagnosis with Harvey® , the Cardiopulmonary Patient Simulator</b> 1.5-hour workshops	8:00 a.m., 10:00 a.m., Noon
<b>Chronic Leg Wound Management</b> 1.5-hour workshops	8:30 a.m., 10:30 a.m.
<b>Dermatologic Image Interpretation</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.
<b>Diagnosis-Driven Physical Examination of the Knee</b> 1.5-hour workshops	
<b>Diagnosis-Driven Physical Examination of the Shoulder</b> 1.5-hour workshops	
<b>ECG Interpretation Skills</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.
<b>Foot and Ankle Disorders</b> 1.5-hour workshops	
<b>Function-Focused Gait Assessment</b>	9:00 a.m., 11:00 a.m.
<b>Incision and Drainage of Abscesses</b> 1-hour workshops	8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m.
<b>Intraosseous Catheter Placement</b> 1-hour workshops	11:00 a.m., 12:30 p.m.
<b>Ophthalmoscopic Skills</b> 1.5-hour workshops	8:30 a.m., 10:30 a.m.
<b>Skin Biopsy and Cryosurgery</b> 1-hour workshops	8:00 a.m., 9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m.
<b>Suturing Skills</b> 1-hour workshops	
<b>Toenail Removal</b> 1-hour workshops	8:00 a.m., 9:30 a.m., 11:00 a.m.
<b>Ultrasound-Guided Central Venous Line Placement</b> 2-hour workshops	8:30 a.m., 9:00 a.m., 9:30 a.m., 10:00 a.m., 10:30 a.m., 11:00 a.m., 11:30 a.m.
<b>Ultrasound-Guided Lumbar Puncture</b> 1.5-hour workshops	Noon, 1:30 p.m.
<b>Ultrasound-Guided Paracentesis</b> 1.5-hour workshops	8:00 a.m., 10:00 a.m.
<b>Ultrasound-Guided PICC Line Placement</b> 1.5-hour workshops	8:00 a.m., 9:30 a.m.
<b>Ultrasound-Guided Thoracentesis</b> 1.5-hour workshops	8:30 a.m., 10:30 a.m.
<b>Ultrasound Image Analysis Skills</b>	Open admission/no time limit; Available 9:00 a.m.-6:00 p.m.

# HIV Care is Built on Brief Conversations Between Providers and Patients

Tools and information from CDC can help health care providers talk to patients about HIV treatment, care, and transmission prevention.



Access Now: [www.cdc.gov/preventioniscare](http://www.cdc.gov/preventioniscare)



PREVENTION  
IS CARE  
*Care IS Prevention*



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Medical Knowledge Self-Assessment Program



## Convocation Ceremony

Thursday • 6:00 p.m. • CC, Hall B

Please join ACP leaders in honoring those recently elected to Fellowship. Recognized by their peers for outstanding medical scholarship and professional achievement, new Fellows march alongside their ACP Governor and local awardees in a moving ceremony. Designed to showcase excellence in medicine, Convocation includes the presentation of Masterships and specific individual and organizational awards granted by the College. The global community of internal medicine is represented with colleagues from the International Society of Internal Medicine, the European Federation of Internal Medicine, and the Royal Colleges and Academies joining ACP leaders on stage to celebrate this important event.

For further information about new Fellows, awards, awardees, new Masters, Honorary Fellows, and international dignitaries, see the separate Convocation Program, available at Convocation and on request at Internal Medicine Meeting 2019 registration. Everyone invited to march in Convocation has been notified in advance with detailed information. General information follows.

## Honorary Fellows and Special Representatives

Honorary Fellowships are presented to invited presidents (or equivalents) from international medical associations who attend Convocation and are not already members of the College. Presidents who are already members or Honorary Fellows and distinguished guests representing presidents who could not themselves attend sit on stage as Special Representatives.

## Gowning Information

All gowning and preparation for Convocation takes place in Hall C of the Convention Center. Gowns for Fellows to be inducted are available in Hall C beginning at 11:30 a.m., Thursday, April 11, 2019. Pre-Convocation assembly of new Fellows is in Hall C from 5:00-5:30 p.m.

Gowning for the President and Chair of the Board of Regents, distinguished guests, new Masters, and national award recipients is in Hall C beginning at 4:00 p.m. to allow sufficient time for official photographs to be taken.

Gowning for other Officers and Regents is at 4:30 p.m. in Hall C. Gowning for Governors and chapter awardees is at 5:00 p.m. in Hall C. The Governor groups and chapter awardees are to assemble with their new Fellows by 5:30 p.m. in Hall C.

## Photographs in Academic Regalia

Any Fellow or Master of the College may order a photograph in academic regalia. Professional photographers will be available on Thursday, April 11, and Friday, April 12, should you wish to have a formal portrait taken. Photos are taken on Thursday from noon-8:00 p.m. and on Friday from 9:30 a.m.-noon in the Broad Street Atrium. Various portrait options are available, and prices vary according to the selection.

Appointments can be made at the Lifetouch Photography center located in the Broad Street Atrium.

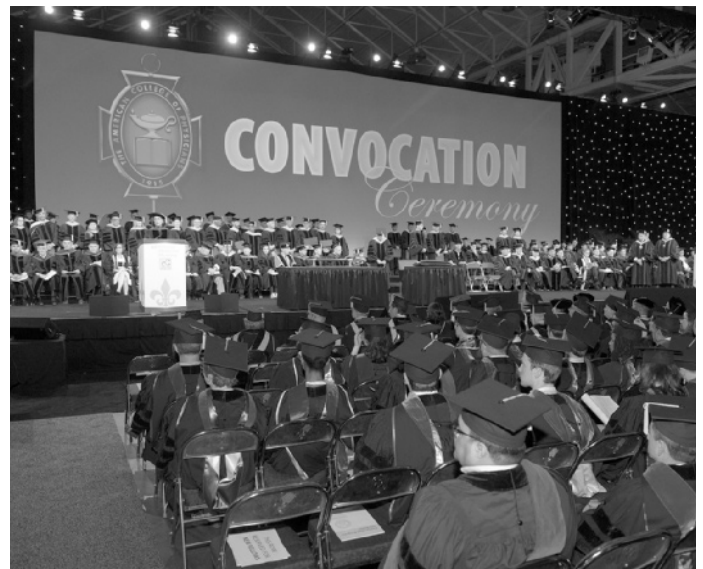
## Guests

Convocation is held in Hall B. Guests are welcome to attend Convocation; no tickets are required. Seating for Convocation is on a first-come, first-served basis from 5:00-5:50 p.m. in Hall B and continues after the processional. No one is admitted during the processional, which begins at 6:00 p.m. Those with small children are encouraged to use the child care services at their hotel or the service available for Internal Medicine Meeting 2019 attendees at the Philadelphia Marriott Downtown.

## Celebrate New Fellows, Masters, and Awardees

Be sure to attend the reception given by your chapter to celebrate the accomplishments of new Fellows, new Masters, and awardees. For a list of receptions, see page 76. New Fellows and new Masters are invited to wear ribbons on their badges and use the Fellows and Masters Lounge in the Exhibit Hall at location 124.

DVDs of Convocation may be purchased after the ceremony for shipment later in the year. Order forms are included in the Convocation Program and are also available in the gowning areas. In addition, don't miss a visit to the "Wall of Fame" in the lobby outside Hall C for a unique photo opportunity.



## Legend

**CC** Pennsylvania Convention Center

**HQ** Philadelphia Marriott Downtown (Headquarter Hotel)



### 2018-19 Awardees of the American College of Physicians

#### John Phillips Memorial Award for Outstanding Work in Clinical Medicine

*John C. LaRosa, MD, MACP*  
Brooklyn, New York

#### James D. Bruce Memorial Award for Distinguished Contributions in Preventive Medicine

*Lawrence Dayton, MD*  
Washington, District of Columbia

#### Alfred Stengel Memorial Award for Outstanding Service to the American College of Physicians

*Virginia L. Hood, MBBS, MPH, MACP*  
Burlington, Vermont

#### Harriet P. Dustan Award for Outstanding Work in Science as Related to Medicine

*Mary M. Horowitz, MD, MACP*  
Milwaukee, Wisconsin

*Cynthia L. Sears, MD, FACP*  
Baltimore, Maryland

#### Edward R. Loveland Memorial Award

*The Connecticut Hospice*  
Branford, Connecticut

#### Jane F. Desforges Distinguished Teacher Award

*Lewis E. Braverman, MD, MACP*  
Boston, Massachusetts

*Jeffrey G. Wiese, MD, MACP*  
New Orleans, Louisiana

#### Richard and Hinda Rosenthal Award #1 from The Rosenthal Family Foundation

*Shyam Kottilil, MBBS, FACP*  
Baltimore, Maryland

#### Richard and Hinda Rosenthal Award #2 from The Rosenthal Family Foundation

*The Grady Liver Clinic*  
Atlanta, Georgia

#### Ralph O. Claypoole Sr. Memorial Award for Devotion of a Career in Internal Medicine to the Care of Patients

*Roger B. Daniels, MD, FACP*  
Philadelphia, Pennsylvania

#### Nicholas E. Davies Memorial Scholar Award for Outstanding Contributions to Humanism in Medicine

*Joseph J. Fins, MD, MACP, FRCP*  
New York, New York

#### Joseph F. Boyle Award for Distinguished Public Service

*Vivek H. Murthy, MD*  
Washington, District of Columbia

#### Oscar E. Edwards Memorial Award for Volunteerism and Community Service

*Alan W. Keister, MD, FACP*  
Amarillo, Texas

#### Alvan R. Feinstein Award

*David K. Henderson, MD, FACP*  
Bethesda, Maryland

#### Walter J. McDonald Award for Young Physicians

*Jillian S. Catalanotti, MD, FACP*  
Arlington, Virginia

#### Joseph E. Johnson Leadership Award

*Hind Rafei, MD*  
Houston, Texas

#### Herbert S. Waxman Award for Outstanding Medical Student Educator

*J.S. Neumeister, MD, FACP*  
Omaha, Nebraska

#### W. Lester Henry Award for Diversity and Access to Care

*Deidra C. Crews, MD, FACP*  
Baltimore, Maryland

#### Samuel Eichold II Memorial Award for Contributions in Diabetes

*Ruth S. Weinstock, MD, FACP*  
Syracuse, New York

#### ACP Award for Distinguished Contributions to Behavioral Medicine

*Kevin Volpp, MD, FACP*  
Philadelphia, Pennsylvania

#### ACP Award for Outstanding Educator of Residents and Fellows

*James B. Lewis Jr., MD, MACP*  
Memphis, Tennessee

#### ACP Award for a Distinguished Contribution by ACP National or Chapter Staff

*John Derrickson*  
Ocean City, New Jersey

#### Steven E. Weinberger Award for Physician Executives/Leaders

*D. Craig Brater, MD, MACP*  
Indianapolis, Indiana

#### Elizabeth and Emily Blackwell Award for Outstanding Contributions to Advancing the Careers of Women in Medicine

*Jeanne M. Clark, MD, FACP*  
Baltimore, Maryland



## 2018-2019 Masters

*Robert L. Allison, MD, MACP*  
Fort Pierre, South Dakota

*Keith B. Armitage, MD, MACP*  
Cleveland Heights, Ohio

*John Zaven Ayanian, MD, MACP*  
Ann Arbor, Michigan

*Harriet A. Bering, MD, MACP*  
Lexington, Massachusetts

*David Blumenthal, MD, MACP*  
Brookline, Massachusetts

*Marie L. Borum, MD, EdD, MPH, MACP*  
Fairfax Station, Virginia

*Lewis E. Braverman, MD, MACP*  
Boston, Massachusetts

*Marie T. Brown, MD, MACP*  
Riverside, Illinois

*Patricia D. Brown, MD, MACP*  
Grosse Pointe Park, Michigan

*Helen Burstin, MD, MPH, MACP*  
Washington, District of Columbia

*James F. Bush, MD, MACP*  
Cheyenne, Wyoming

*Lynn M. Cleary, MD, MACP*  
Syracuse, New York

*Steven L. Cohn, MD, MACP*  
Miami Beach, Florida

*Ellen M. Cosgrove, MD, MACP*  
Las Vegas, Nevada

*John V. Cox, DO, MACP*  
Dallas, Texas

*Richard E. Deichmann Jr., MD, MACP*  
River Ridge, Louisiana

*Karen B. DeSalvo, MD, MPH, MSc, MACP*  
Jefferson, Louisiana

*Charlene M. Dewey, MD, MEd., MACP*  
Nashville, Tennessee

*Andrew S. Dunn, MD, MPH, SFHM, MACP*  
Montebello, New York

*Donald Echenberg, MD, MACP*  
Sherbrooke, Quebec, Canada

*Linda S. Efferen, MD, MACP*  
Dix Hills, New York

*Roberto Esguerra, MD, MACP*  
Bogota, Colombia

*George D. Everett, MD, MACP*  
Casselberry, Florida

*S. Clark Fincher, MD, MACP*  
Searcy, Arkansas

*Thomas E. Finucane, MD, MACP*  
Bookline, Massachusetts

*Bruce D. Fisher, MD, MACP*  
Edison, New Jersey

*Gordon L. Fung, MD, MACP*  
San Francisco, California

*Gregory C. Gardner, MD, MACP*  
Seattle, Washington

*Ray H. Hall Jr., MD, MACP*  
Jonesboro, Arkansas

*Walid M. Hassan, MBBCh, MACP*  
Jeddah, Saudi Arabia

*Michael M. Hawkins, MD, MACP*  
Meggett, South Carolina

*Jairo T. Hidal, MD, MACP*  
Sao Paulo, Brazil

*Carrie A. Horwitch, MD, MPH, MACP*  
Seattle, Washington

*Quazi Tarikul Islam, MBBS, MACP*  
Dhaka, Bangladesh

*David A. Johnson, MD, MACG,  
FASGE, MACP*  
Norkolk, Virginia

*Daniel W. Jones, MD, MACP*  
Jackson, Mississippi

*Gregory C. Kane, MD, MACP*  
Philadelphia, Pennsylvania

*John C. LaRosa, MD, MACP*  
Brooklyn, New York

*Lia S. Logio, MD, MACP*  
Philadelphia, Pennsylvania

*Robert H. Lohr, MD, MACP*  
Rochester, Minnesota

*Ana María López, MD, MPH, MACP*  
Philadelphia, Pennsylvania

*Germán E. Malaret, MD, MACP*  
San Juan, Puerto Rico

*Ernest D. Moritz, MD, MACP*  
New Haven, Connecticut

*Stuart B. Mushlin, MD, MACP*  
Longboat Key, Florida

*Robert J. Nardino, MD, MACP*  
Madison, Connecticut

*James S. Newman, MD, MACP*  
Rochester, Minnesota

*Robert C. Pendleton, MD, MACP*  
Draper, Utah

*John R. Pierce Jr., MD, MACP*  
Lakewood, Colorado

*Michael P. Pignone, MD, MPH, MACP*  
Austin, Texas

*Joel H. Popkin, MD, MACP*  
Shrewsbury, Massachusetts

*Orlando Quesada-Vargas, MD, MACP*  
San Jose, Costa Rica

*COL Rechell G. Rodriguez, MD, MACP*  
San Diego, California

*Maher A. Roman, MD, MBA, MACP*  
Loma Linda, California

*Donna P. Seminara, MD, MACP*  
Staten Island, New York

*Joseph I. Shapiro, MD, MACP*  
Huntington, West Virginia

*Robert S. Urban, MD, MACP*  
Amarillo, Texas

*Andrew J. Varney, MD, MACP*  
Springfield, Illinois

*Soma Wali, MD, MACP*  
Porter Ranch, California

*John Alfred Walker, MD, MACP*  
Mystic, Connecticut

*Jeffrey G. Wiese, MD, MACP*  
New Orleans, Louisiana

*Joyce E. Wipf, MD, MACP*  
Edmonds, Washington



### Wednesday, April 10

#### **Annals of Internal Medicine: "On Being a Doctor" Story Slam**

5:30-7:30 p.m. • HQ, Liberty Ballroom

*Open to all attendees. Tickets required: RSVP event with cash bar and light hors d'oeuvres.*

For more than two decades, *Annals of Internal Medicine* has published personal essays by physicians in a series called "On Being a Doctor." Building on this popular series, *Annals* developed the "On Being a Doctor" Story Slam ([annals.org/storyslam](http://annals.org/storyslam)). Story slams are events that celebrate storytelling by inviting participants to verbally share brief stories with an audience. Sharing stories reminds us what is special about our profession—storytellers and listeners alike find the Story Slams rejuvenating. Join us for an evening of storytelling during Internal Medicine Meeting 2019. Ten of your colleagues will share stories that are sure to provoke thought and inspire you. This event is not designated for CME credit.



### Thursday, April 11

#### **Opening Ceremony and Keynote Speaker**

9:30-10:30 a.m. CC, Hall B

*Open to all attendees. No tickets required.*

This year's Opening Ceremony will feature keynote speaker Vice Admiral Vivek Murthy, MD, MBA, who served as the 19th Surgeon General of the United States from 2014 to 2017. During his time as Surgeon General, Dr. Murthy helped address critical public health issues, including the Ebola outbreak, Zika virus, low rates of physical activity, and the explosion in e-cigarette use among youth.

Dr. Murthy will join ACP Executive Vice President and Chief Executive Officer Darilyn V. Moyer, MD, FACP for a question-and-answer session.

We hope to see you there!

See pages 74-75 for a complete list of leaders of major domestic medical organizations who were invited to attend the Opening Ceremony as our guests.

#### **Volunteerism Networking Luncheon**

12:45 -2:15 p.m. • CC, Room 123

*Reservations required.*

This luncheon provides an opportunity for physicians to share plans, experiences, and information about medical volunteer work both in the U.S. and abroad. Experienced volunteers and those who are considering to volunteer are all welcome.

#### **International Reception**

8:00-9:30 p.m. • HQ, Salon H

This reception is open to all international attendees and their guests, as well as other attendees who are interested in meeting with leaders from ACP and internal medicine societies from around the world.



### Friday, April 12

#### **Clinical Skills Center Open House**

7:00-7:45 a.m. • CC, Hall C

Stop by for complimentary coffee and an opportunity to meet the faculty and to experience all that the Clinical Skills Center has to offer. Participate in a scavenger hunt and a putting contest for a chance to win fantastic prizes, such as a free copy of the new MKSAP® 18 or an ACP gift card.

#### **Legend**

**CC** Pennsylvania Convention Center

**HQ** Philadelphia Marriott Downtown (Headquarter Hotel)





## International Forum

9:00–11:00 a.m. • HQ, Salon G

*Reservations required.*

The Thirteenth Annual ACP International Forum will provide an opportunity for leaders of internal medicine societies from ACP and around the world to have a discussion on the topic of **Global Experiences and Initiatives to Promote Physician Well-Being**. A moderator will lead a panel of physicians in commenting on key questions, followed by a discussion with other attendees. The Forum is open to attendees; however, space is limited.



## Networking Luncheon for Women Physicians

1:00–2:00 p.m. • HQ, Salon H

This event is designed for post-training women physicians from all career paths as an opportunity to share experiences, meet new friends, and discuss common concerns.



Saturday, April 13

## Hackathon–MIT Hacking Medicine at ACP Internal Medicine Meeting 2019

8:00 a.m.–Noon • CC, Hall C



ACP is partnering with MIT's renowned Hacking Medicine program to bring a 4-hour Hackathon to Internal Medicine Meeting 2019. Forward-thinking health professionals, engineers, designers, developers, and technologists will build teams to develop interdisciplinary hacks (solutions) to improve clinician workflows.

*Note: Prior registration was required in advance of the meeting. No walk-ins permitted.*

[annualmeeting.acponline.org/hackathon](http://annualmeeting.acponline.org/hackathon)

## ACP Innovation Challenge 2019: Fostering Partnerships between Physicians and Patients

10:30 a.m.–Noon • CC, Innovation Theater 2

Come and witness this live competition focused on innovative ideas to transform internal medicine. Selected finalists present their ideas to a panel of judges who award prize money totaling \$25,000 to implement their best and brightest ideas. Vote for your favorite finalist at this fun, high-stakes, interactive competition and see who has what it takes to transform health care! (This event is not designated for CME credit.)

## Annual Business Meeting and Town Hall

12:45–1:45 p.m. • CC, Room 108

*Open to all attendees. No tickets required.*

All ACP members are encouraged to attend. Incoming Officers, new Regents, and first-year Governors will be introduced. The Treasurer and EVP/CEO will report on the College's current status and priorities.

## Legend

**CC** Pennsylvania Convention Center

**HQ** Philadelphia Marriott Downtown (Headquarter Hotel)

**The American College of Physicians invited the following leaders of major domestic medical organizations to attend the Opening Ceremony as our guests:**

Thomsa J. Nasca, MD, MACP, *CEO*  
Accreditation Council for Graduate Medical Education

D. Craig Brater, MD, MACP, *President*  
Alliance for Academic Internal Medicine

Robert A. Wood, MD, MS, FAAAAI, *President*  
Bryan L. Martin, DO, FAAAAI, *Past President*  
American Academy of Allergy, Asthma and Immunology

Ralph L. Sacco, MD, MS, FAHA, FAAN, *President*  
American Academy of Neurology

Jonathan E. Sobel, DMSc, MBA, PA-C, DFAAPA, FAPACVS, *President*  
American Academy of Physician Assistants

Michael W. Fried, MD, FAASLD, *President*  
American Association for the Study of Liver Diseases

Daniel L. Hurley, MD, FACE, *President*  
American Association of Clinical Endocrinologists

Joyce Marth Knestrick, PhD, APRN, CFNP, FAANP, *President*  
American Association of Nurse Practitioners

Naresh Parikh, MD, *President*  
American Association of Physicians of Indian Origin

Patricia M. Conolly, MD, *Chair*  
Richard J. Baron, MD, MACP, *President and CEO*  
American Board of Internal Medicine

Todd A. Mahr, MD, FAAP, FAAAAI, FAAAAI, *President*  
American College of Allergy, Asthma and Immunology

Richard J. Kovacs, MD, FACC, *President*  
American College of Cardiology

Clayton T. Cowl, MD, FCCP, *President*  
American College of Chest Physicians

Sunanda V. Kane, MD, MSPH, FACG, *President*  
American College of Gastroenterology

Annette T. Carron, DO, FACOI, *President*  
American College of Osteopathic Internists

Paula Marchetta, MD, MBA, *President*  
American College of Rheumatology

David A. Lieberman, MD, AGAF, *President*  
American Gastroenterological Association

Laurie Jacobs, MD, FACP, AGSF, *President*  
American Geriatrics Society

Barbara McAneny, MD, MACP, *President*  
James L. Madara, MD, *Executive Vice President*  
American Medical Association

Douglas B. Fridsma, MD, PhD, *President*  
American Medical Informatics Association

Chad Asplund, MD, MPH, *President*  
American Medical Society for Sports Medicine

Roberta E. Gebhard, DO, *President*  
American Medical Women's Association

Robert Juhasz, DO, FACOI, FACP, *Past President*  
William Mayo, DO, *President*  
American Osteopathic Association

Brad Tice, PharmD, MBA, FAPhA, *President*  
American Pharmacists Association

Sharon L. Dunn, PT, PhD, OCS, *President*  
American Physical Therapy Association

Georges Benjamin, *Executive Vice President*  
American Public Health Association

Dan Hartman, MD, *President*  
American Society for Clinical Pharmacology and Therapeutics

Karen L. Woods, MD, FASGE, *President*  
American Society for Gastrointestinal Endoscopy

Navneet S. Majhail, MBBS, MD, MS, *President*  
American Society of Blood and Marrow Transplant

Monica M. Bertagnolli, MD, FACS, FASCO, *President*  
American Society of Clinical Oncology

Roy L. Silverstein, MD, *President*  
American Society of Hematology

Mark E. Rosenberg, MD, FASN, *President*  
American Society of Nephrology

Polly E. Parsons, MD, *President*  
Lynn Schnapp, MD, *Secretary-Treasurer*  
American Thoracic Society

Darrell G. Kirch, MD, *Executive Vice President*  
Association of American Medical Colleges

Nancy J. Brown, MD, *President*  
Association of Professors of Medicine

Donna J. Astiz, MD, *President*  
Association of Program Directors in Internal Medicine

Kevin M. McKown, MD, *President*  
Association of Subspecialty Professors

Shobhina G. Chheda, MD, MPH, *President*  
Clerkship Directors in Internal Medicine

David Hoyt, MD, *President*  
Helen Burstin, MD, MPH, MACP, *Executive Vice President and CEO*  
Council of Medical Specialty Societies

Susan J. Mandel, MD, MPH, *President*  
Ann Danoff, MD, *Council Member*  
The Endocrine Society

Humayun J. Chaudhry, DO, MS, MACP, FACOI, *President*  
Patricia A. King, MD, PhD, FACP, *Chair*  
Federation of State Medical Boards



S. Michal Jazwinski, PhD, *President*  
The Gerontological Society of America

Clyde J. Behney, *Executive Vice President*  
Health and Medicine Division of the National Academies

Cynthia L. Sears, MD, FIDSA, *President*  
Infectious Diseases Society of America

Beverley H. Johnson, *President*  
Institute for Patient- and Family-Centered Care

Mark R. Chassin, MD, FACP, MPP, MPH, *Executive Vice President*  
The Joint Commission

Peter Katsufakis, MD, MBA, *President*  
Miguel Arturo Paniagua, MD FACP, *Medical Advisor*  
National Board of Medical Examiners

Elena V. Rios, MD, MSPH, *President*  
National Hispanic Medical Association

Niva Lubin-Johnson, MD, *President*  
National Medical Association

Debra L. Ness, *President*  
National Partnership for Women & Families

Jeffrey A. Perlmutter, MD, *President*  
Renal Physicians Association

Maria Trent, MD, MPH, *President*  
Society for Adolescent Medicine

Uwe Siebert, MD, MPH, MSc, ScD, *President*  
Society for Medical Decision Making

Jerry J. Zimmerman, MD, PhD, FCCM, *President*  
Society of Critical Care Medicine

Giselle Corbie-Smith, MD, MSc, *President*  
Society of General Internal Medicine

Nasim Afsar, MD, SFHM, *President*  
Society of Hospital Medicine

Lia S. Logio, MD, MACP, *Chair*  
Daniel V. Schidlow, MD, *Dean*  
Drexel University College of Medicine

Margrit M. Shoemaker, MD, FACP, *Chair*  
Steven J. Scheinman, MD, *Dean*  
Geisinger Commonwealth School of Medicine

John Ferretti, DO, *Chair*  
Silvia M. Ferretti, DO, *Dean*  
Lake Erie College of Osteopathic Medicine-Erie

Justin P. Psaila, MD, *Chair*  
Larry R. Kaiser, MD, FACS, *Dean*  
Lewis Katz School of Medicine at Temple University

Thomas Y. Ma, MD, PhD, *Chair*  
A. Craig Hillemeier, MD, *Dean*  
Penn State University College of Medicine

Pat Lannutti, DO, *Chair*  
Kenneth Veit, DO, MBA, FACOPF, *Dean*  
Philadelphia College of Osteopathic Medicine

Michael S. Parmacek, MD, FACP, *Chair*  
J. Larry Jameson, MD, PhD, MACP, *Dean*  
Raymond & Ruth Perelman School of Medicine at the  
University of Pennsylvania

Thomas F. Morley, DO, FCCP, FACOI, FAASM, *Chair*  
Thomas A. Cavalieri, DO, MACOI, FACP, *Dean*  
Rowan University School of Osteopathic Medicine

Marc Klapholz, MD, FACC, *Chair*  
Robert L. Johnson, MD, FAAP, *Dean*  
Rutgers-New Jersey Medical School

Fredric E. Wondisford, MD, *Chair*  
Sherine E. Gabriel, MD, MSc, *Dean*  
Rutgers-Robert Wood Johnson Medical School

Mark T. Gladwin, MD, FACP, *Chair*  
Arthur S. Levine, MD, *Dean*  
University of Pittsburgh School of Medicine



## Internal Medicine Meeting 2019 Receptions

Many ACP governors have organized chapter or regional receptions devoted to their memberships and alumni associations. Some ACP governors are sponsoring joint events with one or more chapters. Please be advised that this reception list is accurate as of time of printing. Changes and cancellations after printing are common. Please check your invitations to verify the reception time, date, and location.

### Thursday, April 11

**Florida and Georgia Chapters Reception**—8:00-9:30 p.m., Philadelphia Marriott Downtown, Franklin 1-2.

**Illinois Chapter Reception**—8:00-10:00 p.m., Time Restaurant, 1315 Sansom Street, Philadelphia.

**International Reception**—8:00-9:30 p.m., Philadelphia Marriott Downtown, Salon H.

**Iowa Chapter Social**—6:30-8:00 p.m., Philadelphia Marriott Downtown, Room 410.

**DC, Delaware, Maryland, & Virginia Chapters Reception**—8:15-10:15 p.m., Ocean City Restaurant, 234-236 N. 9th Street, Philadelphia.

**New Jersey and Connecticut Chapters Reception**—8:00-9:30 p.m., Philadelphia Marriott Downtown, Franklin 10.

**New York Chapter ACP and Joint Medical Schools Reception**—8:00-10:00 p.m., Philadelphia Marriott Downtown, Franklin 11-13.

**Puerto Rico Chapter Reception**—8:00-10:00 p.m., Philadelphia Marriott Downtown, Franklin 9.

**Roll Signing for New Fellow of the Royal College of Physicians of Edinburgh (RCPE)**—8:00-9:00 p.m., Philadelphia Marriott Downtown, Room 405.

**St. George's University School of Medicine Alumni Association Alumni Reception**—8:00-9:30 p.m., Philadelphia Marriott Downtown, Franklin 3-4.

**Wisconsin Chapter Reception**—8:00-10:30 p.m., Volvér Restaurant, 300 S. Broad St., Philadelphia.

### Friday, April 12

**African American Physicians Reception**—6:00-7:30 p.m., Philadelphia Marriott Downtown, Franklin 11-12.

**Alabama, Arkansas, Louisiana, and Mississippi Chapters Reception**—5:30-6:30 p.m., Philadelphia Marriott Downtown, Salon I.

**Brazil Chapter Reception**—6:00-8:00 p.m., Philadelphia Marriott Downtown, Franklin 10.

**California, Hawaii, and Arizona Chapters Reception**—6:00-8:00 p.m., Philadelphia Marriott Downtown, Salon H.

**Canadian Chapters Reception**—6:00-8:00 p.m., Field House Sports Bar, 1150 Filbert Street, Philadelphia.

**Indiana Chapter Reception**—5:30-7:30 p.m., Con Murphy's, 1700 Ben Franklin Parkway, Philadelphia.

**Japan Chapter Reception**—6:00-8:00 p.m., Philadelphia Marriott Downtown, Franklin 1.

**Kansas Chapter Reception**—6:30-8:30 p.m., Philadelphia Marriott Downtown, Rooms 411-412.

**Med-Peds Reception**—6:00-7:00 p.m., Philadelphia Marriott Downtown, Franklin 13.

**Massachusetts and Michigan Chapters Reception**—6:00-7:30 p.m., Philadelphia Marriott Downtown, Franklin 8-9.

**Minnesota-ACP and Mayo Clinic Alumni Association Reception**—6:00-7:15 p.m., Philadelphia Marriott Downtown, Franklin 2.

**Missouri Chapter Reception**—5:30-7:00 p.m., Time Restaurant, 1315 Sansom Street, Philadelphia.

**Nevada Chapter Reception**—6:00-7:00 p.m., Philadelphia Marriott Downtown, Rooms 407-408.

**Northwest Regional Reception: Alaska, Montana, Oregon, Utah, and Washington**—6:00-8:00 p.m., Field House Sports Bar, 1150 Filbert Street, Philadelphia.

**Ohio, Air Force, Army, and Navy Chapters Reception**—6:00-7:30 p.m., Philadelphia Marriott Downtown, Salons JK.

**Oklahoma Chapter Reception**—6:30-8:30 p.m., Spirit of Philadelphia Cruise, 401 S Christopher Columbus Blvd, Philadelphia.

**Pennsylvania Chapter Reception**—7:00-9:00 p.m., McCormick and Schmick's, 1 South Broad Street, Philadelphia.

**Ross University School of Medicine Alumni Reception**—6:00-8:00 p.m., Maggiano's Little Italy, 1201 Filbert Street, Philadelphia.

**Tennessee and North Carolina Chapters Reception**—6:00-7:00 p.m., Philadelphia Marriott Downtown, Franklin 5-6.

**Texas Chapter Reception**—6:00-8:00 p.m., Philadelphia, see meeting app for updated location details.

**UMASS Medical School Alumni, Faculty & Friends, Reception**—6:00-8:00 p.m., Philadelphia Marriott Downtown, Salon L.

**West Virginia Chapter & Alumni Social Hour**—5:00-7:00 p.m., Hard Rock Café Bar, 1113 Market Street #31, Philadelphia.

### Legend

**CC** Pennsylvania Convention Center

**HQ** Philadelphia Marriott Downtown (Headquarter Hotel)



## Thursday, Friday, and Saturday

### Medical Student and Resident/Fellow Member Welcome Centers

CC, Hall DE

Thursday • 10:00 a.m.–4:30 p.m.

Friday • 10:00 a.m.–4:30 p.m.

Saturday • 10:00 a.m.–2:30 p.m.

Are you attending the Internal Medicine Meeting for the first time as a medical student or resident/fellow-in-training? Please stop by the Medical Student and Resident/ Fellow Member Welcome Center specifically for members-in-training. The Welcome Centers are located in Hall DE near the Posters Hospitality Area and will be open Thursday, April 11, through Saturday, April 13, during the hours of operation printed above. Representatives of the national Councils of Student Members and Resident/Fellow Members and ACP staff will be available to greet ACP members-in-training and provide information about programs and networking activities planned specifically for students and residents taking place throughout the meeting.

### ACP Doctor's Dilemma®

Thursday • 2:00–5:30 p.m.

Friday • 3:30–5:00 p.m.

HQ, Salons E & F

Saturday • 5:15–6:30 p.m. (Immediately following the Highlights session)

CC, Terrace I & II

Enjoy this fast-paced, Jeopardy-style program in which resident winners from local chapters test their knowledge of internal medicine.

### ACP Posters Area

Thursday–Saturday • CC, Hall DE

Finalists in the Early Career Physician, Resident/Fellow, and Medical Student Poster Competitions display their work in multiple poster sessions.

### ACP Posters Hospitality Area

Thursday–Saturday • CC, Hall DE

Relax with friends and colleagues while enjoying coffee and refreshments.

## Thursday, April 11

### Resident/Fellow Luncheon Forum: 2019 The Patient Said %!#\$# (What)?

12:45–2:15 p.m. • CC, Room 126

*Hosted by the ACP Council of Resident/Fellow Members.*

Do you ever find yourself involved in a nonclinical conversation that you are unsure how to handle? Has a patient or family member ever made you uncomfortable by making offensive or unsolicited comments in a clinical setting? The Council of Resident/Fellow Members invites you to an interactive, lively session where you can equip yourself with tools to navigate difficult conversations in the exam room. Complimentary boxed lunches will be available to the first 100 attendees.

### Early Career Physicians Networking Luncheon

12:45–2:15 p.m. • CC, Room 117

*Hosted by the ACP Council of Early Career Physicians.*

This luncheon provides the opportunity for doctors who have recently completed training to network with more experienced physicians, discuss common problems relating to medical practice today, and learn how to become active in the College and advance to Fellowship. Complimentary boxed lunches will be available to the first 100 attendees.

### Early Career Physicians Presentations

2:45–4:15 p.m. • CC, Room 117

Early Career Physician members who had the highest scoring abstracts in the Early Career Physician Abstract Competition and capstone projects as part of the Certificate in Physician Leadership will present their award-winning work. Refreshments are provided. Presentations are not designated for CME credit.

## Friday, April 12

### Resident/Fellow Abstract Luncheons

12:45–2:15 p.m. • CC, Rooms 123 & 124

Winners of the competition present their award-winning work in the Research and Clinical Vignette categories. Complimentary boxed lunches are provided. All winner and finalist abstracts will be available on our Web site. (Abstract presentations are not designated for CME credit.)

### International Medical Students Information Session

4:00–5:30 p.m. • CC, Room 117

Hosted by the Council of Student Members, this event will be facilitated by residency program directors and will address the questions and concerns of international medical students. Representatives from the Educational Commission for Foreign Medical Graduates (ECFMG) will also be available to offer advice to international medical students.



**Saturday, April 13**

## Medical Student Mentoring Breakfast

7:00–9:00 a.m. • HQ, Salon H

*Hosted by the ACP Council of Student Members.  
This is a ticketed event.*

Medical students are invited to gather with internist mentors to discuss career options in internal medicine. Students are encouraged to register for this event onsite at the Medical Student Welcome Center located in the Convention Center throughout the meeting.

## Medical Student Abstract Luncheon

11:00 a.m.–12:30 p.m. • CC, Room 124

Winners of the competition present their award-winning work in the Research and Clinical Vignette categories. Complimentary boxed lunches will be provided. All winner and finalist abstracts will be available on our Web site. (Abstract presentations are not designated for CME credit.)

## Recognition Reception for Young Achievers

6:30–7:30 p.m. • CC, Terrace Ballroom Foyer

Join us as we celebrate the winners of the Early Career Physician, Resident/Fellow Member, and Student Member Abstract Competitions; the 2019 ACP Doctor's Dilemma® winning team, and other national award winners.

## Council Members

The members of the Councils of Resident/Fellow Members (CRFM), Student Members (CSM), and Early Career Physicians (CECP) serve as representatives to the College and have planned courses and networking events on behalf of their respective constituents for Internal Medicine Meeting 2019. Many of these council representatives are attending the meeting and can be identified by a ribbon specific to their Council membership on their meeting badges. Please feel free to introduce yourself.

## 2018–19 Council of Early Career Physicians (CECP)

Danny Newman, MD, FACP, Augusta, GA, *Chair*  
Richard M. Wardrop III, MD, PhD, FAAP, FACP, Chapel Hill, NC, *Chair-elect*  
Maj. Tatjana Calvano, MC USA, FACP, San Antonio, TX  
Lt. Col. Joshua Hartzell, MD, FACP, Potomac, MD  
Tracey Henry, MD, MPH, MS, FACP, Powder Springs, GA  
Lacy Hobgood, MD, FACP, Winterville, NC  
Ryan Kraemer, MD, FACP, Homewood, AL  
Tiffany Leung, MD, MPH, FACP, Maastricht, Netherlands Antilles  
Joshua M. Liao, MD, FACP, Seattle, WA  
Avital Y. O'Glasser, MD, FACP, Portland, OR  
Mary Anderson Wallace, MD, FACP, Colorado Springs, CO

## 2018–19 Council of Resident/Fellow Members (CRFM)

Sarah G. Candler, MD, MPH, FACP, Houston, TX, *Chair*  
John Hunninghake, MD, Windcrest, TX, *Chair-elect*  
Lyle W. Baker, MD, Tulsa, OK  
Brian L. Block, MD, San Francisco, CA  
Zachary C. Junga, MD, Silver Spring, MD  
Rita K. Kuwahara, MD, MPH, Durham, NC  
Neena Mohan, MD, Philadelphia, PA  
Matthew T. Nelson, MD, Bethesda, MD  
Nathanial S. Nolan, MD, MPH, Columbia, MO  
Jacob Quinton, MD, MPH, New Haven, CT  
Jesse Richards, DO, Mission, KS  
Frederique St-Pierre, MD, Rochester, MN  
Grant A. Turner, MD, Omaha, NE  
Erica P. Turse, DO, MPH, Columbia, MO

## 2018–19 Council of Student Members (CSM)

Chelsea Cockburn, Richmond, VA, *Chair*  
Hanna Erickson, Champaign, IL, *Vice-Chair*  
Andrew N. Abboud, Pittsburgh, PA  
Steven X. Chen, Indianapolis, IN  
E. McAuley Fish, Goldsboro, NC  
Renato Guerrieri, Houston, TX  
Diana Jung, Kansas City, MO  
Brendan J. Kim, Elk Grove, CA  
Katelyn Madigan, Saint Paul, MN  
Kevin C. Miller, Rochester, MN  
Aleesha Shaik, Plainsboro, NJ  
Alexandria Valdrighi, Omaha, NE

# Routine HIV Screening. Every Patient.



## CDC recommends HIV screening for all patients ages 13-64

An estimated **1.1 million** people in the United States are living with HIV, and approximately **1 in 7** are unaware of their status and would benefit from treatment. Early detection and treatment means your patients can live longer, healthier lives and help prevent further HIV transmission.

For free materials to incorporate HIV screening into your practice, call 1-800-CDC-INFO or visit:

[www.cdc.gov/actagainstaids/hssc](http://www.cdc.gov/actagainstaids/hssc).



**HIV SCREENING. STANDARD CARE.™**



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## DynaMed Plus®



## Exhibit Hall DE—Learn, Engage, & Enjoy

The Exhibit Hall is the meeting's epicenter for the latest innovations, learning opportunities, and break-time activities. You'll find **over 200 exhibitors** demonstrating the latest in medical advances, educational resources, and job opportunities. It's also a great place to network and relax. With so much to see and do, you'll be glad you scheduled time in your day to enjoy the Exhibit Hall!

## Reasons to Spend Time in the Exhibit Hall

- **NEW! ACP Tech Hub, Booth #1467**—Tech Hub participants ranging from startups to established companies will share their innovations through presentations and hands-on demos. See pages 84-85 for the presentation schedule.
- **NEW! Headshots, Booth #1525**—Put your best face forward and enhance your profile page with a new complimentary professional headshot. You can quickly e-mail the photo to yourself as well as share on social media.
- **ACP Relaxation Station, Booth #973**—Unwind and enjoy a complimentary massage.
- **ACP Briefings**—Hear brief presentations from ACP staff and leadership on current medical issues. Consult the schedule on page 82 for details.
- Complimentary lunch on Thursday and Friday.
- Complimentary morning and afternoon refreshment breaks.
- See page 80 for even more reasons to visit the Exhibit Hall!

## Exhibit Hall Hours

Thursday, April 11	10:00 a.m.–4:30 p.m.
Friday, April 12	10:00 a.m.–4:30 p.m.
Saturday, April 13	10:00 a.m.–2:30 p.m.

**Parents, please note:** Children under 12 years of age must be accompanied by a registered attendee at all times in the Exhibit Hall. For safety reasons, strollers are not permitted.

## Scientific Program Break Schedule

### Thursday and Friday

Morning	10:30–11:15 a.m.
Lunch	12:45–2:15 p.m.
Afternoon	3:45–4:30 p.m.

### Saturday

Morning	10:30–11:15 a.m.
Lunch	12:45–2:15 p.m.

Visit [annualmeeting.acponline.org/ExhibitHall](http://annualmeeting.acponline.org/ExhibitHall) to view a directory of exhibitors, search for products, and see the Exhibit Hall floorplan. When you're in the Exhibit Hall, use the Onsite Industry Guide, Exhibit Xtra, and the meeting app to make sure you don't miss a thing.





### Explore, Learn, Socialize, and Relax

**ACP Resource Center, Booth #1339**—A broad array of ACP products and digital services are on hand for attendees to test drive and ask questions. See more information on page 81.

**Rest and Recharge Lounge, Booth #1157**—Take a few minutes to charge your devices and challenge your friends to a giant game of Operation.

**FACP/MACP Lounge, Booth #124**—For ACP Fellows and Masters only. The lounge includes computers, complimentary Wi-Fi access, and a comfortable place to meet with other Fellows and Masters or relax between activities.

**ACP Innovation Challenge 2019, Booth #671**—This live competition will feature finalists with the best and brightest ideas that have the potential to transform the practice of internal medicine on a national level. Winners will be selected and awarded prize money to support implementation/study of the idea. The competition will be in Innovation Theater 2 on Saturday, April 13 from 10:30 a.m.-12:00 p.m.

**Raffle Booth, Booth #1474**—Visit daily for a chance to win free registration to Internal Medicine Meeting 2020, gift certificates, College products, and more exciting prizes.

**ACP Posters Area, Hall DE**—Finalists in the Medical Student, Resident/Fellow, and Early Career Physicians Abstract Competitions display their work in multiple poster sessions Thursday through Saturday.

**Doctor's Challenge**—Participate in ACP's exciting, interactive challenge in which attendees visit exhibitors to answer a question on the challenge card. Submissions with all the correct answers are entered into several prize drawings. See page 86 for more details.

**Innovation Theaters, Booths #645, #671, #1083**—New medical innovations will be revealed at these informative lunch or snack-break discussions. See the Additional Learning Opportunities schedules on pages 87-92 for more information.

**Stop by the Exhibit Hall for complimentary lunch on Thursday and Friday and daily morning and afternoon refreshment breaks.**



Disclaimer: Exhibit Hall products and services are not the property of ACP nor does ACP endorse or have any control over such Exhibit Hall products or services. The presence of any exhibition at ACP's Internal Medicine Meeting 2019 does not imply an endorsement of any such product or service by ACP. By attending ACP's Internal Medicine Meeting 2019 and entering the Exhibit Hall, the registrants acknowledge, agree, and accept that ACP does not assume any responsibility as to the quality of Exhibit Hall products or services and, provided, further, ACP shall not be responsible for any review, investigation, or approval of any Exhibit Hall product or services, and has not reviewed, investigated, or otherwise approved the quality, type, message, nature, or value of any product or service presented in the Exhibit Hall. Attendees are encouraged to, and are responsible for, performing their own independent review, investigation, and analysis of the Exhibit Hall products or services. ACP wholly, entirely, and without any exception disclaims any and all liability for any damages to any person or property arising out of or relating to any product or service presented in the Exhibit Hall as part of ACP's Internal Medicine Meeting 2019.





See the latest digital offerings from ACP, all of which are designed to meet your needs from any and all of your many devices. Stop by the Digital Products area of the ACP Resource Center, Booth #1339 in the center of the Exhibit Hall to test drive programs and speak with members of our technology team to learn more.

### WEB SITES

- **ACPOnline.org**, featuring:
  - **MyACP**, your personalized portal to all-things ACP
  - **ACP Online Learning Center**, your one-stop shop for hundreds of online learning activities
  - **Member Forums**, to connect with your ACP colleagues
- **Annals.org**, featuring a plethora of online-only content and resources
- **ACP Clinical Search**, a comprehensive search across all ACP clinical resources
- **ACPInternist.org** (and Internist Weekly)
- **ACPHospitalist.org** (and Hospitalist Weekly)

### CLINICAL DECISION SUPPORT

- ACP JournalWise—**JournalWise.org**
- DynaMed Plus—**acponline.org/dynamedplus**

### EDUCATIONAL RESOURCES

- MKSAP® 18 Digital—**mksap18.acponline.org**
- ACP Online Learning Center—**acponline.org/learning**
- Annals Virtual Patients—**vp.annals.org** (now available on an all-new mobile-optimized platform)

### PRACTICE RESOURCES

- ACP Practice Advisor—**practiceadvisor.org**
- Patient Education Center—**acponline.org/patients**
- Physician and Practice Timeline—**acponline.org/timeline**
- Quality Improvement Programs and the Genesis Registry—**acponline.org/qi**

### MOBILE APPS

*Note that all of the above products are optimized for mobile devices, but we additionally offer many native apps for iOS (Apple) and Android (Google):*

- MKSAP 18 and MKSAP 18 Flashcards Apps
- *Annals of Internal Medicine* App
- ACP Clinical Guidelines App
- ACP Meetings App (including this Internal Medicine Meeting 2019)
- DynaMed Plus App





## ACP Resource Center Briefings Theater Schedule

Hear brief presentations to answer common questions  
and learn about key offerings from ACP.

ACP Resource Center • Exhibit Hall, Booth #1339

### Thursday

#### Morning Break

- 10:30-10:40 • ACP MOC Resources
- 10:50-11:00 • Maximize Your MIPS Score in 2019  
(Merit-Based Incentive Payment System)
- 11:00-11:10 • The Changing Landscape of APMs in 2019  
(Alternative Payment Model)

#### Lunch Break

- 1:00-1:20 • How to Achieve ACP Fellowship
- 1:20-1:30 • Never Miss Articles Important to You with  
ACP JournalWise, a Free Member Benefit
- 1:30-1:40 • ACP's Women in Medicine Program Update

#### Afternoon Break

- 3:50-4:00 • ACP MOC Resources
- 4:00-4:10 • IM Well: How ACP Supports Physician Well-Being  
and Professional Satisfaction
- 4:10-4:20 • How to Succeed and Engage in Quality  
Improvement Initiatives

### Friday

#### Morning Break

- 10:30-10:50 • ACP MOC Resources
- 10:50-11:00 • Never Miss Articles Important to You with  
ACP JournalWise, a Free Member Benefit
- 11:00-11:10 • ACP's Women in Medicine Program Update

#### Lunch Break

- 1:00-1:20 • How to Achieve ACP Fellowship
- 1:20-1:30 • The Changing Landscape of APMs in 2019  
(Alternative Payment Model)
- 1:30-1:40 • Hot Topics in Hospital Medicine from  
*ACP Hospitalist*

#### Afternoon Break

- 3:50-4:00 • ACP MOC Resources
- 4:00-4:10 • Maximize Your MIPS Score in 2019 (Merit-Based  
Incentive Payment System)
- 4:10-4:20 • IM Well: How ACP Supports Physician Well-Being  
and Professional Satisfaction
- 4:20-4:30 • How to Succeed and Engage in Quality  
Improvement Initiatives

### Saturday

#### Morning Break

- 10:30-10:40 • IM Well—ACP Resources For Physician  
Well-Being & Professional Satisfaction
- 10:40-10:50 • Hot Topics in Hospital Medicine from  
*ACP Hospitalist*



## ACP Job Placement Center—For Job Seekers and Employers


A Must-See While in Philadelphia, PA  
Exhibit Hall, Booth #618

- Submit a physician profile and/or CV and have it distributed to participating employers. There is no charge for this service.
- Submit job postings for openings in your organization.\*
- View a multitude of job postings nationwide (also available electronically for your convenience).
- Register for two free, valuable services\*\*: CV Review and Consultation Service  
Navigating the J1 Waiver Job Search.
- Meet with potential employers or employees.
- Register with ACP's Career Connection for online job search.

### 2019 ACP Job Placement Center Premium Sponsors

 **CALIFORNIA CORRECTIONAL  
HEALTH CARE SERVICES**  
Booth #1152

 **CHS** Community  
Health Systems  
Booth #925

 **Envision**  
PHYSICIAN SERVICES  
Booth #908

**TEAMHealth**  
Booth #1210

 **TOWER HEALTH**  
Advancing Health. Transforming Lives.  
Booth #820

 **vituity**  
Booth #924



\* Must be a physician attending Internal Medicine Meeting 2019, ACP Job Placement Center Sponsor, or exhibitor.

\*\* Limited availability—appointment required. See a Job Placement Center representative or e-mail [jobplacementcenter@acponline.org](mailto:jobplacementcenter@acponline.org) to reserve a spot.



# EXPLORE THE FUTURE OF MEDICINE

**PRESENTATION SCHEDULE •  
EXHIBIT HALL, BOOTH #1467**



Digital Health and other emerging technologies are changing medicine. Tech Hub participants ranging from startups to established companies will share their innovations through presentations and hands-on demos. Presentations on entrepreneurship in medicine will also be offered.

**Check the meeting app and onsite signs for additions to this schedule.**

## Thursday

### 10:45 a.m. • Entrepreneurship: Protecting Your Idea

One of the first steps in the development process should be protecting your idea. Learn about patents, copyrights, trademarks, and design

- What is patentable?
- How to protect your idea
- Is your idea original?

### 1:00 p.m. • First of its Kind: AI Diagnostics for the Real World

Point of care diabetic retinopathy testing is here today with IDx-DR, the first autonomous AI system ever cleared by the FDA. Learn how to:

- Move a specialist diagnostic into the front lines of care
- Increase diabetic testing adherence
- Distinguish medical grade AI from the hype

### 1:15 p.m. • Entrepreneurship: Structuring a Business

Explore the key steps, structures, pitfalls and resources available to move from idea to a viable business

- Building the right team
- Finding the right partners
- Laying the groundwork to add value to your company for acquisition
- Product Development

### 3:45 p.m. • How to Finance a Startup

Getting your idea from napkin to customer has a number of steps and each step takes money. Understand the various sources of capital available to you and the pros and cons of each.

- Sources of capital
- Where to find them
- The "Give and Take" of each

### 4:00 p.m. • The Future of Skin Assessment and Artificial Intelligence in Primary Care

Skin—both the body's most visible organ and the site of its most diverse pathology. Skin lesions worry patients and can be subtle and difficult to assess in the office. Primary health care, more than ever before, is being asked to play a significant role in skin lesion assessment as dermatologists are stretched by demand. Artificial intelligence has huge potential to change the way you think about managing skin lesions in practice. The future brings accurate, instantaneous, handheld assessment into your rooms to give you confidence in your diagnosis.



## Friday

### 11:00 a.m. • Early Stage Innovation: How Physicians Participate

There are several integral roles that a physician can have in developing, supporting and advancing emerging technologies.

- Roles and responsibilities—Creator, Advisor, Chief Medical Officer, Board Member, etc.
- Measuring physician value in participating
- Capitalizing on your value

### 1:00 p.m. • Environmental Factors of Healthcare Innovation

Understanding the environment surrounding the healthcare market that your emerging technology serves is vital in determining its viability, value and market potential. These environmental factors should influence how you develop, evaluate, advise, test or invest.

- Economics, Efficiency and Outcomes
- Factoring in reimbursement
- Hospital/Health System decision making
- Path to commercialization or acquisition

### 1:30 p.m. • What is Digital Medicine and How Can it Help Patients?

Explore how digital medicines are empowering patients and connecting them closely with physicians to enable better treatment decisions, and ultimately improved clinical outcomes.

- Challenge of Medication Adherence
- Technological Advancement—Ingestible Sensor, Wearable Sensor, Mobile App, EMR Portal providing more complete picture of patients' health
- Clinical trial and real world results
- Patient and Provider case studies
- Outcomes-based payment model

### 3:45 p.m. • Forecasting Changes In Health Care

The healthcare landscape continues to transition from analog to digital. Innovations spring forward almost every day, aiding the actions of healthcare professionals and patients alike.

Learn how to:

- Arm yourself with the right information to stay ahead of the changing healthcare landscape
- Lead the charge to affect change instead of having change thrust upon you
- Give a voice back to the physician to lead and improve healthcare

## Supporting Companies:



Abbott Diabetes Care



Skyscape

## Participating Companies:



ANGELMD

AngelMD



DermaSensor

DermaSensor



IDx



Proteus Digital Health

## Startups:

Visualmed





## Additional Learning Opportunities

### Innovation Theaters\*

Held during lunch and snack breaks, these informative discussions offer insight on the latest clinical information as it pertains to a specific disease state. Seating for these events is limited and available on a first-come, first-served basis. *No CME credit is provided for these discussions.*

### Industry-Supported Symposia\*

Symposia presented at the meeting provide additional learning opportunities. These insightful lunch or dinner sessions are held in the Convention Center or at nearby hotels and provide a well-rounded educational experience. Preregistration is recommended; walk-ins are welcome as space permits.

The Additional Learning Opportunities schedules are listed on pages 87-92. For the most up-to-date listings, please review the Onsite Industry Guide or use the meeting app for full details.

\*Industry-Supported Symposia and Innovation Theaters are independently organized and are not an official part of the Internal Medicine Meeting 2019 education program. For symposia offering Category 1 CME credit, CME is provided by organizations other than ACP.

**Win a \$100 Amazon gift card, complimentary registration to Internal Medicine Meeting 2020, and other valuable prizes!**

### The Doctor's Challenge

The Doctor's Challenge provides an opportunity to discover the latest innovative products, services, career opportunities, and developments in medical technology. **Look for the Challenge card in your tote bag or participate online via the meeting app.**

### Participating Exhibitors

Arbor Pharmaceuticals, LLC • Booth #1524

NEJM Group • Booth #1017

Sanofi Pasteur • Booth #1367

Tower Health • Booth #820

VISTA Staffing Solutions, Inc. • Booth #1057





### Grab a Bite and Get Informed at the Innovation Theaters

Exhibit Hall, Booths #645, #671, and #1083

Don't miss out on participating in a non-CME informative lunch or snack break discussion about the latest clinical information as it relates to a specific disease state.

#### Thursday, April 11 • Morning Break

##### A Roadmap for Addressing Social Determinants of Health in a Practice Setting

Supported by Humana

10:30-11:15 a.m., Booth #645

This panel, moderated by leading population health advocates, will discuss different methods to assess and address social determinants of health. Hear a variety of perspectives for tackling food insecurity, loneliness, social isolation and transportation, among others.

Kim Prendergast, RD, MPP (Panelist)

Feeding America

Anne Boland Docimo, MD, MBA (Panelist)

UCHealth

Andrew Schutzbank, MD, MPH (Panelist)

Iora Health

Zeev Neuwirth, MD (Moderator)

Atrium Health

##### New CGM Proven to Reduce HbA1c: FreeStyle Libre 14 Day System

Supported by Abbott Diabetes Care

10:30-11:15 a.m., Booth #1083

Join us to learn about the #1 CGM worldwide used by more than 1.3 million people<sup>†</sup>, FreeStyle Libre 14 day system. Barbara Hirsch, MD, MS, FACE—a practicing endocrinologist for 30+ years—will share how FreeStyle Libre 14 day system helps her patients significantly reduce their HbA1c and manage their diabetes.

<sup>†</sup>Data on file: Abbott Diabetes Care.

Barbara Hirsch, MD, MS, FACE

New Hyde Park, NY

#### Thursday, April 11 • Lunch

##### Jardiance® (empagliflozin) Tablets: Data from the Comprehensive Clinical Development Program

Supported by Boehringer Ingelheim Pharmaceuticals, Inc./ Lilly USA

1:00-1:45 p.m., Booth #645

This program will discuss recent data from the ongoing JARDIANCE clinical development program. The presentation will cover efficacy and safety data, as well as the dosing information for JARDIANCE. Attendees will also have the opportunity to ask the faculty questions about the data presented.

Todd C. Villines, MD, FACC, FAHA, FSCCT

Washington, DC

##### Expert Conversations in Heart Failure: Practical Approaches for Primary Care and Hospitalists\*

Supported by Novartis Pharmaceuticals Corporation

1:00-1:45 p.m., Booth #671

Heart failure (HF) is a complex syndrome that often leads to hospitalization. This program will discuss the role of PCPs and hospitalists in HF management, review the impact of HF hospitalization on patient outcomes and quality of life, and provide insights on transitions of care and guideline-directed medical therapy.

This program is sponsored by Novartis Pharmaceuticals Corporation, and the faculty will be compensated for their time.

##### Implementing Shingrix (Zoster Vaccine Recombinant, Adjuvanted)

Supported by GlaxoSmithKline

1:00-1:45 p.m., Booth #1083

Learn the proper implementation of SHINGRIX within a practice. This session will include a shingles overview, the clinical profile of SHINGRIX, implementing SHINGRIX, and counseling tips about SHINGRIX for your patients.

Jeffrey Stoddard, MD

Philadelphia, PA

\*Session title, presenter, or description not available at time of printing. Please view the Internal Medicine Meeting 2019 app for updated schedule information. Select the Schedules icon, and then click on Innovation Theaters for updated schedule.



## Additional Learning Opportunities

### Thursday, April 11 • Afternoon Break

#### Improving Outcomes for Hospitalized Patients with HFrEF: Looking Beyond Stabilization\*

Supported by Novartis Pharmaceuticals Corporation

3:45-4:30 p.m., Booth #645

### Friday, April 12 • Morning Break

#### Lower Together: LDL-C, Risk, Hassle, Cost

Supported by Amgen

10:30-11:15 a.m., Booth #645

Join Dr. Michael J. Bloch for an educational presentation on the treatment of very high risk patients described in the 2018 ACC/AHA Guidelines on the Management of Blood Cholesterol. Hear about his experience and the treatment options available for appropriate patients.

Michael J. Bloch, MD, FACP, FASH, FSVM, FNLA  
Reno, NV

#### An HIV Prevention Medication: Reducing the Risk of Acquiring HIV-1 Infection

Supported by Gilead Sciences, Inc.

10:30-11:15 a.m., Booth #1083

Each year, approximately 40,000 new HIV infections are diagnosed in the U.S. This presentation will educate providers on an HIV prevention option and how to identify appropriate candidates. Additionally, clinical studies and recommended guidelines will be discussed.

Wilfredo Giordano-Perez, MD  
Johnston, RI

### Friday, April 12 • Lunch

#### Advances in the Management of CAD/PAD: A New Treatment for Thrombotic Risk Reduction

Supported by Janssen Pharmaceuticals, Inc.

1:00-1:45 p.m., Booth #645

Patients with chronic coronary artery disease (CAD) or peripheral artery disease (PAD) are at risk for major cardiovascular events, including cardiovascular death, myocardial infarction, and stroke. Join us for a presentation describing a newly approved approach to reducing the risk of these events.

Marc Cohen, MD, FACC  
Newark, NJ

#### Selecting a First-Choice Therapy for Systolic HF: The Growing Body of Evidence\*

Supported by Novartis Pharmaceuticals Corporation

1:00-1:45 p.m., Booth #671

#### INFLUENZA IMMUNIZATION: Helping to Prevent Disease in Adults 50 Years of Age and Older

Supported by Sanofi Pasteur

1:00-1:45 p.m., Booth #1083

- Examine the medical burden of influenza and its economic impact in adults 50+ years of age.
- Explore how influenza can exacerbate chronic health conditions and lead to adverse outcomes.
- Review results from two pivotal relative efficacy and safety trials that compared higher-dose and recombinant influenza vaccines to standard-dose, inactivated influenza vaccines.

Edward A. Dominguez, MD, FACP, FIDSA  
Dallas, TX

### Friday, April 12 • Afternoon Break

#### Criticality of LDL-C Lowering: A Focus on New Cholesterol Management Guidelines

Supported by Amgen

3:45-4:30 p.m., Booth #645

Please join Dr. James A. Underberg for a disease state educational program that will focus on the criticality of LDL-C lowering with a focus on the new cholesterol management guidelines.

James A. Underberg, MD, MS, FACPM, FACP, FNYAM, FASPC, FNLA  
New York, NY

\*Session presenter or description not available at time of printing. Please view the Internal Medicine Meeting 2019 app for updated schedule information. Select the Schedules icon, and then click on Innovation Theaters for updated schedule.



**Broaden your knowledge by attending an Industry-Supported Symposium.**  
**Preregistration for these courses is recommended; walk-ins are welcome as space allows.**

## **Tuesday, April 9 • Lunch**

### **Treating Influenza: Where We've Been and Where We're Going**

*Supported by: Genentech, Inc.*

12:15-1:15 p.m.

Registration: Noon

*(Lunch will be served)*

CC • Terrace I Ballroom

Online: [vindicocme40919.eventbrite.com](https://vindicocme40919.eventbrite.com)

Better diagnostic modalities and more effective treatments for patients with influenza are needed. Although diagnostic tests for influenza exist and are being utilized, newer modalities are emerging that have promising advantages. This educational activity will explore existing and newer diagnostic methods, as well as the safety and efficacy of new and emerging therapies, for influenza.

### **The Latest Data for Aimovig® (erenumab-aooe)**

*Supported by: Amgen/Novartis*

12:15-1:15 p.m.

Registration: Noon

CC • Terrace II Ballroom

Industry Therapeutic Update sponsored by Amgen and Novartis.

***This program does not offer CME credit.***

## **Wednesday, April 10 • Lunch**

### **It's in the Blood! A Practical Approach to Screening for Plasma Cell Disorders**

*Supported by: The Binding Site, Inc.*

12:15-1:15 p.m.

Registration: Noon

CC • Terrace I Ballroom

Online: <https://www.register-lunch-symposium.com/>

Plasma cell disorders, namely MGUS, Multiple Myeloma and AL Amyloidosis have likely been under-diagnosed. Patients often present with non-specific symptoms, requiring the internist to consider multiple clinical and laboratory factors. Appropriate screening for plasma cell disorders is critical as they are most

often diagnosed late in the disease course, resulting in irreversible end organ damage. Historically screening was in the form of a serum protein electrophoresis, but this excludes patients who have light chain only disease. Guidelines recommend that a modern screening approach include the use of the more sensitive immunoglobulin free light chain assay analysis. This symposium will provide a clear and practical approach to screening patients and interpreting results, while ensuring a rational use of resources to yield the best outcome for patients.

***This program does not offer CME credit.***

### **Addressing the Opioid Epidemic: A Call to Action to Save Our Communities**

*Supported by: Johnson & Johnson*

12:15-1:15 p.m.

Registration: Noon

CC • Terrace II Ballroom

Online: [www.cmeoutfitters.com/opioidCTA](http://www.cmeoutfitters.com/opioidCTA)

The impact of opioids on the US and its communities is a constantly growing burden, and all health care providers should be taking a role in addressing the opioid epidemic. The importance of HCPs who feel caught between prescribing guidelines and patients' needs, understanding acute and chronic pain pathways, and the underlying mechanisms to assessment and management of pain is key to making a difference in their communities. This CME Outfitters symposium features expert faculty evaluating current opioid prescribing practices, discussing strategies that will optimize safe and competent prescribing, and highlighting concepts from novel community programs that address opioid overdose and treat patients with OUD.

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### Wednesday, April 10 • Dinner

#### Cutting CVD Risk by Adding PCSK9s: What the Internist Needs to Know

Supported by: Amgen, Inc.

7:00-9:00 p.m.

Registration: 6:30 p.m.

Philadelphia Marriott Downtown • Franklin 8-10

Online: <https://www.gotoper.com/conferences/pcsk919/meetings/cvd-pcsk919>

Incorporating PCSK9 inhibitors and other non-statin therapies into clinical practice requires an understanding of new indications, guideline recommendations, and individualized patient strategies. This program is designed to help you apply the latest cholesterol-lowering national guidelines, and to assess the available evidence for non-statin options for patients who are not reaching lipid-lowering goals. In this engaging, interactive, case-based symposium, a panel of renowned experts in dyslipidemia management will not only arm you with a knowledge of the latest clinical trial data on PCSK9 inhibitors, but they will also provide insights into the most challenging lipid-lowering scenarios for management of patients with CVD in your own practice.

#### Changing Paradigms in Insomnia: Improving Patient Wake Time and Quality of Life Through Better Sleep

Supported by: Eisai Ltd. and Imbrium Therapeutics L.P.

7:00-8:30 p.m.

Registration: 6:30 p.m.

Loews Philadelphia Hotel • Commonwealth AB

Online: [www.paradigmmc.com/801](http://www.paradigmmc.com/801)

Insomnia is among the most common disorders encountered by primary care clinicians, with an estimated 5.5 million annual visits. Unfortunately, training regarding screening, assessment, and management is often insufficient. In addition, several medications commonly prescribed are not indicated for insomnia, which leads to suboptimal outcomes. Traditional agents have significant drawbacks, such as adverse events, potential for abuse, memory disruption, and more. Newer and emerging agents more effectively reduce wakefulness throughout the night without daytime safety issues and with reduced adverse events. This 90-minute, CME-certified symposium will be presented by three sleep experts; it will feature a didactic lecture and case-based presentations with the most current data as well as a moderated Q&A session.

#### Managing CVD and Renal Disease in T2DM: Individualizing Treatment Using Guideline- and Evidence-based Data

Supported by: AstraZeneca

6:30-7:30 p.m.

Registration: 6:00 p.m.

Loews Philadelphia Hotel • Commonwealth CD

Online: [www.rockpointe.com/diabetes](http://www.rockpointe.com/diabetes)

Your patients with T2DM, even those with optimal control of blood pressure and lipid levels, continue to have residual CVD risk. Recent cardiovascular outcome trials of antihyperglycemic agents have shown that some of these agents reduce cardiovascular and renal events in patients with T2DM. Join us at 6:00 p.m. on Wednesday, April 10, 2019 to learn more. The CME program, "Managing CVD and Renal Disease in T2DM: Individualizing Treatment Using Guideline- and Evidence-based Data," will review clinical trial data on the cardiovascular and renal benefits of antihyperglycemic agents—information that you may find useful as you individualize therapies for your patients with T2DM.

### Thursday, April 11 • Dinner

#### Reducing LDL-C and Cardiovascular Risk with Nonstatin Therapy: From Evidence to Practice

Supported by: Amgen

6:30-8:30 p.m.

Registration: 6:00 p.m.

(Dinner will be served)

Philadelphia Marriott Downtown • Salons A-D

Online: [WWW.SYMPOSIAREG.COM/21903](http://WWW.SYMPOSIAREG.COM/21903)

Phone: 973-467-1966

LDL-C remains a central focus of cardiovascular risk reduction. Guidelines have identified statin benefit groups for whom the atherosclerotic cardiovascular disease (ASCVD) risk reduction clearly outweighs the risk of adverse events. Even among those treated with high-intensity statins, many adults with cardiovascular disease are not achieving recommended LDL-C levels; while intensifying statin therapy provides additional risk reduction, residual cardiovascular risk remains. Certain patient populations may benefit from adding nonstatin, LDL-C-lowering therapy; clinical trials have demonstrated benefits in high-risk patient populations with the use of ezetimibe and PCSK9 inhibitors. In this symposium, lipid experts Drs. Robert Giugliano, Marc Sabatine, and James Underberg will describe best practices for internists in managing LDL-C cholesterol and reducing the risk for major cardiovascular events with the addition of nonstatin therapy.

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## New Opportunities to Improve Management of Patients with or at High Risk of ASCVD Events

Supported by: *Amarin Pharma Inc.*

7:00-9:00 p.m.

Registration: 6:30 p.m.

(Dinner will be served)

Philadelphia 201 Hotel • Liberty Ballroom AB

Online: <https://events.medtelligence.net/>

Phone: 201-682-2414

This timely and engaging CME-certified symposium will offer in-depth coverage of important clinical issues and data. Featuring a faculty of leading experts in the management of atherosclerotic cardiovascular disease (ASCVD), the program will utilize case-based learning in a highly interactive format to optimize clinical strategies. Clinical pearls will be highlighted to improve the patient care decision process and to solve important challenges related to treating patients at risk for progressive and serious ASCVD, including the impact of residual risk beyond statin therapy. Attendees will apply evidence-based guidelines and recent randomized clinical trial data to lifestyle and therapeutic approaches for personalized patient care. Results from REDUCE-IT, arguably the most significant ASCVD outcomes trial in decades, will be presented, along with results of other pertinent clinical studies.

## Individualized Management of Challenging Chronic Respiratory Diseases: Cases in Asthma, COPD, and Asthma-COPD Overlap

Supported by: *GlaxoSmithKline*

6:30-8:00 p.m.

Registration: 6:00 p.m.

Philadelphia Marriott Downtown • Salons I-L

Online: [www.paradigmmc.com/773](http://www.paradigmmc.com/773)

A person walks into a doctor's office with shortness of breath. As a clinician, you know this is not the beginning of a joke; rather, it is the beginning of a clinical scenario you've seen countless times in myriad patients, possibly with frustrating results. Better results are possible, but how? Get an inside look at real-life cases of asthma, COPD, and their overlap, featuring videotaped clinician-patient encounters, interactive decision-points, and expert guidance to illuminate the path to accurate diagnosis and individualized treatment of these common, challenging, and heterogeneous respiratory diseases.

## Friday, April 12 • Dinner

### Taking T2DM to Heart: Treating to Decrease CVD

Supported by: *Boehringer Ingelheim Pharmaceuticals, Inc. and Lilly USA, LLC*

6:30-7:30 p.m.

Registration: 6:15 p.m.

Philadelphia Marriott Downtown • Salons A-D

Online: [www.forefrontcollabactivities.com/T2DMwithCVD](http://www.forefrontcollabactivities.com/T2DMwithCVD)

Patients with type 2 diabetes mellitus (T2DM) face increased risk for coronary heart disease and other vascular disorders, including heart failure, cardiac dysrhythmia, sudden death, hypertensive disease, pulmonary embolism, and aortic aneurysm. In Taking T2DM to Heart: Treating to Decrease CVD, Drs. Richard Pratley and Neil Skolnik will present new data and equip attendees with strategies to address patient barriers and apply emerging and adjunctive therapies to their daily clinical practice.

### HPV Vaccination - Expanding the Playing Field for Cancer Prevention

Supported by: *Merck & Co., Inc.*

6:30-8:00 p.m.

Registration: 6:00 p.m.

Philadelphia Marriott Downtown • Salon G

Online: <https://vindicocme41219.eventbrite.com>

With the recent expansion of the age at which males and females may be eligible for HPV vaccination, internists need education on the burden of HPV, the impact of vaccination, and how to educate eligible patients to be vaccinated. This session will use traditional and gamified learning to address these points.

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### REDUCING MIGRAINE PAIN: New Therapeutic Options to Enhance Patient Care

Supported by: Lilly

6:30-7:30 p.m.

Registration: 6:00 p.m.

Loews Philadelphia Hotel • Regency Ballroom B

Online: [www.rockpointe.com/migraine](http://www.rockpointe.com/migraine)

Patients with migraine can unfortunately experience misdiagnoses and inadequate treatments based on the challenges of differentiating migraine from other types of headache. Once diagnosed, several innovative agents have recently been approved to enhance the outcomes of your patients with migraine. However, chronic migraine management remains challenging, as many patients will require multiple therapies. Join us at 6:00 p.m. on April 12, 2019 to learn how to more effectively diagnose and treat your patients with migraine. The CME activity, "Reducing Migraine Pain: New Therapeutic Options to Enhance Patient Care," will distinguish migraine from other types of headache, explain the pathophysiology of migraine, and review the latest safety and efficacy data of new and emerging therapies for migraine prevention.

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## BRIEF SUMMARY

### SHINGRIX (Zoster Vaccine Recombinant, Adjuvanted)

The following is a brief summary only; see full prescribing information for complete product information.

#### 1 INDICATIONS AND USAGE

SHINGRIX is a vaccine indicated for prevention of herpes zoster (shingles) in adults aged 50 years and older.

##### Limitations of Use:

SHINGRIX is not indicated for prevention of primary varicella infection (chickenpox).

#### 2 DOSAGE AND ADMINISTRATION

##### 2.2 Administration Instructions

###### For intramuscular injection only.

After reconstitution, administer SHINGRIX immediately or store refrigerated between 2° and 8°C (36° and 46°F) and use within 6 hours. Discard reconstituted vaccine if not used within 6 hours.

##### 2.3 Dose and Schedule

Two doses (0.5 mL each) administered intramuscularly according to the following schedule: A first dose at Month 0 followed by a second dose administered anytime between 2 and 6 months later.

#### 4 CONTRAINDICATIONS

Do not administer SHINGRIX to anyone with a history of a severe allergic reaction (e.g., anaphylaxis) to any component of the vaccine or after a previous dose of SHINGRIX [see Description (11) of full prescribing information].

#### 5 WARNINGS AND PRECAUTIONS

##### 5.1 Preventing and Managing Allergic Vaccine Reactions

Prior to administration, the healthcare provider should review the immunization history for possible vaccine sensitivity and previous vaccination-related adverse reactions. Appropriate medical treatment and supervision must be available to manage possible anaphylactic reactions following administration of SHINGRIX.

#### 6 ADVERSE REACTIONS

##### 6.1 Clinical Trials Experience

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a vaccine cannot be directly compared with rates in the clinical trials of another vaccine, and may not reflect the rates observed in practice. There is the possibility that broad use of SHINGRIX could reveal adverse reactions not observed in clinical trials.

Overall, 17,041 adults aged 50 years and older received at least 1 dose of SHINGRIX in 17 clinical studies.

The safety of SHINGRIX was evaluated by pooling data from 2 placebo-controlled clinical studies (Studies 1 and 2) involving 29,305 subjects aged 50 years and older who received at least one dose of SHINGRIX (n = 14,645) or saline placebo (n = 14,660) administered according to a 0- and 2-month schedule. At the time of vaccination, the mean age of the population was 69 years; 7,286 (24.9%) subjects were aged 50 to 59 years, 4,488 (15.3%) subjects were aged 60 to 69 years, and 17,531 (59.8%) subjects were aged 70 years and older. Both studies were conducted in North America, Latin America, Europe, Asia, and Australia. In the overall population, the majority of subjects were white (74.3%), followed by Asian (18.3%), black (1.4%), and other racial/ethnic groups (6.0%); 58% were female.

##### Solicited Adverse Events

In Studies 1 and 2, data on solicited local and general adverse events were collected using standardized diary cards for 7 days following each vaccine dose or placebo (i.e., day of vaccination and the next 6 days) in a subset of subjects (n = 4,886 receiving SHINGRIX, n = 4,881 receiving placebo with at least 1 documented dose). Across both studies, the percentages of subjects aged 50 years and older reporting each solicited local adverse reaction and each solicited general adverse event following administration of SHINGRIX (both doses combined) were pain (78.0%), redness (38.1%), and swelling (25.9%); and myalgia (44.7%), fatigue (44.5%), headache (37.7%), shivering (26.8%), fever (20.5%), and gastrointestinal symptoms (17.3%), respectively.

The reported frequencies of specific solicited local adverse reactions and general adverse events (overall per subject), by age group, from the 2 studies are presented in Table 1.

**Table 1. Percentage of Subjects with Solicited Local Adverse Reactions and General Adverse Events within 7 Days<sup>a</sup> of Vaccination in Adults Aged 50 to 59 Years, 60 to 69 Years, and 70 Years and Older<sup>b</sup> (Total Vaccinated Cohort with 7-Day Diary Card)**

	Aged 50-59 Years		Aged 60-69 Years		Aged ≥70 Years	
	SHINGRIX %	Placebo <sup>c</sup> %	SHINGRIX %	Placebo <sup>c</sup> %	SHINGRIX %	Placebo <sup>c</sup> %
<b>Local Adverse Reactions</b>	<b>n = 1,315</b>	<b>n = 1,312</b>	<b>n = 1,311</b>	<b>n = 1,305</b>	<b>n = 2,258</b>	<b>n = 2,263</b>
Pain	88.4	14.4	82.8	11.1	69.2	8.8
Pain, Grade 3 <sup>d</sup>	10.3	0.5	6.9	0.5	4.0	0.2
Redness	38.7	1.2	38.4	1.6	37.7	1.2
Redness, >100 mm	2.8	0.0	2.6	0.0	3.1	0.0
Swelling	30.5	0.8	26.5	1.0	23.0	1.1
Swelling, >100 mm	1.1	0.0	0.5	0.0	1.3	0.0
<b>General Adverse Events</b>	<b>n = 1,315</b>	<b>n = 1,312</b>	<b>n = 1,309</b>	<b>n = 1,305</b>	<b>n = 2,252</b>	<b>n = 2,264</b>
Myalgia	56.9	15.2	49.0	11.2	35.1	9.9
Myalgia, Grade 3 <sup>e</sup>	8.9	0.9	5.3	0.8	2.8	0.4
Fatigue	57.0	19.8	45.7	16.8	36.6	14.4
Fatigue, Grade 3 <sup>e</sup>	8.5	1.8	5.0	0.8	3.5	0.8
Headache	50.6	21.6	39.6	15.6	29.0	11.8
Headache, Grade 3 <sup>e</sup>	6.0	1.7	3.7	0.2	1.5	0.4
Shivering	35.8	7.4	30.3	5.7	19.5	4.9
Shivering, Grade 3 <sup>e</sup>	6.8	0.2	4.5	0.3	2.2	0.3
Fever	27.8	3.0	23.9	3.4	14.3	2.7
Fever, Grade 3 <sup>f</sup>	0.4	0.2	0.5	0.2	0.1	0.1
GI <sup>g</sup>	24.3	10.7	16.7	8.7	13.5	7.6
GI, Grade 3 <sup>e</sup>	2.1	0.7	0.9	0.6	1.2	0.4

Total vaccinated cohort for safety included all subjects with at least 1 documented dose (n).

<sup>a</sup> 7 days included day of vaccination and the subsequent 6 days.

<sup>b</sup> Data for subjects aged 50 to 59 years and 60 to 69 years are based on Study 1. Data for subjects 70 years and older are based on pooled data from Study 1: NCT01165177 and Study 2: NCT01165229.

<sup>c</sup> Placebo was a saline solution.

<sup>d</sup> Grade 3 pain: Defined as significant pain at rest; prevents normal everyday activities.

<sup>e</sup> Grade 3 myalgia, fatigue, headache, shivering, GI: Defined as preventing normal activity.

<sup>f</sup> Fever defined as ≥37.5°C/99.5°F for oral, axillary, or tympanic route, or ≥38°C/100.4°F for rectal route; Grade 3 fever defined as >39.0°C/102.2°F.

<sup>g</sup> GI = Gastrointestinal symptoms including nausea, vomiting, diarrhea, and/or abdominal pain.

The incidence of solicited local and general symptoms was lower in subjects aged 70 years and older compared with those aged 50 to 69 years.

The majority of solicited local adverse reactions and general adverse events seen with SHINGRIX had a median duration of 2 to 3 days.

There were no differences in the proportions of subjects reporting any or Grade 3 solicited local reactions between Dose 1 and Dose 2. Headache and shivering were reported more frequently by subjects after Dose 2 (28.2% and 21.4%, respectively) compared with Dose 1 (24.4% and 13.8%, respectively). Grade 3 solicited general adverse events (headache, shivering, myalgia, and fatigue) were reported more frequently by subjects after Dose 2 (2.3%, 3.1%, 3.6%, and 3.5%, respectively) compared with Dose 1 (1.4%, 1.4%, 2.3%, and 2.4%, respectively).

(continued on next page)

## Unsolicited Adverse Events

Unsolicited adverse events that occurred within 30 days following each vaccination (Day 0 to 29) were recorded on a diary card by all subjects. In the 2 studies, unsolicited adverse events occurring within 30 days of vaccination were reported in 50.5% and 32.0% of subjects who received SHINGRIX (n = 14,645) and placebo (n = 14,660), respectively (Total Vaccinated Cohort). Unsolicited adverse events that occurred in  $\geq 1\%$  of recipients of SHINGRIX and at a rate at least 1.5-fold higher than placebo included chills (3.5% versus 0.2%), injection site pruritus (2.2% versus 0.2%), malaise (1.7% versus 0.3%), arthralgia (1.7% versus 1.2%), nausea (1.4% versus 0.5%), and dizziness (1.2% versus 0.8%).

Gout (including gouty arthritis) was reported by 0.18% (n = 27) versus 0.05% (n = 8) of subjects who received SHINGRIX and placebo, respectively, within 30 days of vaccination; available information is insufficient to determine a causal relationship with SHINGRIX.

## Serious Adverse Events (SAEs)

In the 2 studies, SAEs were reported at similar rates in subjects who received SHINGRIX (2.3%) and placebo (2.2%) from the first administered dose up to 30 days post last vaccination. SAEs were reported for 10.1% of subjects who received SHINGRIX and for 10.4% of subjects who received placebo from the first administered dose up to 1 year post last vaccination. One subject (<0.01%) reported lymphadenitis and 1 subject (<0.01%) reported fever greater than 39°C; there was a basis for a causal relationship with SHINGRIX.

Optic ischemic neuropathy was reported in 3 subjects (0.02%) who received SHINGRIX (all within 50 days after vaccination) and 0 subjects who received placebo; available information is insufficient to determine a causal relationship with SHINGRIX.

## Deaths

From the first administered dose up to 30 days post last vaccination, deaths were reported for 0.04% of subjects who received SHINGRIX and 0.05% of subjects who received placebo in the 2 studies. From the first administered dose up to 1 year post last vaccination, deaths were reported for 0.8% of subjects who received SHINGRIX and for 0.9% of subjects who received placebo. Causes of death among subjects were consistent with those generally reported in adult and elderly populations.

## Potential Immune-Mediated Diseases

In the 2 studies, new onset potential immune-mediated diseases (pIMDs) or exacerbation of existing pIMDs were reported for 0.6% of subjects who received SHINGRIX and 0.7% of subjects who received placebo from the first administered dose up to 1 year post last vaccination. The most frequently reported pIMDs occurred with comparable frequencies in the group receiving SHINGRIX and the placebo group.

## Dosing Schedule

In an open-label clinical study, 238 subjects 50 years and older received SHINGRIX as a 0- and 2-month or 0- and 6-month schedule. The safety profile of SHINGRIX was similar when administered according to a 0- and 2-month or 0- and 6-month schedule, and was consistent with that observed in Studies 1 and 2.

## 7 DRUG INTERACTIONS

### 7.1 Concomitant Vaccine Administration

For concomitant administration of SHINGRIX with inactivated influenza vaccine [see *Clinical Studies (14.5) of full prescribing information*].

### 7.2 Immunosuppressive Therapies

Immunosuppressive therapies may reduce the effectiveness of SHINGRIX.

## 8 USE IN SPECIFIC POPULATIONS

### 8.1 Pregnancy

There are no available human data to establish whether there is vaccine-associated risk with SHINGRIX in pregnant women [see *Use in Specific Populations (8.1) of full prescribing information*].

### 8.2 Lactation

It is not known whether SHINGRIX is excreted in human milk. Data are not available to assess the effects of SHINGRIX on the breastfed infant or on milk production/excretion [see *Use in Specific Populations (8.2) of full prescribing information*].

### 8.5 Geriatric Use

Of the total number of subjects who received at least 1 dose of SHINGRIX in the 2 efficacy trials (n = 14,645), 2,243 (15.3%) were aged 60 to 69 years, 6,837 (46.7%) were aged 70 to 79 years, and 1,921 (13.1%) were 80 years and older. There were

no clinically meaningful differences in efficacy across the age groups or between these subjects and younger subjects [see *Clinical Studies (14.1, 14.2, 14.3) of full prescribing information*].

The frequencies of solicited local and general adverse events in subjects aged 70 years and older were lower than in younger adults (aged 50 through 69 years) [see *Adverse Reactions (6.1)*].

## 17 PATIENT COUNSELING INFORMATION

- Inform patients of the potential benefits and risks of immunization with SHINGRIX and of the importance of completing the 2-dose immunization series according to the schedule.
- Inform patients about the potential for adverse reactions that have been temporally associated with administration of SHINGRIX.
- Provide the Vaccine Information Statements, which are available free of charge at the Centers for Disease Control and Prevention (CDC) website ([www.cdc.gov/vaccines](http://www.cdc.gov/vaccines)).

## Storage:

Store vials of **Lyophilized gE Antigen and Adjuvant Suspension Components** refrigerated between 2° and 8°C (36° and 46°F). Protect vials from light. **Do not freeze.** Discard if the vials have been frozen.

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Manufactured by **GlaxoSmithKline Biologicals**  
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Distributed by **GlaxoSmithKline**  
Research Triangle Park, NC 27709

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# GET TO KNOW SHINGRIX AT BOOTH #801



Not an actual doctor.  
Not actual patients.

## ATTEND OUR INNOVATION THEATER ON THURSDAY, 1:00-1:45 PM, THEATER 3

### Indication

SHINGRIX is a vaccine indicated for prevention of herpes zoster (shingles) in adults aged 50 years and older.

SHINGRIX is not indicated for prevention of primary varicella infection (chickenpox).

### Important Safety Information

- SHINGRIX is contraindicated in anyone with a history of a severe allergic reaction (eg, anaphylaxis) to any component of the vaccine or after a previous dose of SHINGRIX
- Review immunization history for possible vaccine sensitivity and previous vaccination-related adverse reactions. Appropriate medical treatment and supervision must be available to manage possible anaphylactic reactions following administration of SHINGRIX
- Solicited local adverse reactions in subjects aged 50 years and older were pain (78.0%), redness (38.1%), and swelling (25.9%)
- Solicited general adverse reactions in subjects aged 50 years and older were myalgia (44.7%), fatigue (44.5%), headache (37.7%), shivering (26.8%), fever (20.5%), and gastrointestinal symptoms (17.3%)
- SHINGRIX was not studied in pregnant or lactating women, and it is unknown if it is excreted in human milk. Therefore, it cannot be established whether there is vaccine-associated risk with SHINGRIX in pregnant women or if there are effects on breastfed infants or milk production/excretion
- Vaccination with SHINGRIX may not result in protection of all vaccine recipients

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**Please see Brief Summary of Prescribing Information for SHINGRIX on inside adjacent pages.**

**Learn more at [SHINGRIXHCP.com](http://SHINGRIXHCP.com).**