Details about CME CREDIT and MOC POINTS on page 3.
Welcome to Internal Medicine Meeting 2018

Dear Colleagues,

Welcome to New Orleans and to ACP’s Internal Medicine Meeting 2018, the premier clinical meeting for internists! Internal Medicine Meeting brings together great minds from across the country and around the world, and offers an exceptional educational experience delivered by world-class faculty.

Whether you are a primary care internist, hospitalist, or subspecialist, the meeting provides essential medical knowledge to keep you updated on the most recent advances in patient care, both within your area of practice and across the broader discipline of internal medicine. In addition to attending scientific sessions, we encourage you to refresh your clinical skills at the Herbert S. Waxman Clinical Skills Center, visit the Exhibit Hall and the ACP Resource Center, and take advantage of networking opportunities with colleagues and other educational and cultural events of interest to all internists.

Opening our meeting on Thursday is our keynote speaker, Karen DeSalvo, MD, MPH, MSc, FACP. Dr. DeSalvo has dedicated her career to improving the health of all people, with a particular focus on vulnerable populations, through direct patient care, medical education, policy and administrative roles, research, and public service. Our Convocation Ceremony on Thursday evening will then honor the best of our profession with the induction of 57 new ACP Masters, more than 400 new ACP Fellows, and 21 ACP awardees recognized for excellence in internal medicine across a broad array of areas.

New events during the meeting include:

- ACP’s Innovation Challenge: Reimagining the Practice of Medicine, a “Shark Tank” styled competition that will showcase 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 winner of a $20,000 prize. Attendees will also vote for the winner of a $5,000 Audience Choice prize. (Thursday, 11:15 AM–12:45 PM, Room 383-385)
- Annals of Internal Medicine Story Slam, inspired by the journal’s popular series of essays, “On Being a Doctor,” will feature 10 physicians expressing personal experiences that reflect the human side of medicine. (Saturday, 9:30-11:15 AM, La Nouvelle Ballroom C)
- As part of ACP’s Physician Well-being and Professional Satisfaction initiative and focus on creating a culture of wellness, a Relaxation Station will provide a place to recharge and relax during the meeting. Take advantage of chair massages, opportunities for yoga, meditation and quiet reflection, and additional resources related to physician well-being. (Exhibit Hall, Booth 1059)
- “Standardized Patient,” a dual video projection art installation by nationally acclaimed artist Kerry Tribe, will provide an artistic opportunity for reflection on questions of communication, empathy, medical education, and performance. (Thursday–Saturday, Room 348-349)
- ACP Pop-Up Education! will surprise attendees through unscheduled live edu-tainment simulated clinical scenarios (spot the Pop-Up Education banner if it is raised near you!)

Be sure to download the ACP Internal Medicine Meeting 2018 mobile app for helpful information and to build a personalized schedule of sessions and events. Please share your experiences at the meeting on social media, using the hashtag #im2018.

The Internal Medicine Meeting is a wonderful opportunity to re-connect with colleagues and enhance your knowledge with up-to-date information based on the best possible evidence. As internists, our desire to learn and grow professionally helps support us as preeminent clinicians and accomplished diagnosticians providing the best patient care.

I hope you enjoy New Orleans, a melting pot of culture, food, architecture and music. I thank you for your commitment to internal medicine, and hope the meeting will be professionally and personally rewarding.

Sincerely,

Jack Ende, MD, MACP
President, American College of Physicians
Welcome, CME, and MOC Information

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

Marc J. Kahn, MD, MBA, MACP, Chair
George L. Bakris, MD, FASH, FACP
John B. Bulger, DO, MBA, MACP
William E. Davis, MD, FACR, MACP
Alan W. Dow, MD, MSHA, FACP
Ann R. Garment, MD, FACP
N. Wilson Holland, MD, AGSF, FACP
Rita R. Kalyani, MD, MHS, FACP
Sandra A. Kemmerly, MD, FIDSA, MACP
Christopher L. Knight, MD, FACP
Jordan Messler, MD, SFHM, Member
David E. Midthun, MD, MACP
Joel E. Richter, MD, FACP
Nicholas J. Ruggiero II, MD, FACC, FSCAI, FSVM, FCPP, FACP
Iris Tong, MD, FACP

Keynote Speaker
Karen DeSalvo, MD, MPH, MSc, FACP
Former Acting Assistant Secretary for Health & National Coordinator for Health IT at the U.S. Department of Health and Human Services (HHS)

Dr. DeSalvo led core public health offices and oversaw development of health policy recommendations, including Public Health 3.0, a defining of the future of public health. Dr. DeSalvo also served as the National Coordinator for Health Information Technology concurrently for nearly 2 years from January 2014 to August 2016. She focused national attention on moving beyond adoption of electronic health records to focus on data liquidity and interoperability to support innovation and consumer health goals. Under Dr. DeSalvo’s leadership as Delivery System Reform strategy co-lead, HHS set and met historic goals in payment reform and supported transformed models of care delivery.

Dr. DeSalvo was previously Health Commissioner for the City of New Orleans. While there, she transformed the outmoded health department to one that achieved national accreditation and recognition, restored health care to devastated areas of the city, and led the establishment of a public hospital. She was Professor of Medicine and Vice Dean for Community Affairs and Health Policy at Tulane University School of Medicine. She earned her MD and MPH from Tulane University and an MSc in clinical epidemiology from the Harvard School of Public Health.

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
Volunteerism Committee

Disclosure information for Committee and Council members is available by downloading the ACP Meetings mobile app from your app store. Select the ACP Internal Medicine Meeting 2018 event and tap Download Event. Once inside the event, tap on the Disclosures icon.
Take the meeting home with you!

SCIENTIFIC SESSION

RECORDINGS
AUDIO | VIDEO | ONLINE

Purchase scientific session recordings and continue learning throughout the year. Choose from 170+ scientific sessions from Internal Medicine Meeting 2018 and opt for CME credit and MOC points on selected packages. Recordings are available in a variety of formats to best fit your learning needs. Take advantage of special pricing discounts available during the meeting.

Visit us at any of our booth locations to place your order:

- Auditorium A Lobby
- Hall I-1 Lobby
- Exhibit Hall GH, Booth 1034

playbackacp.com/im2018
<table>
<thead>
<tr>
<th>Welcome inside Front Cover</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Keynote Speaker/Acknowledgments</td>
<td>Tab 1</td>
</tr>
<tr>
<td>Overview of Internal Medicine Meeting 2018</td>
<td>2</td>
</tr>
<tr>
<td>CME Information and MOC Points</td>
<td>3</td>
</tr>
<tr>
<td>Fulfill State CME Requirements</td>
<td>5</td>
</tr>
<tr>
<td>General Information</td>
<td>7</td>
</tr>
<tr>
<td>Hotel Information and Map</td>
<td>10</td>
</tr>
<tr>
<td>Officers, Regents, and Governors</td>
<td>12</td>
</tr>
<tr>
<td>Support for Internal Medicine Meeting 2018</td>
<td>14</td>
</tr>
<tr>
<td>Sessions by Day and Time</td>
<td>17</td>
</tr>
<tr>
<td>Thursday</td>
<td>17</td>
</tr>
<tr>
<td>Friday</td>
<td>25</td>
</tr>
<tr>
<td>Saturday</td>
<td>37</td>
</tr>
<tr>
<td>Hospital Medicine Track</td>
<td>49</td>
</tr>
<tr>
<td>Herbert S. Waxman Clinical Skills Center</td>
<td>51</td>
</tr>
<tr>
<td>Convocation Ceremony</td>
<td>61</td>
</tr>
<tr>
<td>Awardees and New Masters</td>
<td>63</td>
</tr>
<tr>
<td>Special College Events</td>
<td>65</td>
</tr>
<tr>
<td>Receptions</td>
<td>69</td>
</tr>
<tr>
<td>ACP Medical Students, Resident/Fellow Members, and Early Career Physicians</td>
<td>70</td>
</tr>
<tr>
<td>Explore the Exhibit Hall</td>
<td>73</td>
</tr>
<tr>
<td>Additional Learning Opportunities</td>
<td>78</td>
</tr>
</tbody>
</table>

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Any use of program content, the name of a speaker and/or program title, or the name of ACP without the written consent of ACP is prohibited. For purposes of the preceding sentence, “program content” includes, but is not limited to, oral presentations, audiovisual materials used by speakers, program handouts, and/or summaries of the same. This rule applies before, during, and after the meeting.

Legend

- CC Ernest N. Morial Convention Center
- HQ New Orleans Marriott (Headquarter Hotel)
- Recordings available for purchase
- 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 Ernest N. Morial Convention Center unless otherwise indicated.
Internal Medicine Meeting 2018 is a multifaceted program. To get the most out of your attendance, familiarize yourself with the overall program to determine which programs and activities are most interesting to you.

Thursday-Saturday
Scientific Program
The heart of Internal Medicine Meeting 2018—more than 200 educational offerings that cover the spectrum of internal medicine.

Herbert S. Waxman Clinical Skills Center
Multiple opportunities for interactive learning. Update physical examination skills, learn new office-based procedures, try the latest computer software, 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 70-71 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 79-84 for the full schedule and locations.

These industry-supported events are independently organized and are not an official part of the Internal Medicine Meeting 2018 education program.

Learning Formats
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 2018 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.

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 2018 Program Objectives
At the conclusion of Internal Medicine Meeting 2018, participants 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 2018 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 2018 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 2018 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 relationshipships 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 2018. All grants and in-kind contributions are acknowledged on pages 14-15.

All Internal Medicine Meeting 2018 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 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 2018 event and tap Download Event. Once inside the event, tap on the 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)™ listed below. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Internal Medicine Meeting 2018
30.5 AMA PRA Category 1 Credit™

Internal Medicine Meeting 2018 Pre-Courses
Half-day Pre-Courses, 3.5 AMA PRA Category 1 Credits™
One-day Pre-Courses, 7 AMA PRA Category 1 Credits™
Two-day Pre-Courses, 14 AMA PRA Category 1 Credits™

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)™.
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 as listed below. 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 2018**
30.5 MOC Points

**Internal Medicine Meeting 2018 Pre-Courses**
Half-day Pre-Courses, 3.5 MOC points
One-day Pre-Courses, 7 MOC points
Two-day Pre-Courses, 14 MOC points

**How to Claim CME Credit and MOC Points**

**Claim CME credit** for your participation in Internal Medicine Meeting 2018 and the Pre-Courses by completing your CME Documentation Forms online at 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. 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 2018 and the Pre-Courses is December 31, 2018.

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 or contact ABIM at 800-441-2246.

**Attend Internal Medicine Meeting 2018—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.

For more information about CME or MOC, stop by the registration area or contact Member and Customer Service at 800-ACP-1915, ext. 2600 (M-F, 9:00 a.m.-5:00 p.m. ET).
Attending Internal Medicine Meeting 2018 is an excellent way to fulfill your state CME relicensure requirements. Internal Medicine Meeting 2018 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**

*Generational Communication Differences at Work*
PN 014  Friday  2:15-3:45 p.m.  Room 388-390

*Providing Care to Hispanic and Latino Patients*
PN 036  Thursday  2:15-3:45 p.m.  Room 383-385

**Electronic Health Records**

*Computer and Patient: Competition or Collaboration?*
MTP 033  Thursday  8:15-9:15 a.m.  Room 295-296

*Health IT within MIPS: Advancing Care Information*
PN 037  Thursday  2:15-3:45 p.m.  Room 295-296

*Making the Electronic Health Record Work for You, Not Vice Versa*
MTP 057  Saturday  7:00-8:00 a.m.  Room 260-262

*What Physicians Really Need from EHRs to Be Successful in a Value-Based World*
PN 041  Saturday  11:15 a.m.-12:45 p.m.  Room 295-296

**End-of-Life and Palliative Health Care**

*Case Studies in End-of-Life Care in the Hospital*
MTP 042  Friday  11:15 a.m.-12:45 p.m.  Room 260-262

*Outpatient Palliative Care*
MTP 022  Saturday  7:00-8:00 a.m.  Theater C

**Ethics/Professional Responsibility**

*A Return to Bedside Medicine: Countering the Hidden Curriculum*
PN 027  Friday  2:15-3:45 p.m.  Room 271-273

*Ethics Role Play: Telemedicine Ethics Opportunities and Challenges*
PN 028  Friday  8:15-9:15 a.m.  Room 383-385

*Ethics Year in Review*
PN 029  Saturday  2:15-3:45 p.m.  Room 388-390

*Exploring Mistreatment in the Vulnerable Elderly*
MTP 030  Thursday  7:00-8:00 a.m.  Room 343-345

*Patient Priority Care: Transitioning from What’s the Matter with You to What Matters to You*
PN 019  Saturday  9:30-10:30 a.m.  Room 295-296

*Reimagining Quality Measurement and Accountability: How Physicians, Payers, and Patients Propose to Fix a Broken System*
PN 032  Saturday  4:00-5:00 p.m.  Room 391-392

*Teaching Strategies to Change Culture to Optimize Professionalism and Team-Based Care*
MTP 012  Friday  7:00-8:00 a.m.  Room 353-355

**Geriatric Medicine**

*Assessing Older Drivers’ Safety: When Is It Time to Give Up the Keys?*
MTP 029  Saturday  4:00-5:00 p.m.  Room 271-273

*Challenges in Geriatric Medication Management: An Interactive, Case-Based Workshop*
CSW 007  Thursday  4:30-6:00 p.m.  Room 265-266

*Delirium in the Hospitalized Patient*
MTP 048  Saturday  9:30-10:30 a.m.  Room 288-290

*Dementia: Diagnosis and Management*
MTP 077  Friday  11:15 a.m.-12:45 p.m.  Room 343-345

*Diabetes Management in Older Adults: The Debate Continues*
PN 003  Thursday  2:15-3:45 p.m.  Theater C

*Exploring Mistreatment in the Vulnerable Elderly*
MTP 030  Thursday  7:00-8:00 a.m.  Room 343-345

*Hazards of Hospitalization in the Elderly: Get Them Out of Bed and Moving*
MTP 031  Thursday  4:30-5:30 p.m.  Room 271-273

*Osteoporosis: Evaluation and Treatment*
MTP 093  Saturday  8:15-9:15 a.m.  Theater B

*Update in Geriatric Medicine*
UD 005  Saturday  8:15-9:15 a.m.  Theater A

*Urinary Incontinence in the Elderly*
MTP 032  Friday  11:15 a.m.-12:45 p.m.  Room 288-290

**HIV/AIDS**

*HIV/AIDS in the Hospital*
MTP 054  Thursday  7:00-8:00 a.m.  Room 271-273

**Infectious Diseases/Infection Control**

*Antibiotic Stewardship and Infection Control: Latest Treatments and Management*
PN 034  Saturday  11:15 a.m.-12:45 p.m.  Room 343-345

*Caring for Vulnerable Patient Populations: A Joint Session of the American College of Physicians and the European Federation of Internal Medicine*
PN 035  Thursday  11:15 a.m.-12:45 p.m.  Room 353-355
**Fulfill State CME Requirements**

**Clostridium difficile: Appropriate Diagnosis, Treatment, and Innovative Therapies**
MTP 069  Friday  7:00-8:00 a.m.  Room 295-296

**Community-Acquired Pneumonia in the Hospital**
MTP 047  Saturday  9:30-10:30 a.m.  Theater C

**Emerging Infectious Diseases**
MTP 050  Friday  4:30-5:30 p.m.  Theater B

**Emerging Pathogens: What's New?**
MTP 070  Friday  2:15-3:45 p.m.  Room 288-290

**Health Care-Associated Infections: CAUTI, VAP, HAP, CLABSI, C. diff**
MTP 052  Friday  8:15-9:15 a.m.  Room 260-262

**Hepatitis C: Routine Testing, Diagnosis, Treatment, and Cure**
MTP 071  Saturday  8:15-9:15 a.m.  Room 288-290

**HIV/AIDS in the Hospital**
MTP 054  Thursday  7:00-8:00 a.m.  Room 271-273

**Immunization Update for Adolescents and Adults**
MTP 072  Saturday  4:00-5:00 p.m.  Room 260-262

**Implementing a Hospital Antibiotic Stewardship Program**
MTP 055  Saturday  7:00-8:00 a.m.  Theater A

**Implementing Revenue-Positive and Time-Saving Adult Immunization in Your Practice**
PN 042  Thursday  2:15-3:45 p.m.  Room 260-262

**Infectious Diseases for the International Volunteer**
PN 049  Saturday  2:15-3:45 p.m.  Room 271-273

**The Latest Definition and Treatment of Sepsis**
MTP 067  Saturday  8:15-9:15 a.m.  Room 271-273

**Update in Infectious Diseases**
UD 008  Thursday  8:15-9:15 a.m.  Theater A

**Pain Management/Prescribing Controlled Substances/Opioid Prescribing**

**Challenges in Geriatric Medication Management: An Interactive, Case-Based Workshop**
CSW 007  Thursday  4:30-6:00 p.m.  Room 265-266

**Managing Fibromyalgia and Other Central Pain Syndromes**
MTP 090  Saturday  4:00-5:00 p.m.  Room 388-390

**Managing Pain in the Hospital**
MTP 058  Saturday  11:15 a.m.-12:45 p.m.  Room 288-290

**Marijuana: Its Roles, Rewards, and Risks**
MTP 015  Friday  7:00-8:00 a.m.  Theater C

**Medication Reconciliation**
MTP 059  Friday  7:00-8:00 a.m.  Room 288-290

**Most Important Drug Interactions and Side Effects for 2018**
MTP 018  Thursday  8:15-9:15 a.m.  Theater C

**Outpatient Management of Opioid and Alcohol Use Disorders**
MTP 097  Monday  9:30-10:30 a.m.  Room 393-396

**Spinal Stenosis and the Aging Spine**
MTP 091  Friday  8:15-9:15 a.m.  Room 353-355

**Substance Abuse Disorders in the Hospitalized Patient**
MTP 064  Thursday  4:30-5:30 p.m.  Room 388-390

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

**ACP Innovation Challenge 2018: Reimagining the Practice of Internal Medicine**
PN 051  Thursday  11:15 a.m.-12:45 p.m.  Room 383-385

**Antibiotic Stewardship and Infection Control: Latest Treatments and Management**
PN 034  Saturday  11:15 a.m.-12:45 p.m.  Room 343-345

**Health Care-Associated Infections: CAUTI, VAP, HAP, CLABSI, C. diff**
MTP 052  Friday  8:15-9:15 a.m.  Room 260-262

**Implementing a Hospital Antibiotic Stewardship Program**
MTP 055  Saturday  7:00-8:00 a.m.  Theater A

**Medication Reconciliation**
MTP 059  Friday  7:00-8:00 a.m.  Room 288-290

**Most Important Drug Interactions and Side Effects for 2018**
MTP 018  Thursday  8:15-9:15 a.m.  Theater C

**Patient Priority Care: Transitioning from What’s the Matter with You to What Matters to You**
PN 019  Saturday  9:30-10:30 a.m.  Room 295-296

**Sustaining Your Quality Improvement Project**
PN 015  Saturday  11:15 a.m.-12:45 p.m.  Room 391-392

**The Provider as a Second Victim in Hospital Misadventures**
PN 007  Saturday  2:15-3:45 p.m.  Room 343-345
When Women Are Healthy, Communities Thrive

The Women’s Preventive Services Initiative (WPSI) is a five-year cooperative agreement with The American College of Obstetricians and Gynecologists (ACOG) and the U.S. Department of Health and Human Services Health Resources and Services Administration (HRSA). The purpose of WPSI is to update and implement recommendations for women’s preventive health care over the course of their lifespan. The WPSI is a collaborative and multidisciplinary effort consisting of over 20 member organizations who are experts in women’s health.

Recently updated recommendations include:

- Breast cancer screening for average-risk women
- Breastfeeding services and supplies
- Screening for cervical cancer
- Contraception
- Screening for gestational diabetes mellitus
- Screening for human immunodeficiency virus
- Screening for interpersonal and domestic violence
- Counseling for sexually transmitted infections
- Well-woman preventive visits
- Screening for diabetes mellitus after pregnancy
- Screening for urinary incontinence

Get Involved:

1. Visit the WPSI website to view the latest recommendations
2. Nominate new topics
3. Participate in Public Comment periods

Questions? Contact: wpsi@acog.org

Participation in WPSI does not constitute organizational endorsement of the recommendations
Pre-Order MKSAP® 18 Now!

Save 15% off MKSAP 18 Complete or 10% off MKSAP 18 Print or Digital!

MKSAP 18 is available July 31st, but you can reserve your program today and save the most. Be sure to visit us at the MKSAP booth in the ACP Resource Center. Ask us about the exciting new MKSAP 18!

Visit us today to receive your discount!
Member and Customer Service Assistance
Registration Hours • CC • Lobby H
Our courteous staff will be available to assist you during the following hours:
- Tuesday, April 17: 7:00 a.m.-4:30 p.m.
- Wednesday, April 18: 7:00 a.m.-5:00 p.m.
- Thursday, April 19: 6:00 a.m.-5:30 p.m.
- Friday, April 20: 6:30 a.m.-5:00 p.m.
- Saturday, April 21: 6:30 a.m.-Noon

Admission Requirements
Only registered Internal Medicine Meeting 2018 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
- White: College Officers and Members, Non-Members, Allied Health Professionals, and Medical Students
- Blue: Guests (Exhibit Hall Only) and Spouses
- Orange: Exhibitors
- Yellow: Press
- Green: ACP Staff
- Gray: Vendors

Policy for Reserved Waxman 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.

Waxman Clinical Skills Center Walk-in Policy
Internal Medicine Meeting 2018 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 GH • Booth 805
Charge your mobile device and access Wi-Fi.

Business Services
Located in Lobby F, The UPS Store is self-service or full-service, depending on your needs. A wide range of supplies and services, including printing, shipping, high-volume copying, faxing, etc., are available. Visit The UPS Store online to place an order, or contact The UPS Store at the Ernest N. Morial Convention Center by calling 504-670-8941.

Coat and Luggage Check
CC • Lobby H
Coat and luggage check is available in Lobby H Tuesday through Saturday 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. They can be picked up at Registration in Lobby H. 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 • Bacchus
- Wednesday, April 18: 1:00-4:00 p.m. (Parent Open House)
- Thursday, April 19: 6:30 a.m.-11:00 p.m.
- Friday, April 20: 6:30 a.m.-11:00 p.m.
- Saturday, April 21: 6:30 a.m.-6:00 p.m.

Nursing Mothers
CC • Room 297
Comfortably and privately breastfeed your baby or express milk in our nursing mothers’ suite.

Networking Lounge
Exhibit Hall GH • Booths 600, 723
Meet with other attendees and cultivate new professional relationships.
Ground Transportation

Taxi—Many companies provide taxi service at the Louis Armstrong New Orleans International Airport. Taxicab booths are located on the first level of the Terminal outside of Baggage Claim Belts 1 and 14. Taxi rides cost $36.00 from the airport to the Central Business District (CBD) or French Quarter (west of Elysian Fields) for up to two passengers. For three or more passengers, the fare will be $15.00 per passenger. Taxis are required to accept credit card payments. Please visit http://www.neworleansonline.com/tools/transportation/gettingaround/cabs.html for more information.

Car Rental—Avis is the preferred car rental company for Internal Medicine Meeting 2018. Use Avis Worldwide Discount number (AWD) B116099 when you call 800-331-1600 to make a reservation.

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. The schedule will be available at your hotel and at the Convention Center and will include the pickup locations and times at designated hotels. All times subject to change based on traffic conditions.

Airport Transfers and Public Transit—Public mass transportation is available from the Louis Armstrong New Orleans International Airport to downtown New Orleans. The Jefferson Transit Authority (JET) and the Regional Transit Authority (RTA) provide nine daily departures to downtown New Orleans. Both utilize the bus stop located on the outer lanes of the second floor, outside the Concourse C Lobby Information Booth. Both also offer citywide public transportation options.

Airport shuttle discounts have been arranged through Super Shuttle. The cost is $22.50 (one-way per person to the downtown area) or $45.00 roundtrip. Reservations must be made online at https://booking.supershuttle.com/ to receive the discount. Enter the code “ZJLH9” in the Discount Code box on the main reservation page.

Parking—Ample parking is available at the Convention Center for a daily fee.

Parking lots are located on Convention Center Boulevard.

Concierge Services Desk

CC • Lobby H

On The Town Concierge Services desk will be staffed Tuesday to Saturday. Concierge services team members provide information, including event, restaurant, entertainment, and shopping suggestions. They are also able to assist with car rental information and sell tickets to local attractions and museums.

Hotel Information Desk

CC • Lobby H

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:

<table>
<thead>
<tr>
<th>Day</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday, April 17</td>
<td>8:00 a.m.-5:00 p.m.</td>
</tr>
<tr>
<td>Wednesday, April 18</td>
<td>8:00 a.m.-5:00 p.m.</td>
</tr>
<tr>
<td>Thursday, April 19</td>
<td>7:00 a.m.-5:00 p.m.</td>
</tr>
<tr>
<td>Friday, April 20</td>
<td>8:00 a.m.-5:00 p.m.</td>
</tr>
<tr>
<td>Saturday, April 21</td>
<td>8:00 a.m.-Noon</td>
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</tbody>
</table>
Emergency Procedures
Medical/General Emergencies inside the Convention Center
• Non–life-threatening emergencies inside the Convention Center call 3011 from a house phone or 504-582-3011
• Life-threatening emergencies inside the Convention Center call 3040 from a house phone or 504-582-3040

Convention Center First Aid
• Lobby H

Medical/General Emergencies Outside the Convention Center
• Call 911

New Orleans Marriott Emergency Number
• Dial 0 from any house phone
• To contact Hotel Security from outside the Hotel, dial 504-581-1000

Meeting Interruption During Internal Medicine Meeting 2018:
• Follow instructions provided by the Convention Center/Hotel Public Address System
• Check with your hotel for a voicemail message or other information
• Call ACP Customer Service for information at 800-ACP-1915
• Access the College’s Web site, www.acponline.org, for updated information

Mobile Access and Interaction at Internal Medicine Meeting 2018
ACP has made the meeting more accessible and engaging by expanding our mobile features. Take advantage of the following to get the most out of Internal Medicine Meeting 2018:

Download the Internal Medicine Meeting 2018 App for iPhone, iPad, and Android. Search for “ACP meeting” in the 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.

View or download handouts at annualmeeting.acponline.org/handouts.

Twitter: Use hashtag #im2018 when you share tweets about the meeting. Connect to news and announcements from ACP at twitter.com/acpinternists.

Facebook: Stay connected to ACP at the meeting and afterwards at facebook.com/acpinternists.
<table>
<thead>
<tr>
<th>Hotel</th>
<th>Phone Number</th>
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</thead>
<tbody>
<tr>
<td>1 Astor Crown Plaza</td>
<td>504-962-0500</td>
</tr>
<tr>
<td>2 Courtyard New Orleans Downtown Convention Center</td>
<td>504-598-9898</td>
</tr>
<tr>
<td>3 Courtyard New Orleans Downtown Iberville</td>
<td>504-523-2400</td>
</tr>
<tr>
<td>4 Courtyard New Orleans French Quarter</td>
<td>504-581-9005</td>
</tr>
<tr>
<td>5 Embassy Suites by Hilton New Orleans Convention Center</td>
<td>504-525-1993</td>
</tr>
<tr>
<td>6 Hampton Inn and Suites Convention Center</td>
<td>504-566-9990</td>
</tr>
<tr>
<td>7 Hilton New Orleans Riverside</td>
<td>504-561-0500</td>
</tr>
<tr>
<td>8 Hyatt Centric French Quarter</td>
<td>504-586-0800</td>
</tr>
<tr>
<td>9 Hyatt Place Convention Center</td>
<td>504-524-1881</td>
</tr>
<tr>
<td>10 JW Marriott New Orleans</td>
<td>504-525-6500</td>
</tr>
<tr>
<td>11 Le Meridien New Orleans</td>
<td>504-525-9444</td>
</tr>
<tr>
<td>12 Loews New Orleans Hotel</td>
<td>504-595-3300</td>
</tr>
<tr>
<td>13 New Orleans Marriott (HQ)</td>
<td>504-581-1000</td>
</tr>
<tr>
<td>14 New Orleans Downtown Marriott Convention Center</td>
<td>504-613-2888</td>
</tr>
<tr>
<td>15 Omni Riverfront Hotel</td>
<td>504-524-8200</td>
</tr>
<tr>
<td>16 Renaissance New Orleans Arts Hotel</td>
<td>504-613-2330</td>
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<td>17 Renaissance New Orleans Pere Marquette</td>
<td>504-525-1111</td>
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<td>18 Residence Inn New Orleans Downtown</td>
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<td>19 Sheraton New Orleans Hotel</td>
<td>504-525-2500</td>
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<tr>
<td>20 Spring Hill Suites Downtown</td>
<td>504-522-3100</td>
</tr>
<tr>
<td>21 Westin New Orleans Canal Place</td>
<td>504-566-7006</td>
</tr>
</tbody>
</table>
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SANOFI PASTEUR
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Innovation Theater

Sunovion
Innovation Theater

TEAM Health.
Aisle Sign
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WPSI
Scientific Program Ad
Pre-Courses

*Point-of-Care Ultrasound for Internists and Hospitalists*

- **3D Systems**
  - Ultrasound equipment
- **B. Braun Medical Inc.**
  - Catheters
- **CAE Healthcare, Blue Phantom**
  - Ultrasound equipment
- **FUJIFILM/SonoSite, Inc.**
  - Ultrasound equipment
- **GE Healthcare**
  - Ultrasound equipment
- **Mindray North America**
  - Ultrasound equipment
- **SonoSim, Inc.**
  - Ultrasound equipment
- **Teleflex**
  - Catheter training kits
- **Vata, Inc.**
  - Ultrasound equipment

Clinical Skills Workshops

*A Complete Contraceptive Toolkit: Cases and Demos*

- **Bayer Health Care Pharmaceuticals, Inc.**
  - Pelvic training models
- **Cooper Surgical, Inc.**
  - Pelvic training kits

Herbert S. Waxman

Clinical Skills Center

- **Brymill Cryogenic Systems**
  - Liquid nitrogen spray units
- **CAE Healthcare, Blue Phantom**
  - Ultrasound model
- **GE Healthcare**
  - Ultrasound equipment
- **Teleflex**
  - Catheterization kits and bone block sets
- **Vata, Inc.**
  - Ultrasound equipment
  - Suturing models
  - Leg models

Resident/Fellow Abstract Competition

- **Merck**
  - Educational Grant

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Susan Hingle, MD, MACP
Richard P. Holm, MD, MACP*

Robert E. Jackson, MD, MACP*
Janet A. Jokela, MD, FACP*
Capt. Michael P. Keith, MC, USN, FACP
Audrey R. Kupchan, MD, FACP
Mark A. Levine, MD, MACP*
Joseph M. Li, MD, FACP*
Robert H. Lohr, MD, FACP*
Ana Maria Lopez, MD, MPH, FACP*
Ryan D. Mire, MD, FACP*
Darilyn V. Moyer, MD, FACP*
Marianne C. Parshley, MD, FACP
Lawrence M. Phillips, MD, FACP
Maria E. Pinto, MD, MACP*
Barbara L. Schuster, MD, MACP, FRCP
Louis S. Snitkoff, MD, FACP
Thomas G. Tape, MD, MACP*
Ernest L. Yoder, MD, PhD, MACP*

*Also contributed to the Cope Scholarship Fund.

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 Internal Medicine Meeting 2018 this year’s awardees:

Ohenewaa Larbi Ahima, MD, FACP
Courtney Austin, MD, FACP
Alana Biggers, MD, FACP
David J. Byun, DO
Andrea S. Christopher, MD, FACP
Capt. Nicholas P. Cosentino, DO
Capt. Aaron Craig, DO
Amanda Finley, DO
Adam C. Kaplan, MD, FACP
Bojana Milekic, MD, FACP
Fidelis Obu, MD
Audrey M. Provenzano, MD
James M. Rhinewalt, MD
Emma Sargsyan, MD
Bikram Sharma, MD
Karyn Singer, MD
Cordelia Stearns, MD
Sherine Talaat, MD
Nishant Tripathi, MD, MBBS
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Visit NEJM Group at booth #1213.
Thursday—7:00-8:00 a.m.

The Athlete as Patient
Room 393-396  MTP 096  ⏳
Professor: Gary W. Dorshimer, MD, FACP
1. What cardiac screening is appropriate for the asymptomatic athlete?
2. What metabolic changes are common in athletes with regard to bone health, fertility, and performance-enhancing drugs?
3. When should a concussion be expected, how should it be treated, and what can prevent it from happening in the first place?
4. As a team physician, what skill sets must you have in addition to training as a general internist?

Breast Cancer Follow-Up: Who, What, When
Room 260-262  MTP 080  ⏳
Professor: Agustin C. Garcia, MD
1. What follow-up is required for patients with treated early stage breast cancer?
2. What follow-up is needed for breast cancer patients who have received radiotherapy?
3. Which breast cancer patients are at increased risk for second malignancies, and how do we screen for them?

Chronic Cough: New Guidelines and Interventions for an Old Problem
Room 288-290  MTP 086  ⏳
Professor: Kenneth W. Altman, MD, PhD, FACS
1. Are there keys from the patient’s history to identify the cause of the problem?
2. How much testing is recommended in the evaluation?
3. What is the role of nasopharyngoscopy and gastroesophageal reflux?
4. What is the role for pharmacologic cough suppression and behavioral therapy?

Exploring Mistreatment in the Vulnerable Elderly
Room 343-345  MTP 030  ⏳
Professor: Carmel Bitondo Dyer, MD, FACP, AGSF
1. What are the most common types of mistreatment in the elderly?
2. What are risk factors for elder abuse?
3. What legal responsibilities do clinicians have in reporting suspected elder mistreatment?

HIV/AIDS in the Hospital
Room 271-273  MTP 054  ⏳
Professor: David M. Mushatt, MD, MPH.TM, FACP, FIDSA
1. When should HIV infection be considered as a diagnosis?
2. What are considerations when caring for a patient with HIV infection in the hospital?
3. How should fever be evaluated in a patient with HIV infection in the hospital?
4. How are medications for HIV infection managed in the hospital?
5. What are the hallmarks of postexposure prophylaxis?

Hypertension: Urgencies and Emergencies
Theater B  MTP 007  ⏳
Professor: Gregory D. Marhefka, MD, FACP, FACC
1. When is hypertensive urgency not urgent?
2. What is the acute management of hypertensive urgency and emergency?
3. What are the complications of hypertensive urgencies and emergencies and their treatment?

Is This M-Spike Important?
Room 353-355  MTP 036  ⏳
Professor: Joseph Mikhail, MD, MEd, FACP, FRCPC
1. What should be done to evaluate a patient with an incidentally discovered M-spike?
2. How often does serum electrophoresis need to be repeated in patients with M-spike?
3. Does this patient have myeloma?

Point-of-Care Ultrasonography
Room 388-390  MTP 103  ⏳
Professor: Renee K. Doversdal, MD, FACP
1. Which ultrasound techniques do and don’t add value to the bedside physical exam?
2. What is the impact of point-of-care ultrasound on the physician’s interaction with the patient?
3. Is it reasonable for patients to expect an internist to have the tools and skills to do ultrasound at the bedside?

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.

Practical Office Orthopedics for Primary Care Providers: The Knee
Room 265-266  CSW 015
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 anatomic injection techniques 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.

Subclinical Thyroid Dysfunction
Theater A  MTP 020
Professor: Douglas C. Bauer, MD, Member
1. What tests are best to diagnose subclinical thyroid dysfunction, and in what clinical situations should they be measured?
2. How and when should subclinical hyperthyroidism be treated?
3. How and when should subclinical hypothyroidism be treated?

Syncope: The 24-Hour Hospital Work-up
Theater C  MTP 065
Professor: Daniel D. Dressler, MD, MSc, FACP, SFHM
1. How should physicians risk stratify patients with syncope for hospitalization versus safe transition home?
2. What evidence-based test ordering decisions should clinicians make based on clinical findings in syncope?
3. When is specialty consultation warranted for my syncope patient?

Thursday—8:15-9:15 a.m.

60 Minutes: Special Report on Hot Issues in Health Policy
Room 388-390  PN 030
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 physicians.
2. Learn what ACP is doing about these issues and how members can become involved.
3. Attendees will have an opportunity for direct questioning of public policymakers and ACP Washington staff.

Acute Kidney Injury: Novel Risk Markers and Prophylaxis
Room 271-273  MTP 073
Professor: Joseph V. Bonventre, MD, PhD
1. What are the definition and risk factors for acute kidney injury?
2. What is the optimal prophylaxis for preventing acute kidney injury?
3. How do you promote resolution once kidney injury has occurred?

Clinical Triad: Common Lower GI Diseases: Evolving Standards of Care
Room 353-355  CT 001
Moderator: Joel E. Richter, MD, FACP
Panelists: Paul Feuerstadt, MD, FACP
Brian E. Lacy, MD, PhD
Anne F. Peery, MD, MSCR
Segment A: Colonic Ischemia
1. What are the signs and symptoms of colonic ischemia?
2. What is the role of CT scan with IV rapid infusion?
3. Which patients can be treated conservatively vs. need surgery?
Segment B: Diverticulitis
1. What are the indications for antibiotics in acute diverticulitis?
2. Is fiber helpful or harmful in acute diverticulitis?
3. When is surgery indicated in acute diverticulitis?
Segment C: Opioid-Induced Constipation
1. How is opioid-induced constipation defined?
2. Why does chronic opioid ingestion adversely affect bowel function?
3. Do we have any specific new drugs to treat opioid-induced constipation?

Computer and Patient: Competition or Collaboration?
Room 295-296  MTP 033
Professor: Wei Wei Lee, MD
1. How has the computer in the exam room changed communication with patients?
2. Are there ways to decrease the impact of the computer on patient interactions?
3. Are there ways the computer can be used to improve communication with patients?
Thursday—8:15-9:15 a.m.

Hospitalized but not Admitted: Outpatient (Observation) Care for the Inpatient Attending
Room 391-392 MTP 044
Professor: Ann Sheehy, MD, MS
1. What patients and diagnoses need to be in a hospital only a short time?
2. How can patients be hospitalized as outpatients “under observation” on hospital wards, and what does that mean for my patient, for my hospital, and for me?
3. Is hospital observation care delivered outside of dedicated observation units or clinical decision units (CDUs) a good thing?
4. What recent policy changes have shaped observation, and what can we anticipate in the future?

Images in Hematology and Medical Oncology: A Picture Is Worth a Thousand Words
Theater B MTP 035
Professor: Alice D. Ma, MD, FACP
1. What are common blood smear findings?
2. What are common physical exam findings in the oncology patient?
3. How can an image improve diagnosis (urinalysis, electrophoresis, etc.)?

Most Important Drug Interactions and Side Effects for 2018
Theater C MTP 018
Professor: Douglas S. Paauw, MD, MACP
1. What are important treatment limiting and challenging side effects of common medications?
2. What is the best way to reorganize and manage warfarin interactions?
3. What are some of the more bizarre and unexpected side effects of medications?

Relaxation Station
New at Internal Medicine Meeting 2018, the ACP Relaxation Station is a safe space for meeting attendees to relax, recharge, and learn more about physician well-being and burnout. Located near the ACP Resource Center in the Exhibit Hall, the Relaxation Station will feature a room for chair massages, a room for yoga and meditation, an area to recharge devices, a reflection wall, and more. ACP Well-Being Champions and Well-Being and Professional Satisfaction Task Force members will be on hand to answer questions and provide resources related to physician well-being. Come by and visit!

Neurology for the Internist: Headaches and Dizziness
Room 393-396 MTP 078
Professor: Martin A. Samuels, MD, DSc (Hon), MACP, FAAN, FRCP, FANA
1. Which headaches need imaging or referral to a neurologist?
2. What physical exam findings are most helpful in evaluation of dizziness?

Ophthalmology Cases for the Internist
Room 288-290 SS 001
Professor: Rebecca C. Metzinger, MD
1. How can internists visually recognize common eye conditions?
2. What should the internist know about diagnosis and management of glaucoma and cataracts?
3. What are ophthalmologic emergencies that an internist needs to be able to recognize?

Preoperative Evaluation
Room 343-345 MTP 081
Professor: Steven L. Cohn, MD, FACP, SFHM
1. How should internists manage perioperative anticoagulation with newer agents?
2. Which new clinical guidelines should shape risk assessment of the medical patient?
3. How should internists combine risk scores in the patient with multisystem comorbidity?

Update in Infectious Diseases
Theater A UD 008
Professor: George H. Karam, MD, MACP

Valvular Heart Disease: Diagnosis and Management
Room 260-262 MTP 009
Professor: Nicholas J. Ruggiero II, MD, FACP, FACC, FSCAI, F SVM, FCPP
1. How to differentiate between benign and pathologic murmurs on physical examination?
2. Does every murmur require an echocardiogram, and how often should it be repeated?
3. Who needs endocarditis antibiotic prophylaxis?
4. What surgical or percutaneous interventions for valve repair or replacement are best for my patient?
Scientific Program Sessions

Thursday—9:30-10:30 a.m.

Opening Ceremony
Hall I-2  OC 001
Lecturer:  Karen B. DeSalvo, MD, MPH, MSc, FACP

Thursday—11:15 a.m.-12:45 p.m.

ACP Innovation Challenge 2018: Re-imagining the Practice of Internal Medicine
Room 383-385  PN 051
1. Explain the rationale for the transforming clinical practice initiative.
2. List three ideas to transform clinical practice in order to achieve better health, better care, and lower cost.
3. Describe how one idea for transforming clinical practice can be incorporated into your practice.

Caring for Vulnerable Patient Populations: A Joint Session of the American College of Physicians and the European Federation of Internal Medicine
Room 353-355  PN 035
Moderator:  Ana María López, MD, MPH, FACP
Panelists:  Allen S. Keller, MD
Runolfur Palsson, MD, FACP, FRCP
1. Understand the complex factors leading to development of vulnerable patient populations in different parts of the world.
2. Understand the common healthcare challenges present in different vulnerable populations worldwide.
3. Consider the appropriate international medical community’s response to caring for vulnerable patient populations.
4. Discuss ways the internal medicine community may be able to help mitigate factors leading to development of vulnerable patient populations.

Clinical Pearls: Neurology and Perioperative Medicine
Theater B  CP 001
Moderator:  John B. Bundrick, MD, FACP
Panelists:  Steven L. Cohn, MD, FACP, SFHM
Rashmi B. Harker Singh, MD
1. What are the keys to co-management with orthopedic surgeons, including elective and non-elective orthopedic procedures?

2. How can medical care for orthopedic patients be managed to deliver optimal care?
3. How are post-acute handoffs accomplished with an eye toward total cost of care?

A Complete Contraceptive Toolkit: Cases and Demos
Room 265-266  CSW 002
Director:  Pelin Batur, MD, NCMP, CCD, FACP
Faculty:  Laura D. Lipold, MD, NCMP
Eleanor Bimla Schwarz, MD, MS
Abby L. Spencer, MD, MS, FACP
1. Review 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 the use of one contraceptive over another.
4. Increase comfort with contraceptives such as Nexplanon, IUDs, NuvaRing, Essure, diaphragms, and cervical caps.

Evaluation of Cardiac Chest Pain and Management of Chronic Angina
Theater C  MTP 004
Professor:  Robert O. Roswell, MD, FACP, FACC
1. Which patients can be discharged, observed, or admitted?
2. Are nonspecific T-wave changes really nonspecific?
3. Are positive troponins really positive?
4. When to stress test and why? What do you do next if the workup is negative?
5. What is optimal medical therapy of stable coronary artery disease in 2018?
6. What is the role for coronary intervention in chronic ischemic heart disease?
7. How do I follow a patient with chronic ischemic heart disease?

Finance 101 for Medical Students: Budgeting, Loans, and Repayment Strategies
(Note: This session is not designated for CME credit.)
Room 391-392  PN 024
Moderator:  Michael K. Weis
Panelists:  Rebecca A. Andrews, MS, MD, FACP
Robert Gluckman, MD, MACP
1. Learn how to establish a workable budget.
2. Learn the essentials of borrowing federal and private loans.
3. Learn about scholarships and service-based loan repayment programs.
4. Learn strategies for repaying loans.
Thursday–11:15 a.m.-12:45 p.m.

Food as Medicine: Nutrition to Prevent and Reverse Chronic Disease
Room 343-345 MTP 111
Professor: Michelle McMacken, MD, Member
1. What eating patterns are associated with improvements in cardiovascular health, insulin resistance, cancer risk, and obesity?
2. How can we effectively counsel our patients about dietary changes and food preparation?

Hospital Inpatient Coding: Thinking inside the Box
Room 260-262 MTP 108
Professor: Yvette M. Cua, MD, Member
1. Understand the nuances of time-based billing.
2. Know which set of forms to use when performing a consult.
3. Learn how to bill for services on days of transfers.
4. Recognize the appropriate situations and necessary documentation for billing a visit and procedure on the same day.

Looking Towards 2020: New Care Delivery Models Enabled by Existing and Near Future Technology
Room 295-296 PN 038
Moderator: Patricia L. Hale, MD, PhD, FACP
Panelists: Elmer V. Bernstam, MD, MSE, FACP
Michael S. Weiner, DO, MSM, MSIST, Member
1. Become aware of emerging developments in health information technology (IT) to support new care delivery approaches.
2. Understand the maturity of various health IT developments, and distinguish those with more immediate value from those whose benefits may be further out.

MACRA 101: Making the Most of Medicare Payment
Room 271-273 PN 043
Moderator: Shari M. Erickson, MPH
Panelists: Ryan D. Mire, MD, FACP
David S. Nilasena, MD, MSPH, MS
1. What are the essential features of the merit-based incentive programs (MIPS) and advanced alternative payment models (APM)? What are my options in each pathway?
2. MIPS or APM: How do I know where I stand and what options are available for APMs?
3. What changes do I need to make in my practice to succeed under the new payment models?
4. What resources can help me succeed in the post-MACRA world?

Thursday–2:15-3:45 p.m.

Targeting the 4th Aim: Improving Physician Wellness and Reducing Burnout in Practice and the Community
Room 270 CSW 019
Director: Eileen Barrett, MD, MPH, FACP
Faculty: Catherine C. Cheng, MD, FACP
Carrie A. Horwitch, MD, MPH, FACP
Richard M. Wardrop III, MD, PhD, FACP, FAAP
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.

Update in Pulmonary and Critical Care Medicine
Theater A UD 012
Co-Moderators: Murali M. Chakinala, MD, FCCP
Cherylee W. J. Chang, MD, FACP, FCCM, FNCS

A Brief Military History: The Key to Good Health Care for Veterans in Your Practice
Room 270 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.

Climate Change and Disaster Medicine for the Internist
Room 388-390 PN 021
Moderator: Ravi B. Parikh, MD, MPP, Resident/Fellow Member
Panelists: Mona S. Sarfaty, MD, MPH
Benjamin F. Springgate, MD, MPH, FACP
1. Highlight the impact of climate change on clinical practices across the nation.
2. Discuss how internists can prepare for and help with calamities caused by climate change, focusing on domestic natural disasters and emerging microbial threats.
Thursday—2:15-3:45 p.m.

A Complete Contraceptive Toolkit: Cases and Demos
Room 265-266  CSW 003
Director: Pelin Batur, MD, NCMP, CCD, FACP
Faculty: Laura D. Lipold, MD, NCMP
Eleanor Bimla Schwarz, MD, MS
Abby L. Spencer, MD, MS, FACP
1. Review 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 the use of one contraceptive over another.
4. Increase comfort with contraceptives such as Nexplanon, IUDs, NuvaRing, Essure, diaphragms, and cervical caps.

Diabetes Management in Older Adults: The Debate Continues
Theater C  PN 003
Moderator: Rita R. Kalyani, MD, MHS, FACP
Panelists: Thomas E. Finucane, MD, FACP
Richard E. Pratley, MD
1. What are the potential benefits of glucose-lowering targets (aggressive versus conservative) and of the different glucose-lowering therapies in older adults with diabetes?
2. What are the potential risks of glucose-lowering targets (aggressive versus conservative) and of the different glucose-lowering therapies in older adults with diabetes?
3. What are other important considerations when choosing glycemic targets in older adults with diabetes?

Health Care as Collaboration: Using Patient-Physician Engagement to Bring Joy and Value to Your Patients, Your Practice, and You (or How I Learned to Stop Worrying and Love Engaged Patients)
Room 271-273  PN 018
Moderator: Daniel Z. Sands, MD, MPH, FACP, FACMI
Panelist: Dave deBronkart
1. How does thinking about health care as a collaboration change the way one thinks about patient-physician relationships and health care delivery?
2. How does information asymmetry apply to the patient-physician relationship?
3. Why is transparency of information, cost, and quality essential to patient engagement?
4. What are strategies for working in partnership with the Googling patient?
5. How can the electronic health record (EHR) be used effectively in the office to promote, rather than discourage, patient engagement?
6. What is participatory medicine, and how can you and your patients use meaningful participation to add value to healthcare encounters?

Health IT within MIPS: Advancing Care Information
Room 295-296  PN 037
Moderator: Peter Basch, MD, MACP
Panelist: Michael Zaroukian, MD, PhD, MACP, FHIMSS
1. Understand the four components of 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.

History of Medicine: A Medical Art Museum—The Stories Behind the Paintings
Room 353-355  MTP 101
Professor: T. Jock Murray, MD, MACP
1. How can we capitalize on the fact that medical students are visual learners?
2. How can we use art to teach essential lessons in medicine?
3. How can we use art to teach the history of medicine?

Handouts
Handouts are available on the College Web site and accessible through the ACP Meetings mobile app to registered Internal Medicine Meeting 2018 attendees. The Web site and app are updated as material is received from faculty. To view or download handouts as PDF documents, go to annualmeeting.acponline.org and click on the “Educational Program” tab or download the Internal Medicine Meeting 2018 mobile app from your app store.
Thursday—2:15-3:45 p.m.

Implementing Revenue-Positive and Time-Saving Adult Immunization in Your Practice
Room 260-262  PN 042  ☎️
Moderator:  John H. O’Neill Jr., DO, MACP
Panelists:  Frances E. Ferguson, MD, FACP
           Jason M. Goldman, MD, FACP
1. Review the most recent Advisory Committee on Immunization Practices (ACIP) recommendations and insurance coverage of vaccines for adults.
2. Discuss strategies for purchasing and billing for vaccines and efficient workflows for implementing vaccination protocols in the ambulatory practice setting.
3. Examine real-world examples of practices implementing adult immunizations.

Multiple Small Feedings of the Mind: Infectious Diseases, Gastroenterology, and General Internal Medicine
Theater B  MSFM 001  ☎️
Moderator:  Elizabeth Selden, MD, Member
Panelists:  Katrina A. Armstrong, MD, FACP
           Michelle L. Dalla Piazza, MD
           Scott C. Matherly, MD

Infectious Diseases
1. How should we use procalcitonin to guide decisions around use of antibiotics?
2. Which patients should be considered for Pre-Exposure Prophylactic (PrEP) therapy? For patients for whom PrEP is indicated, how should it be prescribed and monitored?
3. What do we know about the adverse effects of commonly prescribed antibiotics, and how should this shape our decisions around therapy?

Gastroenterology
1. What is the most evidence-based approach for evaluating a suspected patient with non-alcoholic steatohepatitis (NASH)? Based on the evidence, how should a patient with NASH be treated and monitored?
2. For which medical conditions, if any, is modifying intestinal microbiota a component of treatment? What is the most evidence-based approach to modifying the intestinal microbiome?
3. What is the most evidence-based approach to integrating new treatment options for irritable bowel syndrome (IBS) into the care of these patients?

General Internal Medicine
1. How do the recommendations differ for regular cancer screening, immunizations, and STD screening in the LGBT population?
2. How should breast density scores affect recommendations for breast cancer screening?
3. When should patients with abnormal results from direct-to-consumer testing be referred for further genetic testing?

Practical Office Orthopedics: The Knee
Room 343-345  MTP 094
Professor:  Edward (Ted) Parks, MD
1. What are common painful disorders of the knee that the internist can diagnose in the office?
2. What role do imaging and injection have in the diagnosis and treatment of knee pain?
3. What is the value-based approach to splints, braces, and physical therapy, and how can the internist prescribe these effectively?

Primary Care of the Pregnant Patient: Before, During, and After Pregnancy
Room 393-396  PN 008  ☎️
Moderator:  Iris Tong, MD, FACP
Panelist:  Margaret Miller, MD, FACP
1. What are common medical problems in pregnancy that internists will encounter?
2. Which medications are safe in pregnancy?
3. What are some late sequelae of complicated pregnancies that the internist should know?
4. What are the medical benefits of breastfeeding? Which medications are safe in breastfeeding?
5. Which contraceptive methods are best for women with chronic medical disorders?

Providing Care to Hispanic and Latino Patients
Room 383-385  PN 036  ☎️
Moderator:  Adriana M. Quinones-Garcia, MD, FACP
Panelists:  Moises Auron, MD, FACP, FAAP, SFHM
           Miguel A. Pena-Ruiz, MD, Member
1. Gain an overview of cultural, economic, and linguistic issues in providing medical care to Hispanic and Latino patients.
2. Become informed about the cultural beliefs and misperceptions of physicians.
3. Gain a clearer understanding of the diversity of the U.S. Hispanic and Latino population.

Update in Hospital Medicine
Theater A  UD 007  ☎️
Moderator:  Chayan Chakraborti, MD, FACP
Thursday—4:30-5:30 p.m.

2017 High Blood Pressure Clinical Practice Guideline: Implications for the Internist
Room 393-396  MTP 112
Professor: Paul K. Whelton, MB, MD, MSc
1. Understand the new blood pressure classification system and the rationale for changes from prior Joint National Committee (JNC) classification.
2. Understand the thresholds for initiation of treatment (nonpharmacological and drug therapy) and the rationale for the recommendations.
3. Understand the requirements for accurate estimation of average blood pressure and role of out-of-the-office measurements for confirmation of office hypertension and recognition of white coat and masked hypertension.

Challenges in Geriatric Medication Management: An Interactive, Case-Based Workshop
Room 265-266  CSW 007
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 physiological 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.

Consult Talk
Room 343-345  PN 001
Professors: Geno J. Merli, MD, MACP, FHM, FSVM
Howard H. Weitz, MD, FACC, MACP
Join the Consult Guys as they address a variety of clinical issues while using humor to deliver educational pearls related to the practice of internal medicine.

Direct Oral Anticoagulants: Minimizing Bleeding Risk, Managing Bleeding
Theater C  MTP 037
Professor: Stephan Moll, MD
1. How is a patient's bleeding risk best assessed?
2. How is bleeding best managed in patients taking oral factor Xa inhibitors (apixaban, edoxaban, rivaroxaban)?
3. How is bleeding best managed in patients taking an oral direct thrombin inhibitor (dabigatran)?
4. When NOACs are stopped, when is it safe to restart them?

GI Diseases and Food Allergies: How Are They Linked?
Room 288-290  MTP 025
Professor: Sheila E. Crowe, MD, FRCPC, FACG, AGAF
1. Is gluten sensitivity different from celiac sprue?
2. In adults, what treatments are effective in impairing the complaints seen with eosinophelia esophagitis?
3. How accurate is allergy testing for food-related diseases?

Hazards of Hospitalization in the Elderly: Get Them Out of Bed and Moving
Room 271-273  MTP 031
Professor: Evelyn C. Granieri, MD, MPH, MSEd
1. What should be the goals for hospital care for the elderly?
2. What factors worsen functional decline in the hospitalized elderly?
3. What is a quick checklist that can assist in reducing complications when caring for hospitalized elderly patients?

Heal Thyself: Improving Physician Wellness—Practical Applications of Wellness Techniques: Breathing, Meditation, and Laughter
Room 270  CSW 009
Director: Carrie A. Horwitz, MD, MPH, FACP
Faculty: Astrid Pujari, MD
1. Apply laughter techniques for decreasing stress at work and at home.
2. Use breathing techniques for stress reduction.
3. Use meditation to improve well-being and mindfulness.

Heart Failure: Updated Management to Optimize Outcomes
Room 353-355  MTP 006
Professor: Clyde W. Yancy, MD, MSc, MACC, FAHA, FHFS, MACP
1. What are the new medications recommended in heart failure guidelines?
2. What are steps that can be taken to reduce heart failure readmissions?
3. Who can be treated as an outpatient, and who requires admission?
4. Who needs an implantable cardioverter-defibrillator (ICD)?
5. Who benefits from biventricular pacing?
Thursday—4:30-5:30 p.m.

Hot Topics in Medical Informatics: What May Change Your Practice Tomorrow
Room 295-296 PN 040
Moderator: Zeshan A. Rajput, MD, MS, Member
Panelists: Patricia L. Hale, MD, PhD, FACP
Priya Radhakrishnan, MD, FACP
1. Participants will exposed to current hot topics in medical informatics and interact with faculty to learn how these new technologies and concepts may affect their practices.
2. Discuss late-breaking news, particularly the impact of recent health IT regulatory changes on internal medicine practices.
3. Become aware of the latest developments and research around improving the usability of health information technology for providers, and identify a few areas in which these can be applied to clinical practice.
4. Gain knowledge of current and near future telemedicine applications, how they can be deployed to improve clinical care, and some common considerations in the implementation of these technologies.

Proper Interpretation of Electrolytes in Moderate CKD: An Interactive, Case-Based Discussion
Theater B MTP 075
Professor: Biff F. Palmer, MD, FACP
1. Serum chloride is important in accessing acid-base and volume disorders; why?
2. Does a potassium over 5.2 mEq/L have the same medical urgency in those with alkalosis versus acidosis?
3. What are the etiologies and best medical approach for hyponatremia in older people?

Substance Abuse Disorders in the Hospitalized Patient
Room 388-390 MTP 064
Professor: Keri T. Holmes-Maybank, MD, MSCR
1. How should hospitalized patients be screened for substance abuse?
2. How and when should one provide withdrawal prophylaxis?
3. When should the patient be referred for further inpatient treatment for substance abuse?
4. What is the inpatient management of patients on chronic methadone or buprenorphine therapy?

Friday—7:00-8:00 a.m.

There Is No Place like Home: Why the Medical Home Is Here to Stay
Room 260-262 PN 047
Moderator: Margo J. Williams, MHA, CMPE
Panelists: Ann C. Greiner
Christopher F. Koller
1. How does the Quality Payment Program incentivize patient-centered medical homes (PCMHs) and PCMH specialty practices?
2. What have we learned to date from the Medicare Comprehensive Primary Care (CPC) Initiative, the CPC+ program, and other PCMH and PCMH specialty practice programs?
3. What do you need to do to become a certified PCMH or PCMH specialty practice?
4. What lessons can be learned from participation in the Transforming Clinical Practice Initiative (TCPI)—and how can those be understood and utilized more broadly?

Better Evaluation of Pulmonary Nodules
Theater A MTP 085
Professor: Nichole T. Tanner, MD, MSCR
1. How do I use pretest probability to help me decide what to do?
2. What is lung cancer screening likely to find?
3. What is Lung-RADS, and how does it help me?
4. What type of CT should I order?
5. When should I refer for bronchoscopy or CT-guided needle biopsy?

Clostridium difficile: Appropriate Diagnosis, Treatment, and Innovative Therapies
Room 295-296 MTP 069
Professor: Dale N. Gerding, MD, MACP
1. What are the appropriate specimens and test for C. diff?
2. How are community acquired C. diff infections affecting the epidemiology and spread?
3. How to best manage the rising epidemic through new agents, drugs, and the indications for fecal transplantation?
Scientific Program Sessions

Friday—7:00-8:00 a.m.

Heart Disease in Women
Theater B  MTP 005
Professor: Rosario Freeman, MD, MS
1. How do women differ from men with respect to risk for coronary artery disease?
2. Are the management of risk factors different between women and men and why?
3. Does cardiac testing differ between men and women?
4. What do I do with coronary calcification found incidentally on mammography or other imaging?
5. Estrogen replacement therapy: indicated or contraindicated?

Marijuana: Its Roles, Rewards, and Risks
Theater C  MTP 015
Professor: Charles V. Pollack Jr., MA, MD
1. What are the risks of acute and chronic marijuana exposure?
2. What are the indications for medical marijuana, and how is it recommended?
3. Given rapidly changing and differing state laws, how does one handle a positive marijuana result for employment drug screening?

Medication Reconciliation
Room 288-290  MTP 059
Professor: Jeffrey L. Schnipper, MD, MPH, Member, FHM
1. What are the challenges in implementing effective medication reconciliation?
2. What are best practices to ensure accurate medication reconciliation?
3. What members of the team are essential to get this done accurately?
4. What are the best ways to implement a successful medication reconciliation program?

Practical Office Orthopedics for Primary Care Providers: The Shoulder
Room 265-266  CSW 017
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 anatomic 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.

Promoting Physician Well-Being: Reducing the Burdens and Restoring the Purpose of Practice
Room 260-262  PN 046
Moderator: Eileen Barrett, MD, MPH, FACP
Panelists: Brooke Rockwern, MPH
Louis S. Snitkoff, MD, FACP
Jennifer M. Sweeney, MA, ACC
1. What does the latest research say (or not say) about the impact of administrative burden facing physicians and their patients today?
2. What is ACP doing to alleviate these burdens—both in terms of advocacy and practice and physician support tools and services?
3. What can you do to address these issues in your practice now and in the future?

Providing High-Value Care in the Hospital: A Systems Approach
Room 343-345  MTP 061
Professor: Christopher Moriates, MD, Member
1. Why is providing high-value care essential for patients?
2. What are considerations of providing high-value care in the hospital?
3. What are some strategies for teaching high-value care?

Sports Hematology: Dopers and Hoaxers
Room 393-396  MTP 038
Professor: Marc J. Kahn, MD, MBA, MACP
1. What do blood dopers like Lance Armstrong actually do? Does it improve performance?
2. What other substances are used to improve athletic performance?
3. What is the evidence supporting the role of platelet-rich plasma in treating soft tissue injury?

Teaching Strategies to Change Culture to Optimize Professionalism and Team-Based Care
Room 353-355  MTP 012
Professor: Jeffrey G. Wiese, MD, FACP, MHM
1. Recognize the psychological tendencies that hinder team-based care.
2. Identify strategies to optimize professionalism and patient-centered care.

Reference Ranges Table
A convenient table referencing normal lab values in traditional units and standard international equivalents is available online at http://annualmeeting.acponline.org/referenceranges.
Friday—7:00-8:00 a.m.

3. Identify strategies to improve performance and reduce near-miss events by active reflection.
4. Identify strategies to get learners to focus on long-term knowledge, skills, and attitudes instead of short-term goals (i.e., grades).

Transgender Health
Room 388-390   MTP 105
Professor: Richard E. Greene, MD, FACP
1. What pearls should internists know about hormone therapy for transgender individuals like testosterone, estrogen, and antitestosterone agents?
2. What are the cancer screening guidelines for transgender patients?
3. What medical conditions have high prevalence in the transgender population?

Friday—8:15-9:15 a.m.

Autism in Adults: An Update
Room 388-390   MTP 106
Professor: Alice A. Kuo, MD, FACP
1. Discuss and review the presentation and diagnosis of autism in adults.
2. Discuss recommendations for management of patients with autism and comorbid conditions.
3. Identify clinical practice tips for caring for adults on the spectrum in the office.

Beyond the Guidelines: How Would you Screen for Breast Cancer in this Woman with Dense Breasts?
Room 271-273   PN 011
Moderator: Deborah J. Cotton, MD, MPH, FACP
Panelists: Risa Beth Burns, MD, MPH, Member Joann G. Elmore, MD, MPH, FACP Christoph I. Lee, MD, MS Gerald W. Smetana, MD, MACP
1. How does breast density compare in importance to other risk factors for breast cancer?
2. How should screening for breast cancer differ for women with dense breasts, both in terms of screening intervals and choice of imaging studies?
3. Should radiologists or PCPs engage patients in state-mandated shared decision-making discussions regarding the risk posed by dense breast tissue on mammography?

Case-Based Basic Inpatient Mechanical Ventilation
Room 288-290   MTP 043
Professor: Kay Guntupalli, MD, MACP
1. What are the modalities for mechanical ventilation?
2. What are the indications for each modality?
3. What are strategies to minimize the use of mechanical ventilation?
4. What are the essential strategies for weaning the patient off the ventilator?
5. What are the complications of mechanical ventilation?

Clinical Images to Improve Your Knowledge Base and Refine Your Clinical Reasoning Skills
Room 270   CSW 021
Director: Paul B. Aronowitz, MD, MACP
1. Learn some of the best “go to” resources for clinical image-based education.
2. Learn how to frame clinical image “one liners” for group challenges/learning.
3. Learn how to start and store clinical image collections.

Clinical Triad: Periprocedural Management of Oral Anticoagulants: When and How to Stop
Room 393-396   CT 002
Moderator: Marc J. Kahn, MD, MBA, MACP
Panelists: Stephan Moll, MD G. Nicholas Verne, MD, FACP, AGAF Juan Viles-Gonzalez, MD, FACC, FAHA, FHRSA
Segment A: Endoscopy
1. When should anticoagulants (e.g., clopidrogel, aspirin, etc.) be stopped prior to endoscopy in a patient with a stent?
2. When should direct oral anticoagulants (DOACs) be stopped?
3. When can anticoagulants be restarted following a procedure?
Segment B: Direct Oral Anticoagulants
1. How is bleeding best managed in patients on antiplatelet agents?
2. How is bleeding best managed in patients taking DOACs?
Segment C: Heart Valves
1. How should antiplatelet agents be managed in patients with artificial heart valves who require surgery?
2. How should DOACs be managed in patients with artificial heart valves prior to surgery?
Scientific Program Sessions

Friday—8:15-9:15 a.m.

Dr. Ananda Prasad Lecture in Physiology: The Human Microbiome in Health and Disease
Room 343-345 MTP 110
Professor: Vincent B. Young, MD, PhD
1. Discuss the growing interest in the role the microbiome may play in human health and disease.
2. Understand the methods that have been developed to study the human microbiome.
3. Review the data on how changes in the microbiome are associated with specific conditions and disease states.

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

Ethics Role Play: Telemedicine Ethics Opportunities and Challenges
Room 383-385 PN 028
Moderator: Thomas A. Bledsoe, MD, FACP
Panelists: Ana María López, MD, MPH, FACP
Susan Lou, MD, Resident/Fellow Member
1. What ethics and professionalism considerations are raised by the use of telemedicine?
2. When and how is a patient-physician relationship established through telemedicine?
3. How can one best apply standards of care for in-person visits to encounters that do not take place in person, including those regarding privacy, informed consent, documentation, continuity of care, and prescribing?

Health Care–Associated Infections: CAUTI, VAP, HAP, CLABSI, C. diff
Room 260-262 MTP 052
Professor: Trish M. Perl, MD, MSc, FACP
1. What are ways to mitigate health care-associated infections?
2. What is the definition of health care-associated infections?
3. What special treatment and prevention considerations exist for health care-associated infections?

Itchy Rashes and Gnarly Nails
Theater B SS 003
Professor: Daniela Kroshinsky, MD, MPH
1. How do we diagnose and treat common itchy rashes like eczema, psoriasis, and tinea?
2. How do we diagnose and treat common nail conditions like onychomycosis?
3. What are other conditions to consider in the differential for eczema, psoriasis, and tinea?

Pleural Effusions: Case Studies in Evaluation
Theater C MTP 089
Professor: Fabien Maldonado, MD, FCCP
1. When should I pursue a thoracentesis?
2. What tests should I order on the fluid?
3. What should I do with an effusion incidentally discovered on CT?
4. What is the role for pleuroscopy, and when should I refer my patient for it?
5. What is the role for indwelling tunneled catheters in malignant and nonmalignant disease?

Spinal Stenosis and the Aging Spine
Room 353-355 MTP 091
Professor: Jeffrey Radecki, MD
1. What is the value-based approach to evaluating chronic back pain in the aging adult, especially imaging?
2. What is the most effective evidence-based medical treatment for back pain in the elderly, with or without spinal stenosis?
3. When is surgical referral appropriate for spinal claudication?

Update in Cardiology
Theater A UD 001
Moderator: Biykem Bozkurt, MD, PhD

Wearables and Other Patient-Generated Data: Perils and Opportunities
Room 295-296 PN 039
Moderator: Avital Y. O’Glasser, MD, FACP
Panelists: Alisa L. Niksch, MD
Priya Radhakrishnan, MD, FACP
1. How does the current landscape of new types of entities that collect, aggregate, analyze, share, and use patient-generated health information affect routine clinical practice?
2. What limitations and challenges arise from patient-generated health data?
3. What legal and technical issues are there to integrate those data from entities that are not regulated by HIPAA?
4. How can I leverage patient-generated health data for patient engagement, shared decision making, and self-management of health and wellness, and foster innovation toward other potential applications?
5. Because these are noncovered entities under HIPAA, what do my patients need to know about the security of their data, their rights to the data, and when their health data are protected by law and when they are not?
Friday—8:15-9:15 a.m.

6. What rules apply that may hinder economic growth and the development of beneficial products that could help generate better health, smarter spending, and healthier people?

Friday—9:30-10:30 a.m.

### Approach to the Patient with Diffuse Parenchymal Lung Disease
**Theater C  MTP 083**
**Professor:** Joseph A. Lasky, MD

1. What is the role of the primary care practitioner in the evaluation?
2. What should prompt referral?
3. What are typical presentations of the more common diffuse lung diseases (e.g., pulmonary fibrosis, hypersensitivity pneumonitis, drug reactions, nonspecific interstitial pneumonia)?

### Career Transitions: Traversing the On and Off Ramps
**Room 383-385  MTP 107**
**Professor:** Stewart F. Babbott, MD, FACP

1. Discuss how to plan for a career change.
2. Consider the financial, time, and professional implications of making a significant career change.
3. Discuss how to frame your career change for potential employers.

### Hemolytic Anemia in the Clinic: When, Why, and How
**Room 288-290  MTP 034**
**Professor:** Marc S. Zumberg, MD, FACP

1. How should you evaluate a patient with suspected hemolytic anemia?
2. How is warm-antibody hemolytic anemia best diagnosed?
3. When should drug-induced hemolysis be suspected?
4. When should hereditary spherocytosis be suspected?

### How to Talk to Your Patients about the Cost of Their Care
**Room 270  CSW 023**
**Director:** C. Jessica Dine, MD, MHSP, FACP
**Faculty:** Desiree Collins Bradley, Wendy Nickel, MPH

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.

*Note: This is a 90-minute workshop.*

### Inpatient Management of the Patient with Cirrhosis
**Room 388-390  MTP 056**
**Professor:** Michael R. Lucey, MD

1. What is the management of the common complications of cirrhosis in the hospital?
2. What is “acute” or “chronic” liver failure?
3. What is the role of infection in causing chemical decompensation of the patient with cirrhosis?
4. How does kidney function influence the prognosis of patients with acute or chronic liver failure?
5. How does one safely use anticoagulation in the patient with cirrhosis?
6. When is urgent transplant referral warranted?

### Life-Threatening ECGs Encountered in the Outpatient Setting
**Room 265-266  CSW 012**
**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.

### Lowering Rx Prices, Making Medications Affordable
**Room 295-296  PN 031**
**Moderator:** Robert B. Doherty
**Panelists:** Hilary Daniel, William E. Golden, MD, MACP
Jack Rollins, MPH

1. What are the key factors in the rapid rise of prescription drug prices?
2. What impact do these prices have on health outcomes?
3. What are state Medicaid programs doing to control the cost of prescription drugs?
4. What is the Food and Drug Administration’s perspective?
Management of Early CKD in Special Populations
Room 260-262 MTP 074
Professor: Neil R. Powe, MD, MPH, MBA, MACP
1. What do you need to do when serum creatinine goes up once blood pressure medication is started and blood pressure is controlled, regardless of medication(s) used?
2. When do you need to consult nephrology for a change in creatinine?
3. How do you reconcile a reduced eGFR or mildly elevated serum creatinine in older people with seemingly otherwise normal electrolytes?
4. How do over-the-counter medications affect kidney function in people with chronic kidney disease?

Morbidity and Mortality Conference 2018
Room 343-345 MTP 060
Professor: Kelly C. Sponsler, MD, SFHM
1. How does one develop a morbidity and mortality conference that adds value for hospitalized patients?
2. What tools are available to help spur improvement?
3. What documentation should be kept from morbidity and mortality conferences?
4. What are some strategies for including patients and families in morbidity and mortality conferences?

Nicholas E. Davies Memorial Award Lecture: On Healing Hope: The Promise of Healthy Survivorship
Room 271-273 AL 003
Lecturer: Wendy S. Harpham, MD, FACP
1. Define “hope”, “healing hope”, and “healthy survivor”.
2. What is the physician’s role in guiding patients’ hope?
3. How can physicians facilitate patients’ ability to nourish healing hope?

Outpatient Management of Opioid and Alcohol Use Disorders
Room 393-396 MTP 097
Professor: Ellie Grossman, MD, MPH
1. What are the medication options for treating opioid use disorder, and which patients are appropriate candidates for each?
2. What legislation and regulations should internists be aware of regarding prescription of medication treatment for opioid use disorder?
3. What medications are approved for treatment of alcohol use disorders?
4. What is the evidence for nonpharmacologic adjunctive treatment of opioid and alcohol use disorders (e.g., CBT, 12-step programs)?

Learn about the Latest ACP Clinical Practice Guidelines and ACP’s Center for Evidence Reviews

- **News You Can Use:** Current Clinical Guidelines in Osteoporosis, Glycemic Control, & Chronic Hepatitis B
  Friday, 11:15 a.m.-12:45 p.m., Theater C
- 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, find information on the ACP Center for Evidence Reviews, and find assistance in accessing the guidelines through our Web site or app.
- Download the free Clinical Guidelines app by scanning the following QR code with your smartphone or tablet or searching “ACP Guidelines” in the iTunes or GooglePlay store. You can also access all of ACP’s Guidelines for free at www.acponline.org/clinical_information/guidelines/.
**Vascular Disease: Updated Management**
Room 353-355 MTP 001
Professor: Christopher J. White, MD, FACP
1. Who and when do I screen for carotid artery disease?
2. When should revascularization be considered in asymptomatic patients with carotid artery disease?
3. Which patients with lower extremity claudication should be considered for revascularization?
4. Abnormal ankle-brachial index (ABI): What do I do next?
5. Which patients with hypertension or chronic kidney disease should be screened for renal artery stenosis?

**Friday—9:30-10:30 a.m.**

**Clinical Pearls: Gastroenterology and General Internal Medicine**
Theater B CP 002
Moderator: John B. Bundrick, MD, FACP
Panelists: Philip K. Henderson, DO

**Coaching and Sponsorship: Two Secret Weapons for Success**
Room 383-385 PN 013
Moderator: Richard M. Wardrop III, MD, PhD, FACP, FAAP
Panelists: Charlene M. Dewey, MD, MEd, FACP
Kenri L. Palamara, MD, FACP
1. Describe the key elements of positive psychology and how they can be utilized in coaching struggling providers to help them overcome weaknesses or address challenges.
2. Appreciate the value of a trusting relationship that coaching provides in effectively working with a struggling provider.
3. Identify the differences between mentorship and sponsorship.
4. Identify potential pitfalls and misconceptions about sponsorship.
5. Identify sponsorship opportunities for early- to mid-career physicians to be facilitated individually and within organizations.

**Cardiac Murmurs: Benign or Serious?**
Room 265-266 CSW 004
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.

**Friday—11:15 a.m.—12:45 p.m.**

**Dementia: Diagnosis and Management**
Room 343-345 MTP 077
Professor: Peter A. Boling, MD
1. How can you recognize the important subtypes of dementia clinically?
2. What diagnostic tests are useful in the evaluation?
3. What are the best drug and nondrug treatments to offer?

**MACRA 201: What Are You Being Measured On and Will You Measure Up?**
Room 271-273 PN 045
Moderator: Shari M. Erickson, MPH
Panelists: Robert M. Centor, MD, MACP
Jacqueline W. Fincher, MD, MACP
1. With a year of Quality Payment Program (QPP) behind us, how do I know which quality performance measures are best for me to use? How are measures being scored?
2. What is the latest on harmonizing performance measures and the status of outcome- and population-based measure use? How is patient experience measured?
32 annualmeeting.acponline.org

Friday—11:15 a.m.-12:45 p.m.

3. What is ACP doing to influence measures, reporting, and scoring?
4. How do the clinical practice improvement activities fit in, and how can I get credit for them?

News You Can Use: Current Clinical Guidelines in Osteoporosis, Glycemic Control, & Chronic Hepatitis B

Theater C /L61552
Moderator: Amir Qaseem, MD, PhD, MHA, FACP
Panelists: George M. Abraham, MD, MPH, FACP, FIDSA
Alfonso Iorio, MD, FACP
Timothy J. Wilt, MD, MPH, MACP

1. What are the latest clinical guidelines in the areas of A1c targets for glycemic control, treatment of osteoporosis, and vaccinating, screening, and linkage to care for chronic hepatitis B?
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?

Obstetric Medicine: Medical Management of the Pregnant Patient and Inpatient Management of Acute Medical Illness

Room 353-355 PN 006 /L61552
Moderator: Lucia Larson, MD, FACP
Panelists: Courtney Clark Bilodeau, MD, FACP
Margaret Miller, MD, FACP

1. What basic physiologic changes occur during pregnancy?
2. How should prescribing in pregnancy be approached?
3. How should radiologic investigations be used in pregnancy?
4. How does management of hypertension, diabetes, and thrombosis change during pregnancy?
5. How does pregnancy outcome predict future risk for disease?

The Orthostatic Outpatient

Room 393-396 PN 002 /L61552
Moderator: Alan W. Dow, MD, MSHA, FACP
Panelists: Benjamin D. Levine, MD, FACC, FAHA, FACS
Martin A. Samuels, MD, DSc (Hon), MACP, FAAN, FRCP, FANA

1. What disease states should be considered in the evaluation of orthostasis?
2. What specific evaluations does your specialty perform to diagnose a patient’s cause of orthostasis?
3. How should primary care support the long-term management of the patient with an unusual cause of orthostasis, such as POTS?

Stump the Professor

Room 295-296 WSO 001
Director: Paul B. Aronowitz, MD, MACP
Understand the thought processes of an experienced internist while solving medical problems.

Targeting the 4th Aim: Improving Physician Wellness and Reducing Burnout in Practice and the Community

Room 270 CSW 020
Director: Eileen Barrett, MD, MPH, FACP
Faculty: Catherine C. Cheng, MD, FACP
Carrie A. Horwitch, MD, MPH, 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.

Update in Endocrinology

Theater A UD 002 /L61552
Moderator: Paul W. Ladenson, MD, FACP
Co-Moderator: Vivian A. Fonseca, MD, FACP, FRCP

1. What age-related changes predispose older adults to incontinence?
2. What are the reversible and established causes of incontinence in older adults?
3. What is a reasonable approach for identifying causes of UI?
4. What are the best pharmacologic and behavioral therapies to improve incontinence?

Friday—2:15-3:45 p.m.

Atrial Fibrillation in the Hospital: A Case-Based Approach

Room 393-396 MTP 041 /L61552
Professor: Martin C. Burke, DO, FACOI, FRCP(I)

1. What are the criteria for hospital admission for atrial fibrillation?
2. Should patients that develop postoperative atrial fibrillation be anticoagulated?
3. When are invasive procedures indicated?
4. What are the latest strategies to manage atrial fibrillation in the hospital?
**Friday—2:15-3:45 p.m.**

**Combatting Cognitive Bias: Improving Clinical Decision Making in Everyday Practice**
Room 270  
CSW 008  
Director: Deborah DiNardo, MD, Member  
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 five 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.

**Common Conundrums in Venous Thromboembolism**
Theater C  
MTP 046  
Professor: Nick Fitterman, MD, MACP, SFHM  
1. When is hospitalization indicated for venous thromboembolism (VTE)?  
2. What are the current standards for VTE prophylaxis of the medical and surgical inpatient?  
3. When is a cancer work-up warranted in the patient with VTE?  
4. What is the treatment for “chronic DVT” found on imaging?

**Emerging Pathogens: What’s New?**
Room 288-290  
MTP 070  
Professor: Fred A. Lopez, MD, MACP  
1. What is an emerging pathogen?  
2. What is the most up-to-date information on Zika, dengue, and chikungunya?  
3. What are some emerging pathogens associated with recreational water activity?  
*Fred A. Lopez, MD, MACP is the Massachusetts Chapter lecturer for Internal Medicine Meeting 2018. This lecture is endowed by the Massachusetts Chapter to honor an outstanding member of ACP’s annual meeting faculty.*

**Global Epidemic of Noncommunicable Diseases**
Room 353-355  
PN 033  
Moderator: Molly Cooke, MD, MACP  
Panelists: Anselm J. Hennis, MD, MSc, PhD, FACP, FRCP  
Michelle Morse, MD, MPH  
1. Define the epidemiology and geographical prevalence of noncommunicable diseases worldwide.  
2. Recognize the global health, social, and economic impact of noncommunicable diseases.  
3. Identify the causative factors leading to the explosive worldwide expansion of noncommunicable diseases.  
4. Recognize the relationship of socioeconomic status with prevalence of the noncommunicable diseases and the resulting disproportionate impact of noncommunicable diseases in low- and middle-income countries relative to high-income countries.  
5. Describe the complex relationship between infectious diseases and the noncommunicable diseases worldwide.  
6. Identify the specific challenges in addressing the causes and prevention of noncommunicable diseases, particularly in low- and middle-income countries.  
7. Recognize planned and projected international initiatives focused on addressing the explosive worldwide growth of noncommunicable diseases.

**Generational Communication Differences at Work**
Room 388-390  
PN 014  
Moderator: S. Calvin Thigpen, MD, FACP  
Panelists: Todd D. Barton, MD, FACP  
Sarah G. Candler, MD, MPH, Member  
Lawrence G. Smith, MD, MACP  
1. Describe the differences among baby boomers, Generation X, millennials, etc., and the current demographic distribution among health care elements (e.g., staff, nursing, students).  
2. Appraise the importance of personal communication in enhancing patient safety.  
3. Appraise the impact and effectiveness of electronic communication among different generations (e.g., signature with full name vs. initials, etc.).  
4. Appraise the utilization of current tools to enhance awareness of emotional intelligence and its inter-generational impact (e.g., some baby boomers may not necessarily understand emotional intelligence but may compensate with experience).
**Friday—2:15-3:45 p.m.**

**Multiple Small Feedings of the Mind: Pulmonology, Substance Abuse, and Psychiatry**

**Theater B**

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

**Panelists:**
- Kyle L. Happel, MD
- M. Philip Luber, MD
- Alexander Y. Walley, MD, MSc, Member

**Pulmonology**

1. How and when should patients with a diagnosis of asthma be further evaluated to confirm the diagnosis or identify a diagnostic error?
2. How should diagnostic testing guide treatment regimens for asthmatic patients?
3. What is the evidence-based sequence for which medications should be added for uncontrolled COPD?

**Substance Abuse**

1. What is the most evidence-based approach to medical therapy for alcohol detox and relapse prevention in the outpatient setting? What additional support should be in place when providing outpatient treatment in alcohol use disorders to increase the chance of success?
2. What prescription drugs, other than opiates and benzodiazepines, have the potential for abuse? What safeguards should primary care practitioners use when prescribing these medications?
3. In the age of marijuana legalization, how do we counsel patients on the safe use of marijuana? Who should be monitored for effects on health, and how should they be monitored?

**Psychiatry**

1. What is the most evidence-based approach to managing agitation in the patient with dementia in the outpatient setting? Is the use of benzodiazepines ever indicated?
2. What is the role of the primary care provider in evaluating a patient for a new diagnosis adult ADHD? When should patients with an existing diagnosis of adult ADHD be re-evaluated for continuation of therapy?
3. How is treatment-resistant depression defined, and what medications and non-medication therapies are recommended for it?

**Obesity Management: Lifestyle, Medicine, and Surgery**

**Room 343-345 PN 005**

**Moderator:** Ann R. Garment, MD, FACP

**Panelists:**
- Louis J. Aronne, MD, DABOM, FACP
- John M. Jakicic, PhD
- Manish Parikh, MD

1. What lifestyle modifications are most impactful in reducing weight?
2. What are the current FDA-approved medications for weight loss, and what are their common side effects?
3. When is bariatric surgery indicated, what surgical options exist, and what postoperative monitoring is required?

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

**Room 265-266 CSW 016**

**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 anatomic 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.

**A Return to Bedside Medicine: Countering the Hidden Curriculum**

**Room 271-273 PN 027**

**Moderator:** Thomas A. Bledsoe, MD, FACP

**Panelists:**
- Sanjay V. Desai, MD, FACP
- Lisa Soleymani Lehmann, MD, PhD, FACP

1. What ethical and professional values are being transmitted in the hidden curriculum?
2. Can greater recognition of the role that the hidden curriculum plays during medical education help counterbalance negative messages that may be transmitted?
3. How can the culture be positively affected?

**Update in General Internal Medicine**

**Theater A**

**Moderator:** Anna L. Golob, MD, Member

**Co-Moderator:** Maryann K. Overland, MD, Member
**Friday—2:15-3:45 p.m.**

**Using Your Clinical Data to Drive Quality Improvement and QPP Success**  
Room 260-262  
PN 048  
Moderator: Peter Basch, MD, MACP  
Panelists: Michael S. Barr, MD, MBA, MACP  
Sarah T. Corley, MD, FACP  

1. Understand the role of clinical data management registries and Qualified Clinical Data Registries (QCDRs) in quality improvement generally and in meeting Quality Payment Program (QPP) reimbursement requirements specifically.  
2. Understand how your EHR, registries, and other resources can help you meet QPP criteria, including quality, improvement activities, and advancing care information.  
3. Learn how clinical registries can be worked into practice workflow to improve care and generate data for performance reporting requirements beyond Medicare.  

**Where to Start with Medical Volunteering**  
Room 295-296  
PN 050  
Moderator: Rebecca J. Kruisselbrink, MD, FACP  
Panelists: James H. Baker, MD, MACP  
Maricruz Merino, MD, FACP  

1. What should physicians consider prior to volunteering?  
2. How do physicians choose where to volunteer?  
3. How do physicians best match their skills to need?  
4. How do we vet a volunteer organization?  

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**Friday—4:30-5:30 p.m.**

**Abnormal Liver Tests: What Do They Tell the Internist?**  
Room 353-355  
MTP 023  
Professor: Martin W. Moehlen, MD, MPH  

1. What are the liver test patterns of important drug-induced liver disease?  
2. Cholestatic liver disease—stones, tumors, or autoimmune disease?  
3. How do liver tests help in suspected alcohol disease versus nonalcoholic steatohepatitis (NASH)?  
4. What do I do when the enzymes aspartate transaminase (AST) and alanine transaminase (ALT) are greater than 1,000?  

**Cardiac Murmurs: Benign or Serious?**  
Room 265-266  
CSW 005  
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 Triad: Outpatient Management of Refractory Hypertension**  
Room 393-396  
CT 003  
Moderator: George L. Bakris, MD, FACP, FASH  
Panelists: William C. Cushman, MD, MACP  
John M. Flack, MD, MPH, MACP  
Michael A. Weber, MD, FACP  

**Segment A: Definition and Management**  
1. Has refractory hypertension become the new resistant hypertension-new definition?  
2. What is the initial approach to meet the diagnosis of refractory hypertension?  
3. What is the prevalence of refractory hypertension?  

**Segment B: Ambulatory/Home Blood Pressure Monitoring**  
1. What is the role of ambulatory blood pressure (BP) monitoring for diagnosis for white coat and masked hypertension as well as nocturnal dipping status, and what does it mean for management?  
2. Is home BP validated, and does it improve patient adherence and management?
3. What is required to validate home BP monitors, and what is affordable?

Segment C: Hypertensive Urgency
1. What is the definition of hypertensive urgency, and what is the role of sleep quality in its genesis?
2. Should all people with a BP above 180 mm Hg be treated immediately to reduce BP?
3. What medications commonly prescribed contribute to hypertensive urgency?

Diabetes Management in the Hospitalized Patient
Room 343-345 MTP 049
Professor: Vivian A. Fonseca, MD, FACP, FRCP
1. What are the goals of blood glucose treatment in patients in the hospital with other primary diagnoses?
2. When is tight control indicated?
3. When is continuous insulin infusion indicated?
4. What are the latest strategies for management of hyperglycemia in the hospitalized patient?
5. What quality improvement strategies work to improve blood glucose control in the hospital?

Emerging Infectious Diseases
Theater B MTP 050
Professor: Harold W. Horowitz, MD, Member
1. What are some emerging infectious diseases that impact hospital-based providers?
2. How significant is Clostridium difficile in 2018?
3. Are there any concerns on the horizon?
4. How can the hospitalist help the hospital be better prepared for emerging infectious diseases?

Genes for the Generalist
Room 295-296 MTP 100
Professor: Karen Weissbecker, LMSW, PhD
1. Which genetic screening tests should internists be familiar with?
2. When should an internist refer a patient for genetic counselling?
3. How should an internist counsel a patient who comes to the office with genetic testing results?

LGBT Health
Room 388-390 MTP 102
Professor: Harvey J. Makadon, MD, FACP
1. How do we explain unique health issues affecting LGBT people?
2. What is the difference between gender identity and sexual orientation?
3. How do we promote equitable care for LGBT people in clinical practice?

Meaningful Credential in a Fact-Free World: An Update from ABIM
Room 383-385 PN 009
Moderator: Richard J. Baron, MD, MACP
Panelists: Patricia M. Conolly, MD, FACP; Marianne M. Green, MD, FACP
1. Know the history of licensure and certification as a way to recognize special expertise that some doctors have and some don’t.
2. Describe recent changes in the ABIM Maintenance of Certification program.
3. Understand the role of continuing certification in assuring that doctors are staying current in knowledge and maintaining public trust.

PechaKucha™
Friday, 4:30-5:30 p.m., Theater C
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:
• Prevention is the Best Medicine: Avoiding AKI in Hospitalized Patients
• Creativity through Leonardo
• Shoulds and Should Nots: The Shoulder Exam
• Coag in Six Easy Minutes
• Monoclonal Proteins: A Significant Finding
Friday—4:30-5:30 p.m.

Navigating Alternative Payment Models under MACRA: Opportunities for Subspecialists
Room 260-262  PN 026
Moderator:  M. Carol Greenlee, MD, FACP
Panelists:  John V. Cox, DO, FACP
Hector O. Ventura, MD, FACC
1. What types of alternative payment models (APMs) are best suited for subspecialists?
2. What types of incentives are available for participating in APMs?
3. How can subspecialists maximize payments under MACRA by participating in APMs?
4. How can subspecialists be successful in APMs, and what resources are available to help achieve success?
5. What is on the horizon for new APMs, including those focused on subspecialists?

PechaKucha™
Theater C  PN 052
Moderator:  Marc J. Kahn, MD, MBA, MACP
Panelists:  Chayan Chakraborti, MD, FACP
Alice D. Ma, MD, FACP
Salvatore Mangione, MD
Joseph Mikhail, MD, MEd, FACP, FRCPC
Harold M. Szerlip, MD, FACP, FCCP, FASN, FNKF

Five outstanding speakers will be challenged to present the newest “hot-off-the-press” cutting-edge medical information using the PechaKucha™ format. Topics include:
- Prevention is the Best Medicine: Avoiding AKI in Hospitalized Patients
- Creativity through Leonardo
- Shoulds and Should Nots: The Shoulder Exam
- Coag in Six Easy Minutes
- Monoclonal Proteins: A Significant Finding

Rheumatoid Arthritis: Update on Therapies and Complications
Room 288-290  MTP 095
Professor:  David A. Fox, MD
1. What new disease-modifying antirheumatic drugs (DMARDs) will the internist encounter when caring for patients with rheumatoid arthritis (RA)?
2. What does the internist need to know about complications of specific DMARDs?
3. How should the internist assess the RA patient for cardiovascular risk?

Update in Oncology
Theater A  UD 011
Moderator:  Christian T. Cable, MD, MHPE, FACP

Why Engaging Patients Is Today’s Blockbuster Drug
Room 271-273  PN 020
Moderator:  Beverley H. Johnson
Panelists:  Desiree Collins Bradley
Crystal Wiley Cene, MD, MPH, FAHA
1. Describe the multifaceted rationale for partnership with patients and families, including improving patient outcomes and clinician joy in practice.
2. Review the current and future health care policies promoting an era of patient and family engagement.
3. Identify patient and family engagement strategies to improve process, quality, and experience of care in your practice.

Saturday—7:00-8:00 a.m.

Heal Thyself: Improving Physician Wellness–Practical Applications of Wellness Techniques: Breathing, Meditation, and Laughter
Room 270  CSW 010
Director:  Carrie A. Horwitch, MD, MPH, FACP
Faculty:  Astrid Pujari, MD
1. Apply laughter techniques for decreasing stress at work and at home.
2. Use breathing techniques for stress reduction.
3. Use meditation to improve well-being and mindfulness.

Implementing a Hospital Antibiotic Stewardship Program
Theater A  MTP 055
Professor:  Jonathan M. Hand, MD
1. What are the goals of an antibiotic stewardship program?
2. What data are needed to track success?
3. What are some practical steps to help one get started?
4. What are the dangers of antibiotic overuse?

Making the Electronic Health Record Work for You, Not Vice Versa
Room 260-262  MTP 057
Professor:  Kendall M. Rogers, MD, CPE, FACP, SFHM
1. What are some pearls for the use of clinical decision support?
2. What is the “right” level of documentation?
3. What are the latest IT solutions to help physicians in the hospital?
Scientific Program Sessions

Saturday—7:00-8:00 a.m.

**Medical Reversal: When Best Practice Changes**
Room 353-355  MTP 010  
Professor: Vinay K. Prasad, MD, MPH
1. What is medical reversal, and why is it important?
2. How can one tell which studies should change practice?
3. How should we communicate with patients about reversals that affect their care?

**Menstrual Disorders and Infertility**
Room 288-290  MTP 099  
Professor: Christine Robillard Isaacs, MD
1. What are the most common causes of infertility, and what does a basic workup involve?
2. How is polycystic ovary syndrome diagnosed and treated?
3. What should the internist know about infertility treatment?

**Outpatient Palliative Care**
Theater C  MTP 022  
Professor: Roma Tickoo, MD, MPH
1. What are the indications for palliative care evaluation in the outpatient setting?
2. What are the recommended adjunctive therapies for pain?
3. What are recommended palliative therapies for worsening delirium?

**Practical Office Orthopedics for Primary Care Providers: The Shoulder**
Room 265-266  CSW 018
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 anatomic 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.*

**Proton Pump Inhibitors: Are the Risks Real?**
Theater B  MTP 027
Professor: Paul Moayyedi, MD
1. How do you judge between harmless association vs. important causality in these PPI studies?
2. Is the association of PPIs with dementia, osteoporosis, and B12 deficiency important in our elderly population?
3. Should patients be fearful of using PPIs if they have chronic kidney disease?
4. How do you assess the risk–benefit ratio in using PPIs long term?
5. Are PPIs overused in the hospital and outpatient setting?

**Strategies for Improving Patients’ Adherence to BP Medications**
Room 343-345  MTP 076
Professor: Barry L. Carter, PharmD, FCCP, FAHNA, FASH, FAPhA
1. What are the barriers to medication adherence and how to optimally overcome them?
2. Does educating the patient in advance about side effects and when to expect them improve adherence?
3. How do you diagnose nonadherence?
4. Does home blood pressure monitoring or single-pill combination medication improve adherence?

**Transfusion in Sickle Cell Disease: More or Less?**
Room 271-273  MTP 039
Professor: Molly W. Mandernach, MD, MPH
1. What is the role of transfusion in managing vaso-occlusive crisis?
2. How is anemia best managed in the pregnant patient with sickle cell disease?
3. When is transfusion appropriate in the perioperative patient with sickle cell disease?
4. How is iron overload best managed?

**Who Should Be Hospitalized for Heart Failure and Why?**
Room 393-396  MTP 068
Professor: Ileana L. Pina, MD, MPH
1. What are the current indications for hospital admission for heart failure HF? When can HF be treated as an outpatient?
2. What other conditions mimic HF?
3. What are evidence-based strategies to reduce readmissions for HF?
4. What are complications of HF in hospitalized patients, including cardiorenal syndrome?
5. Should beta blockers be stopped the hospitalized patient with HF?
6. Should diuretics be given when there is When there is volume overload?
7. Can nitrates be helpful in the decompensated patient?
Scientific Program Sessions

Saturday—8:15-9:15 a.m.

Abnormal ECGs: Case-Based Identification and Therapies
Theater C  MTP 002  ⚪
Professor: Arnold J. Greenspon, MD
Identify conduction abnormalities and arrhythmias and understand etiologies and therapy for: Long QT, Brugada syndrome, VPCs, APCs, sinus bradycardia, MAT, wide complex tachycardia, drug-induced ventricular tachycardia, SVT, and WPW.

Asthma and Rhinosinusitis: Treatment Options
Room 260-262  MTP 084  ⚪
Professor: Mark S. Dykewicz, MD
1. What is the role for antibiotics?
2. What is the role for immunotherapy (sublingual and subcutaneous)?
3. What is the role for biologicals in asthma and rhinosinusitis?
4. When is it appropriate to refer a patient with asthma and rhinosinusitis?

Clinical Images to Improve Your Knowledge Base and Refine Your Clinical Reasoning Skills
Room 270  CSW 022
Director: Paul B. Aronowitz, MD, MACP
1. Learn some of the best “go to” resources for clinical image-based education.
2. Learn how to frame clinical image “one liners” for group challenges/learning.
3. Learn how to start and store clinical image collections.

Clinical Triad: Women’s Cancers—Screening, Prevention, and Treatment
Room 393-396  CT 004  ⚪
Moderator: Iris Tong, MD, FACP
Panelists: Lori A. Boardman, MD, ScM
Christine Robillard Isaacs, MD
Jennifer E. Potter, MD, Member
Segment A: Cervical Cancer
1. What are the guidelines for PAP and HPV testing, and how should genotyping for high-risk HPV 16 and 18 be used?
2. Which HPV vaccine and how many doses should be recommended?
3. What is a simple algorithm for the management of abnormal PAP results?
Segment B: Breast Cancer
1. What are current recommendations for breast cancer screening?
2. Which patients should receive genetic testing?
3. How should a mammogram result of dense breast tissue be managed?
4. What are common side effects of breast cancer treatment that internists should know?
Segment C: Uterine and Ovarian Cancer
1. What is new in the treatment of uterine cancer?
2. Are there screening guidelines for ovarian cancer?
3. What are the controversies of performing routine pelvic exams in asymptomatic women?

Evidence-Based Physical Diagnosis
Room 353-355  PN 053  ⚪
Moderator: Salvatore Mangione, MD
Panelists: Peter D. Sullivan, MD, Member
Michael S. Wagner, MD, FACP
1. What is the best way to approach physical diagnosis in the 21st century (including new modalities, such as ultrasound)?
2. What areas can we focus on when trying to improve physical diagnosis?
3. Which parts of the physical exam are high yield and which are low yield?
4. How can the physical exam impact the patient-physician relationship?

Hepatitis C: Routine Testing, Diagnosis, Treatment, and Cure
Room 288-290  MTP 071  ⚪
Professor: Nigel Girgrah, MD, PhD
1. How frequently and at what age should screening occur?
2. What diagnostic tests are required for staging?
3. What are the remission and cure rates of newer therapies?
4. How to navigate the cost of treatment?
5. How should primary care physicians integrate HCV treatment in their practices?

Integrating Pharmacist Co-management in Primary Care
Room 391-392  MTP 014  ⚪
Professor: Hae Mi Choe, PharmD
1. What are some effective models for pharmacist integration in primary care?
2. How should practitioners identify possible pharmacist collaborators?
3. What is the appropriate scope of practice for a pharmacist in primary care?
Saturday—8:15-9:15 a.m.

Interpreting the Medical Literature: Pearls and Pitfalls
Room 295-296  PN 012  ©
Moderator: Daniel Taichman, MD, PhD, FACP
Panelists: Catharine Stack, PhD
           John B. Wong, MD, FACP
1. Gain an understanding of basic statistical analysis and study design concepts essential to the interpretation of medical research.
2. Learn how to avoid pitfalls that can lead to serious misinterpretations of clinical studies.

The Latest Definition and Treatment of Sepsis
Room 271-273  MTP 067  © $
Professor: Karin M. Halvorson, MD
1. What are the latest guidelines for the diagnosis and treatment of sepsis?
2. Are there new modalities used to treat sepsis?
3. What are examples of successful quality improvement initiatives to improve the care of the hospitalized patient with sepsis?

Osteoporosis: Evaluation and Treatment
Theater B  MTP 093  © $
Professor: Sarah L. Morgan, MD, RD, CCD, FACP
1. Which female and male patients need dual-energy x-ray testing?
2. How do I decide which patients with low bone mass need treatment?
3. What monitoring should I prescribe, when should I recommend a drug holiday, and when do I restart therapy?
4. Is there more for me to consider than just looking at the bone density report?

Presentation Skills for Physicians: Making Your Next Teaching Presentation Go Better than Your Last
Room 388-390  MTP 011  ©
Professor: Scott C. Litin, MD, MACP
1. Organize a teaching presentation with special emphasis on an effective opening and strong closing.
2. Demonstrate helpful skills for presentation techniques.
3. Create and deliver your next presentation more effectively than you have in the past.
4. Provide constructive criticism to others regarding their presentations.

Update in Geriatric Medicine
Theater A  UD 005  ©
Moderator: Rosanne M. Leipzig, MD, PhD, FACP
Co-Moderator: Audrey K. Chun, MD

Upper GI Problems We All See: What’s New?
Room 343-345  MTP 028  ©
Professor: Colin W. Howden, MD
1. What are the best and most cost-effective treatments for H. pylori infection?
2. How do you confidently and cost-effectively diagnose functional dyspepsia?
3. Are there any new tests and treatments for gastroparesis?

Saturday—9:30-10:30 a.m.

C. Wesley Eisele Lecture: Small Practice Transformation and Primary Care Payment Models
Room 391-392  AL 002  ©
Lecturer: William E. Golden, MD, MACP
1. What does a small practice need to do to transform and succeed in new and emergent primary care payment models?
2. What lessons can be learned from Medicaid and other models of delivery and value-based incentive payments?
3. How do medical home programs, effective use of technology, and other strategies provide a leg up in the Quality Payment Program (QPP)?

Community-Acquired Pneumonia in the Hospital
Theater C  MTP 047  © $
Professor: Joanna M. Bonsall, MD, PhD, Member, SFHM
1. When does pneumonia require hospitalization?
2. What antibiotics are indicated for the presumptive treatment of pneumonia?
3. What diagnostic studies are indicated in the patient hospitalized with pneumonia?
4. What are some common mistakes in managing pneumonia in the hospital?

COPD Exacerbation: Guideline Recommendations and Prevention
Room 353-355  MTP 088  ©
Professor: Roberto P. Benzo, MD
1. How do you know it is COPD?
2. How does care coordination prevent rehospitalization?
3. What is the role for antibiotics, immunizations, N-acetylcysteine, PDE-4 inhibitors, and prednisone?
4. What is the benefit of pulmonary rehabilitation?
**Saturday—9:30-10:30 a.m.**

**Cutaneous Manifestations of Systemic Diseases**
Theater B SS 002
Professor: Julia R. Nunley, MD, FAAD, FACP
1. Which skin findings should prompt additional work-up for underlying systemic disease?
2. How can the nail examination (e.g., clubbing, nailfold capillaroscopy) contribute to the diagnosis of systemic illness?
3. How does one manage common skin manifestations of systemic illnesses?

**Delirium in the Hospitalized Patient**
Room 288-290 MTP 048
Professor: Margaret M. Beliveau, MD, FACP
1. What are common causes of delirium in the hospital?
2. How can one mitigate the development of delirium in the hospital?
3. What are the current treatment modalities for hospital-acquired delirium?
4. Which patients are at increased risk for development of delirium?

**How to Talk to Your Patients about the Cost of Their Care**
Room 270 CSW 024
Director: C. Jessica Dine, MD, MHSP, FACP
Faculty: Desiree Collins Bradley, Wendy Nickel, MPH
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.

*Note: This is a 90-minute workshop.*

**Life-Threatening ECGs Encountered in the Outpatient Setting**
Room 265-266 CSW 013
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 common clinical conditions.
3. Review ECG findings of common clinical entities.

**New Medications for Primary Care: An Update**
Room 393-396 MTP 017
Professor: Gerald W. Smetana, MD, MACP
1. Understand which new drugs, either in the pipeline or recently approved by the FDA, work by a novel mechanism and are relevant to primary care practice.
2. Learn the comparative efficacy and adverse effects for new medications and how they differ from existing drugs for the same indication.
3. Change office practice to include safe and effective new drug prescribing based on the quality of the evidence base.
4. Improve patient care through the rational use of pharmacotherapy.

**Nonalcoholic Fatty Liver Disease: The 21st Century Epidemic in Liver Disease**
Room 260-262 MTP 026
Professor: Zobair M. Younossi, MD, MPH, FACP, FACG
1. What is the clinical and economic burden of NAFLD and NASH?
2. What is the role of ultrasound, CT scan, liver biopsy, and transient elastography in making diagnosis of nonalcoholic fatty liver disease (NAFLD)?
3. Is it of prognostic significance to distinguish NAFLD from nonalcoholic steatohepatitis (NASH)? Are there any effective drug treatments for NAFLD?
4. Are there any effective drug treatments for NASH?
5. What is the role of bariatric surgery?
Saturday—9:30-10:30 a.m.

Patient Priority Care: Transitioning from What’s the Matter with You to What Matters to You
Room 295-296  PN 019  Ⓟ
Moderator: Mary Tinetti, MD, Member
Panelists: Lilian Dindo, PhD, Lauren Vo, MS, APRN, AGPCNP-BC
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. Address the resources required to implement this model of care.

Preventive Cardiology: High-Value Risk Stratification
Room 271-273  MTP 008  Ⓟ
Professor: Haitham Ahmed, MD
1. When do you need more than an LDL and HDL?
2. Lipoprotein(a): What do abnormal results really mean?
3. Who should have an hs-CRP?
4. How do I interpret a coronary calcium score and use it for risk stratification?
5. When is lifestyle modification enough?
6. Do risk assessment equations truly assess risk?

Stroke Update
Room 343-345  MTP 063  Ⓟ
Professor: Sheryl B. Martin-Schild, MD, PhD, FANPA, FAHA
1. What are the emerging treatments for hyperacute stroke?
2. What are the key interventions that reduce morbidity and mortality in stroke patients?
3. When should antithrombotic medication be used in the stroke patient, and what is the proper care of the patient after administration of antithrombotic medication?

Update in Hematology
Theater A  UD 006  Ⓟ
Moderator: Marc J. Kahn, MD, MBA, MACP

Saturday—11:15 a.m.-12:45 p.m.

Acute Coronary Syndromes: Nomenclature, Guidelines, and Drugs
Theater C  MTP 040  Ⓟ
Professor: Debabrata Mukherjee, MD, FACC, FSVMB, FSCAI, FICA
1. Which patients need to be hospitalized for chest pain?
2. How can we optimize outcomes in patients with acute coronary syndromes (ACS)?
3. What are the barriers to adherence to published guidelines?
4. Which antithrombotics/anticoagulants should be used to treat ACS in different patient populations?

Antibiotic Stewardship and Infection Control: Latest Treatments and Management
Room 343-345  PN 034  Ⓟ
Moderator: Soma Wali, MD, FACP
Panelists: Amjad Mahboob, MBBS, FACP, Erica S. Shenoy, MD, PhD
1. What are the etiology, trends, and impact of antibiotic resistance?
2. What are the best methods to track bacterial resistance patterns and outbreaks of drug-resistant organisms?
3. What are the methods and strategies of an antimicrobial stewardship program in promoting judicious antibiotic use to attenuate the rise of antibiotic resistance and adverse drug outcomes?
4. What are the principles and goals of infection control?
5. What are the methods and strategies that infection control uses to investigate and stem an outbreak, exposure, and/or hospital-acquired infections?

Cardiac Murmurs: Benign or Serious?
Room 265-266  CSW 006
Co-Directors: Vivian T. Obeso, MD, FACP, Ross J. Scalese, MD, PhD
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.
Saturday—11:15 a.m.-12:45 p.m.

**Clinical Pearls: Dermatology and Sexual Medicine**

Theater B  CP 003  
Moderator:  John B. Bundrick, MD, FACP  
Panelists:  Mark Davis, MD  
Jordan Rullo, MD, PhD, ABPP

**Common Allergic Conditions**

Room 353-355  MTP 092  
Professor:  John M. Kelso, MD  
1. How can I distinguish drug intolerance from allergy, and when should I refer for desensitization?  
2. What does the internist need to know about food allergies? What evaluation is appropriate?  
3. What is the role of sublingual immunotherapy in the treatment of allergic disease?

**Common Sleep Disorders**

Room 271-273  MTP 087  
Professor:  Barbara Phillips, MD, MSPH, FCCP  
1. What is the evidence-based approach to evaluation and treatment of insomnia?  
2. What are the therapeutic options for a patient with sleep apnea who does not wish to use CPAP?  
3. What therapies are supported by evidence for periodic limb movements during sleep?

**Diabetes: New Drugs and Recent Clinical Trials**

Room 393-396  MTP 019  
Professor:  William H. Herman, MD, MPH, FACP  
1. What are the new medications in diabetes, and when should they be used in management?  
2. What is the recent evidence from clinical trials regarding the benefits of different diabetes therapies on cardiovascular disease?  
3. When and how should insulin therapy be initiated?

**Getting Paid: Navigating Your Career as a Woman in Medicine**

Room 388-390  PN 022  
Moderator:  Rita K. Kuwahara, MD, MIH, Resident/Fellow Member  
Panelists:  Carol K. Bates, MD, FACP  
Susan Thompson Hingle, MD, MACP  
1. Discuss gender pay disparities and discrimination with female panelists from varying backgrounds and life experiences.  
2. Provide practical advice for female colleagues, such as negotiating contracts, finding time for research and nonclinical interests, and starting and maintaining a family.

**Learning to Avoid “Contextual Errors” When Planning Patient Care**

Room 270  CSW 011  
Director:  Saul J. Weiner, MD, Member  
Faculty:  Amy Binns-Calvey  
Benjamin Kass  
Brendan F. Kelly  
1. Describe the essential role of patient context in planning appropriate care.  
2. Probe contextual issues when present, specifically asking patients or their families about major signs that life circumstances are impacting their care.  
3. Adapt patient care to life context when opportunities to do so are present.  
4. Describe the implications for health care outcomes and health care costs of inattention to patient context.

**Managing Pain in the Hospital**

Room 288-290  MTP 058  
Professor:  Andrew Esch, MD, MBA  
1. What options are available for pain management?  
2. How should opioids be used in the hospital?  
3. What cautions should be followed when discharging patients with a prescription for opioids?  
4. How does one approach patients who are opioid-dependent but admitted for other reasons?

**Sustaining Your Quality Improvement Project**

Room 391-392  PN 015  
Moderator:  Sima Suhas Pendharkar, MD, MPH, FACP  
Panelists:  Shana P. Ratner, MD, FACP  
Lawrence Ward, MD, MPH, FACP  
1. Describe how to choose a quality improvement topic that will align with institutional goals to promote sustainability.  
2. Appreciate the importance of developing a sustainability plan early in project planning as opposed to the end.  
3. Demonstrate how change theory can be utilized to enhance the success of quality improvement projects.  
4. Recognize the importance of starting with the question “Why?” when conducting quality improvement.  
5. Define quality improvement strategies, and understand the importance of establishing a process owner.
Scientific Program Sessions

Saturday—11:15 a.m.-12:45 p.m.

Team-Based Care: Making Interprofessional Practice Work in Primary Care
Room 260-262  PN 044
Moderator:  Alan W. Dow, MD, MSHA, FACP
Panelists:  Hae Mi Choe, PharmD  Lesley Manson, PsyD
1. Practical approaches to integrating non-physicians (such as NP, PA, PharmD, psychologist, social worker) into primary care, including case examples of successful team-based practices.
2. Explore how to implement non-physician collaboration in the clinical environment both from a business, compliance, and evidence-based standpoint.
3. Learn how integration of non-physicians into primary care can increase access to care, improve quality, and enhance patient and provider satisfaction.

Update in Gastroenterology and Hepatology
Theater A  UD 003
Moderator:  David A. Katzka, MD

What Physicians Really Need from EHRs to Be Successful in a Value-Based World
Room 295-296  PN 041
Moderator:  Elmer V. Bernstam, MD, MSE, FACP
Panelists:  Michael S. Barr, MD, MBA, MACP  B. Vindell Washington, MD, MHCM, FACEP
1. Learn about health information technology (IT) functionality that can streamline data viewing, workflow, and documentation.
2. Learn methods and processes required to work with electronic health records (EHR) vendors and other IT support staff to customize systems to better meet clinical requirements.
3. Explain important concepts in EHR contracts, including example contract language, to help providers and health administrators in planning to acquire an EHR system and negotiating contract terms with vendors.
4. Identify areas in EHR systems that may be good candidates for improvement in functionality for good and efficient clinical care, as well as for payment.
5. Identify current resources that practices can use to find practical information and guidance on specific topics as they research, buy, use, or switch EHRs.

Saturday—2:15-3:45 p.m.

The Art of Observation and the Observation of Art
Room 288-290  MTP 013
Professor:  Salvatore Mangione, MD
1. Enhance the “visual literacy” of participants.
2. Improve bedside observation.
3. Help participants identify at first glance pathognomonic findings.
4. Have them link these findings to artworks that first described them.
5. Emphasize the importance of visual–spatial thinking.
6. Reiterate the links between humanities and science.

Ethics Year in Review
Room 388-390  PN 029
Moderator:  Lauris C. Kaldjian, MD, PhD, FACP
Panelists:  Lydia S. Dugdale, MD, Member  Joseph J. Fins, MD, MACP
1. What are the emerging medical ethics and professionalism issues for internists today?
2. How do ethics issues affect patient care?
3. What should clinicians consider when confronting these issues?

Infectious Diseases for the International Volunteer
Room 271-273  PN 049
Moderator:  Elisa I. Choi, MD, FACP
Panelists:  Laura Chambers-Kersh, MD  Laura Elyse Shevy, MD
1. How can physicians volunteering abroad best prepare for emerging and endemic infections?
2. What are commonly encountered infections abroad, and how do we diagnose, treat, and reduce infections in resource-limited settings?
3. What strategies can we use to reduce infections in international settings?

Mastering the Match
Room 391-392  PN 025
Moderator:  Robert Dobbin Chow, MD, MACP
Panelists:  David F. Jacobson, MD, FACP  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?
Scientific Program Sessions

Saturday—2:15-3:45 p.m.

Motivational Interviewing for the Busy Clinician
Room 270  CSW 014
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 (BAP).
2. Understand the MI concepts of “change talk” and “resisting the righting reflex”.
3. Describe the three questions and five skills used in a BAP interaction.
4. Describe how BAP can be used to support patient self management.

Multiple Small Feedings of the Mind: Cardiology, Diabetes, and Obesity & Nutrition
Theater B  MSFM 003
Moderator: Rachel P. Brook, MD, Member
Panelists: Matthew J. Freeby, MD
Venkatesh K. Raman, MD
Fatima Cody Stanford, MD, MPH, MPA, FACP, FAAP, FTOS
Cardiology
1. Which patients should be considered for PCSK9 inhibitor therapy? What are the important side effects of therapy, and how does it affect statin dosing?
2. What is the prognostic value of coronary artery calcium scores, and how should it guide additional testing?
3. What is the most cost-effective approach to evaluating a patient with suspected heart failure with preserved ejection fraction (HFpEF)?
Diabetes
1. Which anti-diabetic agents have evidence for cardiovascular benefit? For weight loss?
2. How should patient comorbidities affect choice of non-insulin anti-diabetic agents?
3. What is the best management approach to a patient with pre-diabetes?
Obesity & Nutrition
1. Which diets are supported by the best evidence for maintaining long-term weight loss and/or preventing onset of diabetes and cardiovascular disease?
2. What is the most evidence-based approach for selecting weight loss agents and identifying duration of treatment?
3. How should primary care practitioners monitor patients who have had bariatric procedures for long-term complications? Of which long-term surgical complications should they be aware?

Outpatient Coding: Do It Right and Get Paid for What You Do
Room 260-262  MTP 109
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 nonclinical, yet essential, part of medical practice?

Prescribing Apps: An Interactive mHealth Workshop
Room 295-296  PN 023
Moderator: Krishna R. Juluri, MD, PhD, Resident/Fellow Member
Panelists: Bradley J. Benson, MD, FACP
Satish Misra, MD
1. Highlight the role of patient-operated smartphone apps to promote health and wellness.
2. Showcase several effective and accurate apps in an interactive manner that physicians can “prescribe” to their patients.

The Provider as a Second Victim in Hospital Misadventures
Room 343-345  PN 007
Moderator: John B. Bulger, DO, MBA, MACP
Panelists: Susan D. Scott, PhD, RN, CPPS, FAAN
Albert W. Wu, MD, MPH, FACP
1. What does one mean by “second victim”?
2. How does one create a culture of support for providers?
3. What is the impact of second victim on individuals and the health care team?

Radiology Rounds in the Hospital: A Case-Based Discussion
Theater C  MTP 062
Professor: Catherine Curley, MD, MS, FACP
1. What are common findings that go unrecognized in hospitalized patients?
2. When is it important to collaborate with a radiologist?
3. How can we foster better collaboration between internists and radiologists?
**Update in Women’s Health**

**Theater A**

**Moderator:** Melissa McNeil, MD, MPH, MACP

**Co-Director:** Sarah A. Tilstra, MD, MS, FACP

### Vitamin D Deficiency: When to Treat?

**Room 393-396**

**Professor:** Clifford J. Rosen, MD

1. When should vitamin D deficiency be assessed for in clinical practice, and what clinical cut-offs should be used?
2. What clinical conditions may benefit from vitamin D replacement?
3. What forms of vitamin D are available, and which are preferred for treatment?

**Saturday—2:15-3:45 p.m.**

**The Adolescent and Young Adult in the Hospital**

**Room 288-290**

**Professor:** Nicole L. Mihalopoulos, MD, MPH, FACP

1. Who should care for hospitalized adolescents?
2. What special considerations should be taken into account in the care of hospitalized adolescents and young adults?
3. How are adults with cystic fibrosis, sickle cell disease, Down syndrome, and congenital heart disease best managed in the hospital?

**Assessing Older Drivers’ Safety: When Is It Time to Give Up the Keys?**

**Room 271-273**

**Professor:** Alice K. Pomidoro, MD, MPH, AGSF

1. What are red flag indicators that can show up in the clinical history for at-risk drivers?
2. What screening tools can be used in an office practice to assess for driving impairments?
3. What ethical and legal responsibilities do clinicians need to take into account when reporting unsafe elderly drivers?

**Saturday—4:00-5:00 p.m.**

**Atrial Fibrillation: Drugs, Devices, and Ablation**

**Theater B**

**Professor:** Jordan M. Prutkin, MD, MHS

1. What are the advantages of rhythm versus rate control?
2. Which antiarrhythmics should be used for which patients?
3. Which anticoagulants should be used for which patients?
4. When is it time for ablation?
5. Who should have left atrial appendage occlusion?
6. How are the benefits of anticoagulation in elderly patients balanced against the risk of bleeding?

**Contraception**

**Room 295-296**

**Professor:** Pelin Batur, MD, NCMP, CCD, FACP

1. Which forms of contraception are most effective?
2. Which forms of contraception are recommended for women with medical disorders?
3. What are clinical pearls for practical prescribing?

**GI Bleeding: What Do the New Guidelines Recommend?**

**Room 353-355**

**Professor:** Alan N. Barkun, MD, CN, MSC, FACP

1. What are the current roles of nasogastric lavage and intravenous proton pump inhibitors in the evaluation and treatment of acute upper GI bleeding?
2. Has the small bowel pill camera made a difference in the diagnosis and treatment of occult GI bleeding?
3. Lower GI bleeding: Is there a role for early aggressive colonoscopy or just wait until the bleeding stops?
4. What should be the hemoglobin goal in patients with GI bleeding?

**Hematologic and Oncologic Emergencies in the Hospital**

**Room 343-345**

**Professor:** Christian T. Cable, MD, MHPE, FACP

1. What is the current treatment for neutropenic fever?
2. What things should providers be aware of in the differential diagnosis that may be indicative of cancer?
3. What are the signs, symptoms, and treatments of tumor lysis syndrome?
4. What are the signs, symptoms, and treatment of transfusion reactions?

**Immunization Update for Adolescents and Adults**

**Room 260-262**

**Professor:** Melinda Wharton, MD, MPH

1. What are the current recommendations for use of zoster vaccine?
2. How effective are current influenza vaccines?
3. What are the current recommendations for use of pneumococcal vaccines?
Managing Fibromyalgia and Other Central Pain Syndromes
Room 388-390 MTP 090
Professor: Carmen E. Gota, MD
1. What is the neurophysiology of diffuse body pain when the objective tests are all normal?
2. How much testing is needed to diagnose a fibromyalgia or central pain syndrome?
3. What evidence-based treatments should I recommend, and what if they do not work?

Psychiatry for the Non-psychiatrist: Depression, Anxiety, PTSD, and ADHD
Theater C MTP 082
Professor: Heidi Combs, MD
1. What non-medical therapies have benefit for depression?
2. What medical therapies have the best evidence for anxiety disorders?
3. What medical therapies have the best evidence for ADHD?

Reimagining Quality Measurement and Accountability: How Physicians, Payers, and Patients Propose to Fix a Broken System
Room 391-392 PN 032
Moderator: Shari M. Erickson, MPh
Panelists: Eileen Barrett, MD, MPH, FACP
William E. Kramer, MBA
1. How can performance measures be reinvented to be more relevant, meaningful, and useful to clinicians, patients, consumers, and purchasers alike?
2. How can public reporting on measures be improved?
3. What is ACP doing to ensure that measures meet the Triple Aim?
Saturday—4:00-5:00 p.m.

Stroke: Outpatient Prevention and Subsequent Management
Room 393-396 MTP 079
Professor: Scott A. Vota, DO
1. What is the best evidence-based approach to stroke prevention?
2. How should the internist evaluate the patient with recent TIA symptoms?
3. What is the role of extended monitoring or advanced imaging in stroke management?

Update in Nephrology and Hypertension
Theater A UD 009
Moderator: Mark Sarnak, MD, MS

Saturday—5:15-6:30 p.m.

Internal Medicine Meeting 2018 Highlights: Key Messages You’ll Want to Take Home and Doctors’ Dilemma*: The Finals
La Nouvelle Ballroom C IMH 001
Highlights Moderator: Marc J. Kahn, MD, MBA, MACP
Highlights Panelists: Robert L. Hernandez Jr., MD, Member Nina Mingioni, MD, FACP Harold M. Szerlip, MD, FACP, FCCP, FASN, FNKF
Doctors’ Dilemma Moderator: Melissa (Moe) Hagman, MD, FACP

Procalcitonin: Use in Practice

- 200,000 COPD patients; 5% with PCT testing
- Weak association with fewer abx starts
- No association with duration of therapy

Lindauer, In Press. 2017

- 85% did not get more than 1 PCT test

Lindauer, In Press. 2017
Vaughn, Submitted. 2016
Sessions designed for physicians who primarily practice in an inpatient setting.

If you practice in an inpatient setting, consider following the Hospitalist Track. Sessions 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.

**Acute Coronary Syndromes: Nomenclature, Guidelines, and Drugs**
Saturday 11:15 a.m.-12:45 p.m. Theater C MTP 040

**The Adolescent and Young Adult in the Hospital**
Saturday 4:00-5:00 p.m. Room 288-290 MTP 066

**Antibiotic Stewardship and Infection Control: Latest Treatments and Management**
Saturday 11:15 a.m.-12:45 p.m. Room 343-345 PN 034

**Atrial Fibrillation in the Hospital: A Case-Based Approach**
Friday 2:15-3:45 p.m. Room 393-396 MTP 041

**Case Studies in End-of-Life Care in the Hospital**
Friday 11:15 a.m.-12:45 p.m. Room 260-262 MTP 042

**Case-Based Basic Inpatient Mechanical Ventilation**
Friday 8:15-9:15 a.m. Room 288-290 MTP 043

**Clinical Triad: Periprocedural Management of Oral Anticoagulants: When and How to Stop**
Friday 8:15-9:15 a.m. Room 393-396 CT 002

**Co-management of Orthopedic Patients**
Thursday 11:15 a.m.-12:45 p.m. Room 393-396 MTP 045

**Common Conundrums in Venous Thromboembolism**
Friday 2:15-3:45 p.m. Theater C MTP 046

**Community-Acquired Pneumonia in the Hospital**
Saturday 9:30-10:30 a.m. Theater C MTP 047

**Consult Talk**
Thursday 4:30-5:30 p.m. Room 343-345 PN 001

**Delirium in the Hospitalized Patient**
Saturday 9:30-10:30 a.m. Room 288-290 MTP 048

**Diabetes Management in the Hospitalized Patient**
Friday 4:30-5:30 p.m. Room 343-345 MTP 049

**Emerging Infectious Diseases**
Friday 4:30-5:30 p.m. Theater B MTP 050

**Evidence-Based Physical Diagnosis**
Saturday 8:15-9:15 a.m. Room 353-355 PN 053

**Hazards of Hospitalization in the Elderly: Get Them Out of Bed and Moving**
Thursday 4:30-5:30 p.m. Room 271-273 MTP 031

**Health Care–Associated Infections: CAUTI, VAP, HAP, CLABSI, C. diff**
Friday 8:15-9:15 a.m. Room 260-262 MTP 052

**Hematologic and Oncologic Emergencies in the Hospital**
Saturday 4:00-5:00 p.m. Room 343-345 MTP 053

**HIV/AIDS in the Hospital**
Thursday 7:00-8:00 a.m. Room 271-273 MTP 054

**Hospital Inpatient Coding: Thinking inside the Box**
Thursday 11:15 a.m.-12:45 p.m. Room 260-262 MTP 108
Hospitalized but not Admitted: Outpatient (Observation) Care for the Inpatient Attending  
Thursday  8:15-9:15 a.m.  
Room 391-392  
MTP 044

Implementing a Hospital Antibiotic Stewardship Program  
Saturday  7:00-8:00 a.m.  
Theater A  
MTP 055

Inpatient Management of the Patient with Cirrhosis  
Friday  9:30-10:30 a.m.  
Room 388-390  
MTP 056

The Latest Definition and Treatment of Sepsis  
Saturday  8:15-9:15 a.m.  
Room 271-273  
MTP 056

Making the Electronic Health Record Work for You, Not Vice Versa  
Saturday  7:00-8:00 a.m.  
Room 260-262  
MTP 057

Managing Pain in the Hospital  
Saturday  11:15 a.m.-12:45 p.m.  
Room 288-290  
MTP 058

Medication Reconciliation  
Friday  7:00-8:00 a.m.  
Room 288-290  
MTP 059

Morbidity and Mortality Conference 2018  
Friday  9:30-10:30 a.m.  
Room 343-345  
MTP 059

Obstetric Medicine: Medical Management of the Pregnant Patient and Inpatient Management of Acute Medical Illness  
Friday  11:15 a.m.-12:45 p.m.  
Room 353-355  
PN 006

Point-of-Care Ultrasonography  
Thursday  7:00-8:00 a.m.  
Room 388-390  
MTP 103

Preoperative Evaluation  
Thursday  8:15-9:15 a.m.  
Room 343-345  
MTP 081

The Provider as a Second Victim in Hospital Misadventures  
Saturday  2:15-3:45 p.m.  
Room 343-345  
PN 007

Providing High-Value Care in the Hospital: A Systems Approach  
Friday  7:00-8:00 a.m.  
Room 343-345  
MTP 061

Radiology Rounds in the Hospital: A Case-Based Discussion  
Saturday  2:15-3:45 p.m.  
Theater C  
MTP 062

Stroke Update  
Saturday  9:30-10:30 a.m.  
Room 343-345  
MTP 063

Substance Abuse Disorders in the Hospitalized Patient  
Thursday  4:30-5:30 p.m.  
Room 388-390  
MTP 064

Syncope: The 24-Hour Hospital Work-up  
Thursday  7:00-8:00 a.m.  
Theater C  
MTP 065

Update in Hospital Medicine  
Thursday  2:15-3:45 p.m.  
Theater A  
UD 007

Update in Pulmonary and Critical Care Medicine  
Thursday  11:15 a.m.-12:45 p.m.  
Theater A  
UD 012

Who Should Be Hospitalized for Heart Failure and Why?  
Saturday  7:00-8:00 a.m.  
Room 393-396  
MTP 068
Join us in celebrating Annals of Internal Medicine’s 90th anniversary!

Celebrating 90 Years of Clinical Excellence

Track 90 remarkable years of progress! Enjoy a video featuring Annals editor-in-chief Christine Laine, MD, MPH, FACP, and explore an interactive timeline of the changes and issues that have shaped Annals into the world-renowned journal it is today.

Visit Annals’ 90th anniversary page at go.annals.org/90th-anniversary.
For the First Time at Internal Medicine Meeting—Annals Story Slam!

“On Being a Doctor”

Come to Annals Story Slam and be inspired as you listen to 10 of your colleagues share thought-provoking stories from their lives as physicians. Celebrate storytelling by and for physicians!

Saturday, April 21 | 9:30-11:15 a.m.
Ballroom C | Convention Center

Come hear your physician colleagues’ inspiring stories. A free event open to all attendees; registration is required. Register at annualmeeting.acponline.org/storyslam.
Do you enjoy small-group interactive learning? Get the hands-on experience that can transform the way you practice medicine.

The Herbert S. Waxman Clinical Skills Center is a dynamic collection of educational activities that provide hands-on learning and interactive self-study. Numerous topics and varied workshop lengths give Internal Medicine Meeting 2018 attendees a unique opportunity to customize their hands-on 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: 8:30 a.m.-6:00 p.m.
Friday: 8:00 a.m.-6:00 p.m.
Saturday: 8:00 a.m.-3:00 p.m.

All Waxman Center activities are located inside Hall I-1. See map on page 60 of this program.

Ticketing
Because of high demand, Clinical Skills Center activities are reserved, ticketed sessions. Ticketing for Waxman Center activities was conducted online in advance of Internal Medicine Meeting 2018. There is no onsite registration for the Waxman 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.

Walk-in 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.

Special Presentations in the Waxman Center

Healthcare After Hurricanes
Colleagues share their experiences of practicing medicine after a natural disaster, and provide insights on providing care with limited resources.

Lessons Learned from Katrina
Friday: 11:15 a.m.-12:00 p.m.
Speaker:
Peter M. Deblieux, MD
Medical Director, University Medical Center-New Orleans

The Puerto Rico Experience
Friday: 2:15–3:00 p.m.
Speakers:
Jose Lozada-Costas, MD, FACP
Chapter Governor
Myriam Z. Allende-Vigo, MD, FACP
Chapter Governor-Elect
Tickets are not required for these special presentations.
The scientific program offers over 200 sessions designed to accommodate large audiences. Some scientific sessions include discussion of skills, which are explored in greater depth in small-group Clinical Skills Workshops or in hands-on activities in the Waxman Clinical Skills Center. Following is a summary of scientific sessions and their complementary clinical skills activities.

**Cardiology**

**Abnormal ECGs: Case-Based Identification and Therapies**

MTP 002  Saturday, 8:15-9:15 a.m.  Theater C

**Clinical Skills Workshop:**

Life-Threatening ECGs Encountered in the Outpatient Setting

CSW 012  Friday, 9:30-10:30 a.m.  Room 265-266

CSW 013  Saturday, 9:30-10:30 a.m.  Room 265-266

**Waxman Clinical Skills Center Activity:**

ECG Self-Guided Tour

Valvular Heart Disease: Diagnosis and Management

MTP 009  Thursday, 8:15-9:15 a.m.  Room 260-262

**Clinical Skills Workshop:**

Cardiac Murmurs: Benign or Serious

CSW 004  Friday, 11:15 a.m.-12:45 p.m.  Room 265-266

CSW 005  Friday, 4:30-6:00 p.m.  Room 265-266

**Waxman Clinical Skills Center Activity:**

Cardiac Diagnosis with Harvey, the Cardiopulmonary Patient Simulator

Refer to pages 58-59 for schedule of Clinical Skills Center activities.

**Medical Practice Management**

Promoting Physician Well-Being: Reducing the Burdens and Restoring the Purpose of Practice

PN 046  Friday, 7:00-8:00 a.m.  Room 260-262

**Clinical Skills Workshops:**

Heal Thyself: Improving Physician Wellness—Practical Applications of Wellness Techniques

CSW 009  Thursday, 4:30-5:30 p.m.  Room 270

CSW 010  Saturday, 7:00-8:00 a.m.  Room 270

Targeting the 4th Aim: Improving Physician Wellness and Reducing Burnout in Practice and the Community

CSW 019  Thursday, 11:15 a.m.-12:45 p.m.  Room 270

CSW 020  Friday, 11:15 a.m.-12:45 p.m.  Room 270

**Ophthalmology and Otolaryngology**

**Ophthalmology Cases for the Internist**

SS 001  Thursday, 8:15-9:15 a.m.  Room 288-290

**Waxman Clinical Skills Center Activity:**

Ophthalmoscopie Skills

Refer to pages 58-59 for schedule of Clinical Skills Center activities.

**Rheumatology and Allergy & Immunology**

**Practical Office Orthopedics: The Knee**

MTP 094  Thursday, 2:15-3:45 p.m.  Room 343-345

**Clinical Skills Workshops:**

Practical Office Orthopedics for Primary Care Providers: The Knee

CSW 015  Thursday, 7:00-9:00 a.m.  Room 265-266

CSW 016  Friday, 2:15-4:15 p.m.  Room 265-266

Practical Office Orthopedics for Primary Care Providers: The Shoulder

CSW 017  Friday, 7:00-9:00 a.m.  Room 265-266

CSW 018  Saturday, 7:00-9:00 a.m.  Room 265-266

**Waxman Clinical Skills Center Activities:**

Arthrocentesis and Bursal Injection

Diagnosis-Driven Physical Examination of the Knee

Diagnosis-Driven Physical Examination of the Shoulder

Refer to pages 58-59 for schedule of Clinical Skills Center activities.

**Women’s Health**

**Contraception**

MTP 098  Saturday, 4:00-5:00 p.m.  Room 295-296

**Clinical Skills Workshop:**

A Complete Contraceptive Toolkit: Cases and Demos

CSW 002  Thursday, 11:15 a.m.-12:45 p.m.  Room 265-266

CSW 003  Thursday, 2:15-3:45 p.m.  Room 265-266

**Additional Topics**

**Point-of-Care Ultrasonography**

MTP 103  Thursday, 7:00-8:00 a.m.  Room 388-390

**Waxman Clinical Skills Center Activities:**

Building Your Ultrasound Portfolio: Image and Feedback

US-Guided Central Venous Line Placement

US-Guided Lumbar Puncture

US-Guided Paracentesis

US-Guided Thoracentesis

Refer to pages 58-59 for schedule of Clinical Skills Center activities.
**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
Kenneth A. Epstein, MD, Member
Matthew Gorgone, DO, Resident/Fellow Member
Paul F. Howard, MD, MACP, FACP (Course Director)
Kevin J. Kempf, MD, FACP, FACR
Marcia G. Ko, MD, FACP
Eric A. Peters, MD, FACP, FACR
J. Ross Petersen, MD, Resident/Fellow Member
Dominick G. Sudano, MD, 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, go to annualmeeting.acponline.org/csvideos. The video can also be viewed on the computers in the Interactive Resources Area located in the center of the Clinical Skills Center. Scan the QR code on page 57 to watch any of the Waxman Center prerequisite videos online with your smartphone or tablet.

**Building Your Ultrasound Portfolio:**
**Image Review and Feedback**
1-hour sessions
**Thursday:** 10:00 a.m., 11:30 a.m., 2:00 p.m., 3:30 p.m.
**Friday:** 8:00 a.m., 9:30 a.m.

**Faculty:**
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
Vivian T. Obeso, MD, FACP
Hector Fabio Rivera, MD, FACP
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, RN, 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 ulcer.

**Diagnosis-Driven Physical Examination of the Knee**
1-hour sessions
**Friday:** 11:30 a.m., 3:00 p.m.
**Saturday:** 8:00 a.m., 11:30 a.m.

**Faculty:**
Sameer Dixit, MD, FACP
Kevin Eerkes, MD
David G. Liddle, MD, FACP
Amy Powell, MD, 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 Waxman 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, go to annualmeeting.acponline.org/csvideos. The video can also be viewed on the computers in the Interactive Resources Area located in the center of the Clinical Skills Center. Scan the QR code on page 57 to watch any of the Waxman Center prerequisite videos online with your smartphone or tablet.

**Diagnosis-Driven Physical Examination of the Shoulder**

1-hour sessions

**Friday:** 1:00 p.m., 4:30 p.m.

**Saturday:** 9:30 a.m., 1:00 p.m.

**Faculty:**

Sameer Dixit, MD, FACP  
Kevin Eerkes, MD  
David G. Liddle, MD, FACP  
Amy Powell, MD, FACP  
Carlin H. Senter, MD, FACP (Course Director)  
Selina Shah, MD, FACP  
Nicole G. Stern, MD, FACP  
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 Waxman 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, go to annualmeeting.acponline.org/csvideos. The video can also be viewed on the computers in the Interactive Resources Area located in the center of the Clinical Skills Center. Scan the QR code on page 57 to watch any of the Waxman Center prerequisite videos online with your smartphone or tablet.

**Foot and Ankle Disorders**

1.5-hour sessions

**Thursday:** 10:00 a.m., Noon  
**Friday:** 8:30 a.m., 10:30 a.m.

**Faculty:**

Julie M. Chen, MD, FACP  
CAPT Kim F. Gibson, MD, FACP, MC, USN  
LTC Renee Mallory, MD, MPH, 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.

**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:**

Gregory Casey, DO  
Lisa M. Filippone, MD  
Brian Freeze, MD  
Anthony S. Mazzeo, MD, FACEP, FAAEM (Course Director)  
Kevin Patel, 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:** 9:00 a.m., 10:30 a.m., Noon  
**Friday:** 10:30 a.m., Noon, 1:30 p.m.  
**Saturday:** 8:00 a.m., 9:30 a.m., 11:00 a.m.

**Faculty:**

Anshu R. Abhat, MD, MPH, Member  
YiJu Teresa Liu, MD  
Kristin E. Schwab, MD, Member  
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:** 8:30 a.m., 10:30 a.m., 12:30 p.m., 2:30 p.m., 4:30 p.m.

**Saturday:** 8:30 a.m., 10:30 a.m.

**Faculty:**

Eve Bargmann, MD, Member

Eugene C. Corbett Jr., MD, MACP (Course Director)

Simon J. Lehtinen, MD, FACP

J. Andrew Starr, MD, Resident/Fellow Member

This workshop is designed to enhance ophthalmoscopic examination of the cornea; anterior chamber; lens; and retina, including venous pulsations.

**PICC Line Placement**

1.5-hour sessions

**Friday:** 8:00 a.m., 9:30 a.m., 11:00 a.m.

**Saturday:** 8:00 a.m., 9:30 a.m.

**Faculty:**

Hailey Hogue, MD, Member

Michael J. McNeal, MD, Member

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.

**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, SFHM

Duyen T. Faria, DO

Auguste H. Fortin VI, MD, MPH, MACP (Course Director)

Carrie A. Horwitch, MD, MPH, FACP

Kevin Patel, 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, go to annualmeeting.acponline.org/csvideos. The video can also be viewed on the computers in the Interactive Resources Area located in the center of the Clinical Skills Center. Scan the QR code on page 57 to watch any of the Waxman Center prerequisite videos online with your smartphone or tablet.

**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

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, go to annualmeeting.acponline.org/csvideos. The video can also be viewed on the computers in the Interactive Resources Area located in the center of the Clinical Skills Center. Scan the QR code on page 57 to watch any of the Waxman Center prerequisite videos online with your smartphone or tablet.

Ultrasound-Guided Central Venous Line Placement

2-hour sessions
Thursday: 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., 2:30 p.m.
Friday: 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., 2:30 p.m.
Saturday: 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.

Faculty:
Rita N. Bakhru, MD, MS
Keith Boniface, MD
Ann Bunyan, MD, Resident/Fellow Member
Joan Hoch Kinniry, MSN, CRNP
Paul A. Kinniry, MD, Member
Aravind A. Menon, MBBS, Resident/Fellow Member
Shruti B. Patel, MD, Member
William Schweickert, MD, Member (Course Director)
Hamid Schweickert, MD, MPH, RDSM, 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:
Krayton Blower, DO, Resident/Fellow Member
Mubeen S. Cheema, MD, Resident/Fellow Member
Amanda Grippen, DO, Resident/Fellow Member
Bahar Kapoor, MD, Resident/Fellow Member
Robert Nathanson, MD, Member (Course Director)
Michelle Ogunwole, MD
Enrique Rincon, MD, Member
Patricia I. Wathen, MD, FACP

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: 9:00 a.m., 11:00 a.m.
Friday: 9:00 a.m., 11:00 a.m.
Saturday: 9:00 a.m., 11:00 a.m.

Faculty:
Ola Al Sous, MD, Member
Alyssa V. Burkhart, MD, FACP
Sara Dunbar, DO, Resident/Fellow Member
Kierstin Cates Kennedy, MD, MSHA, Member
Joshua D. Lenchus, MD, FACP, SFHM (Course Director)
Mena Ramos, MD

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 Thoracentesis

1.5-hour sessions
Thursday: 1:00 p.m., 3:00 p.m.
Friday: 1:00 p.m., 3:00 p.m.

Faculty:
Aaron J. Calderon, MD, FACP, SFHM (Course Director)
Sara Dunbar, DO, Resident/Fellow Member
Emily Gilbert, MD
Joan Hoch Kinniry, MSN, CRNP
Paul A. Kinniry, MD, Member
Tonya Lundquist, MD, FACP, FHM
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.
Tickets Are Not Required for the Following Activities.
Participation is on a first-come, first-served basis.

Clinical Skills Center Interactive Resources
Interactive software and instructional videos on several important clinical skills will be available on the computer stations at the Clinical Skills Center Interactive Resources Area (see Clinical Skills Center map on page 60).

These computers also allow you to explore online resources from ACP, including clinical decision support, medical education products, and practice resources.

ECG Self-Guided Tour
Thursday: First tour, 9:30 a.m.; last tour, 5:00 p.m.
Friday: First tour, 8:00 a.m.; last tour, 5:00 p.m.
Saturday: First tour, 8:00 a.m.; last tour, 2:00 p.m.

Faculty:
Lisa Filippone, MD (Course Director)
Content Reviewer:
Behzad B. Pavi, MD
Narrator:
Cynthia (Daisy) D. Smith, MD, FACP

Improve your ECG interpretation skills by engaging in this self-guided activity that includes viewing posters of ECGs, answering related multiple-choice questions, and listening to an expert explain the correct answer and identify key electrocardiographic findings. This is not a ticketed session, and the activity has no time limit. Participation is on a first-come, first-served basis according to the availability of audio devices.

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/csvideos

(The videos can also be viewed on the computers in the Interactive Resources Area located in the center of the Clinical Skills Center.)

2018 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:

Ann Bunyan, MD
MacNeil Hospital

Sara Dunbar, DO
Medical College of Wisconsin

Amanda Grippen, DO
University of Iowa Hospitals and Clinics

Matthew Gorgone, DO
University of Rochester/Strong Memorial Hospital

Aravind A. Menon, MBBS
Boston University Medical Center

Kevin K. Patel, MD
Christiana Care Health System
## Schedule of Activities

<table>
<thead>
<tr>
<th>Activity</th>
<th>Time Details</th>
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<tbody>
<tr>
<td><strong>Arthrocentesis and Bursal Injections</strong></td>
<td>9:30 a.m., 11:00 a.m., 12:30 p.m., 2:00 p.m., 3:30 p.m., 5:00 p.m.</td>
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<td><strong>Cardiac Diagnosis with Harvey®, the Cardiopulmonary Patient Simulator</strong></td>
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<td><strong>ECG Self-Guided Tour (Basic and Advanced)</strong></td>
<td>Open admission/no time limit First tour 9:30 a.m.; Last tour 5:00 p.m.</td>
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<tr>
<td><strong>Foot and Ankle Disorders</strong></td>
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<td><strong>Incision and Drainage of Abscesses</strong></td>
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<td><strong>Toenail Removal</strong></td>
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<td><strong>Ultrasound-Guided Central Venous Line Placement</strong></td>
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<td><strong>Ultrasound-Guided Paracentesis</strong></td>
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<td><strong>Ultrasound-Guided Thoracentesis</strong></td>
<td>1:00 p.m., 3:00 p.m.</td>
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<td>Time</td>
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Set a Course for Success in CMS’ Quality Payment Program (QPP)

ACP’s Practice Transformation Tools Guide the Way

ACP has developed several practice transformation tools to help you adjust to the QPP—CMS’ new value-based payment system.

- **ACP Quality Payment Advisor®**
  Dynamic tool helps your practice understand and implement QPP successfully

- **ACP Practice Advisor®**
  Online practice management tool to improve practice performance

- **ACP Genesis Registry®**
  Qualified Clinical Data Registry (QCDR) collects data from your EHR and submits to CMS

Learn more about ACP’s resources at
www.acponline.org/QPP
Patients Before Paperwork

An ACP priority initiative to reduce unnecessary practice burdens

ACP’s 2017 position paper “Putting Patients First by Reducing Administrative Tasks in Health Care” provides a framework for identifying and evaluating administrative tasks that are unessential and outlines detailed recommendations to reduce excessive paperwork.

Take the Administrative Tasks Survey!
Share your experiences with burdensome administrative tasks and best practices to deal with them through an online survey. This information helps ACP develop recommendations and advocate for change that makes a difference.

Provide your input today.
www.acponline.org/reduceburdens
Convocation Ceremony
Thursday • 6:00 p.m. • CC, Hall J

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 2018 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.

New Masters and Awardees
A list of new Masters to be inducted and recipients of College awards is available at www.acponline.org.

Gowning Information
All gowning and preparation for Convocation takes place in Hall I-2 of the Convention Center. Gowns for Fellows to be inducted are available in Hall I-2 beginning at 11:30 a.m., Thursday, April 19, 2018. Pre-Convocation assembly of new Fellows is in Hall I-2 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 I-2 beginning at 3:45 p.m. to allow sufficient time for official photographs to be taken.

Gowning for other Officers and Regents is at 4:15 p.m. in Hall I-2. Gowning for Governors and chapter awardees is at 4:45 p.m. in Hall I-2. The Governor groups and chapter awardees are to assemble with their new Fellows by 5:30 p.m. in Hall I-2.
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 19 and Friday, April 20, 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 Hall I-2. Various portrait options are available, and prices vary according to the selection.
Appointments can be made at the Lifetouch Photography center located in Hall I-2.

Guests
Convocation is held in Hall J. 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 J 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 2018 attendees at the New Orleans Marriott.

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 69. 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 654.

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 gowing areas. In addition, don’t miss a visit to the “Wall of Fame” in the lobby outside Hall I-2 for a unique photo opportunity.
2017-18 Awardees of the American College of Physicians

John Phillips Memorial Award for Outstanding Work in Clinical Medicine
Phillip Gorden, MD, MACP
Bethesda, Maryland

James D. Bruce Memorial Award for Distinguished Contributions in Preventive Medicine
Calvin Q. Pan, MD, MACP
Flushing, New York

Alfred Stengel Memorial Award for Outstanding Service to the American College of Physicians
Cecil B. Wilson, MD, MACP
Winter Park, Florida

American College of Physicians Award for Outstanding Work in Science as Related to Medicine
Richard W. Childs, MD
Bethesda, Maryland

Edward R. Loveland Memorial Award
Debra L. Ness, MS
Washington, District of Columbia

Jane F. Desforges Distinguished Teacher Award
Auguste H. Fortin VI, MD, MPH, MACP
New Haven, Connecticut
COL Lisa K. Moores, MC USA, MACP
Vienna, Virginia

Richard and Hinda Rosenthal Award #1 from The Rosenthal Family Foundation
Jeffrey H. Samet, MD, FACP
Needham, Massachusetts

Richard and Hinda Rosenthal Award #2 from The Rosenthal Family Foundation
Project ASSERT
Boston, Massachusetts

Ralph O. Claypoole Sr. Memorial Award for Devotion of a Career in Internal Medicine to the Care of Patients
Joaquin G. Cigarroa Jr., MD, FACP
Laredo, Texas

Nicholas E. Davies Memorial Scholar Award for Outstanding Contributions to Humanism in Medicine
Wendy S. Harpham, MD, FACP
Dallas, Texas

Outstanding Volunteer Clinical Teacher Award
Edward J. Filippon, MD, FACP
Philadelphia, Pennsylvania

Joseph F. Boyle Award for Distinguished Public Service
Andrew M. Slavitt
Washington, District of Columbia

Oscar E. Edwards Memorial Award for Volunteerism and Community Service
Jatinder Kumar Mokta, MD, FACP
Shimla, India

Walter J. McDonald Award for Young Physicians
Devang Patel, MD
Ellicott City, Maryland

Joseph E. Johnson Leadership Award
Bharat Kumar, MD, FACP
North Liberty, Iowa

Herbert S. Waxman Award for Outstanding Medical Student Educator
Yong Ki Shin, MD, FACP
Montesano, Washington

W. Lester Henry Award for Diversity and Access to Care
Jehan El-Bayoumi, MD, FACP
Washington, District of Columbia

Samuel Eichold II Memorial Award for Contributions in Diabetes
Silvio E. Inzucchi, MD, FACP
New Haven, Connecticut

ACP Award for Distinguished Contributions to Behavioral Medicine
Susan Wolver, MD, FACP
Midlothian, Virginia

ACP Award for Outstanding Educator of Residents and Fellows
Hasan Bazari, MD, FACP
Boston, Massachusetts

Steven E. Weinberger Award for Physician Executives/Leaders
Thomas J. Nasca, MD, MACP
Chicago, Illinois
**2017-2018 Masters**

Nancy Day Adams, MD, MACP  
Farmington, Connecticut

Paul B. Aronowitz, MD, MACP  
Mill Valley, California

James H. Baker, MD, MACP  
Muskogee, Oklahoma

Lisa M. Bellini, MD, MACP  
Voorhees, New Jersey

O. Joseph Bizzozero Jr., MD, MACP  
Middlebury, Connecticut

Henry G. Bone, MD, MACP  
Detroit, Michigan

John D. Bower, MD, MACP  
Brandon, Mississippi

Jay C. Butler, MD, FAAP, MACP  
Anchorage, Alaska

Abdul Jalil Chowdhury, MBBS, MD, MACP  
Dhaka, Bangladesh

Kathleen A. Cooney, MD, MACP  
Salt Lake City, Utah

William Eugene Davis, MD, MACP  
New Orleans, Louisiana

Richard J. Duma, MD, MACP  
Palm Coast, Florida

Elizabeth N. Eckstrom, MD, MACP  
Portland, Oregon

Lisa L. Ellis, MD, MACP  
Manakin Sabot, Virginia

Kristine E. Ensrud, MD, MACP  
Minneapolis, Minnesota

Ross D. Feldman, MD, MACP  
St. John’s, Newfoundland, Canada

Melanie A. Fisher, MD, MSc, MACP  
Morgantown, West Virginia

Nick Fitterman, MD, MACP  
Northport, New York

John M. Flack, MD, MPH, MACP  
Springfield, Illinois

Auguste H. Fortin VI, MD, MPH, MACP  
New Haven, Connecticut

Alice L. Fuisz, MD, MACP  
Washington, District of Columbia

Philip Gorden, MD, MACP  
Bethesda, Maryland

Nancy A. Hasenfus, MD, MACP  
Brunswick, Maine

Kevin P. High, MD, MACP  
Winston Salem, North Carolina

Susan Thompson Hingle, MD, MACP  
Springfield, Illinois

Mary M. Horowitz, MD, MACP  
Milwaukee, Wisconsin

Gabriel N. Hortobagyi, MD, MACP  
Houston, Texas

Joel D. Howell, MD, MACP  
Ann Arbor, Michigan

John F. Jackson, MD, MACP  
Jackson, Mississippi

Cynthia A. Jumper, MD, MPH, MACP  
Lubbock, Texas

Marc J. Kahn, MD, MACP  
New Orleans, Louisiana

George H. Karam, MD, MACP  
Baton Rouge, Louisiana

Richard G. Lane, MD, MACP  
Franklin, Tennessee

Eric S. Leith, MD, MACP  
Oakville, Ontario, Canada

Mark Linzer, MD, MACP  
Saint Louis Park, Minnesota

David T. Martin, MD, MACP  
Newton, Massachusetts

Diana B. McNeill, MD, MACP  
Durham, North Carolina

COL Lisa K. Moores, MC USA, MACP  
Vienna, Virginia

Eileen M. Moser, MD, MACP  
Hummelstown, Pennsylvania

Stephen M. Pastores, MD, MACP  
New York, New York

M. Ameen Patel, MD, MACP  
Toronto, Ontario, Canada

Steven B. Pearson, MD, MACP  
La Crosse, Wisconsin

Timothy E. Quill, MD, MACP  
Rochester, New York

W. Gary Reed, MD, MACP  
Dallas, Texas

Eileen E. Reynolds, MD, MACP  
Lexington, Massachusetts

Gregory W. Rouan, MD, MACP  
Cincinnati, Ohio

Rebecca T. Ruud, MD, MACP  
Issaquah, Washington

Moro O. Salifu, MD, MACP  
Brooklyn, New York

Stephen C. Schimpff, MD, MACP  
Catonsville, Maryland

Jay M. Shames, MD, MACP  
New Orleans, Louisiana

Stanley R. Shane, MD, MACP  
Reno, Nevada

Robert C. Smith, MD, MACP  
East Lansing, Michigan

Jerry L. Spivak, MD, MACP  
Baltimore, Maryland

Robert J. Tanenberg, MD, MACP  
Greenville, North Carolina

Jennifer C. Thompson, MD, MACP  
Orlando, Florida

Bruce W. Usher, Sr, MD, MACP  
Charleston, South Carolina

Sara L. Wallach, MD, MACP  
Fair Haven, New Jersey

Steven H. Yale, MD, MACP  
Gainesville, Florida

Michael A. Zimmer, MD, MACP  
St. Petersburg, Florida
Opening Ceremony Special Guests

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
- David B. Peden, MD, MS, FAAAAI, President
- American Academy of Allergy, Asthma and Immunology
- Ralph L. Sacco, MD, MS, FAHA, FAAN, President
- American Academy of Neurology
- L. Gail Curtis, MPAS, PA-C, DFAAPA, President
- American Academy of Physician Assistants
- Ron Sokol, MD, FAASLD, President
- American Association for the Study of Liver Diseases
- Jonathan D. Leffert, MD, FACP, President
- American Association of Clinical Endocrinologists
- Joyce Marth Kneestrick, PhD, APRN, CFNP, FAANP, President
- American Association of Nurse Practitioners
- Gautam Samadder, MD, President
- American Association of Physicians of Indian Origin
- Patricia M. Conolly, MD, Chair
- Richard J. Baron, MD, MACP, President and CEO
- American College of Internal Medicine
- Stephen Tilles, MD, FACAAl, President
- Bryan Martin, Immediate Past President
- American College of Allergy, Asthma and Immunology
- Mary Norine Walsh, MD, FACC, President
- American College of Cardiology
- Gerard Silvestri, MD, MS, FCCP, President
- American College of Chest Physicians
- Irving M. Pike, MD, FACC, President
- American College of Gastroenterology
- Martin C. Burke, DO, FACOI, President
- American College of Osteopathic Internists
- David I. Daikh, MD, President
- American College of Rheumatology
- Sheila E. Crowe, MD, AGAF, President
- American Gastroenterological Association
- Debra Saliba, MD, MPH, AGSF, President
- American Geriatrics Society
- Barbara McAneny, MD, MACP, President-elect
- James L. Madara, MD, Executive Vice President
- American Medical Association
- Douglas B. Fridsma, MD, PhD, President
- American Medical Informatics Association
- Katherine Dec, MD, President
- American Medical Society for Sports Medicine
- Suzanne Leonard Harrison, MD, FAAFP, FAMWA, President
- American Medical Women’s Association
- Mark A. Baker, DO, President
- American Osteopathic Association
- Nancy Alvarez, PharmD, 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
- Kelly Schoolar-Reynolds, PharmD, President
- American Society for Clinical Pharmacology and Therapeutics
- Karen L. Woods, MD, FASGE, President
- American Society for Gastrointestinal Endoscopy
- Krishna Komanduri, MD, President
- American Society of Blood and Marrow Transplant
- Bruce E. Johnson, MD, FASCO, President
- American Society of Clinical Oncology
- Alexis A. Thompson, MD, MPH, President
- American Society of Hematology
- Eleanor D. Lederer, MD, FASN, President
- American Society of Nephrology
- Marc Moss, MD, President
- American Thoracic Society
- Atul Grover, MD, PhD, Executive Vice President
- Association of American Medical Colleges
- David E. Coleman, MD, President
- James D. Marsh, MD, Past President
- Association of Professors of Medicine
- Melvin Blanchard, MD, FACP, President
- Association of Program Directors in Internal Medicine
- Abraham Thomas, MD, MPH, President
- Association of Subspecialty Professors
- Andrew Hoellein, MD, MS, FACP, President
- Clerkship Directors in Internal Medicine
- David Hoyt, MD, President
- Steven E. Weinberger, MD, MACP, Past President
- Helen Burstin, MD, MPH, FACP, Executive Vice President and CEO
- Council of Medical Specialty Societies
- Lynnette K. Nieman, MD, President
- The Endocrine Society
- Humayun J. Chaudhry, DO, MS, MACP, FACOI, President
- Patricia A. King, MD, PhD, FACP, Chair-Elect
- Federation of State Medical Boards
- Barbara Resnick, PhD, CRNP, President
- The Gerontological Society of America
- Clyde J. Behney, Executive Vice President
- Health and Medicine Division of the National Academies
- Paul G. Auwaerter, MD, FIDSA, President
- Infectious Diseases Society of America
- Beverley H. Johnson, President
- Institute for Patient- and Family-Centered Care
- David W. Baker, MD, FACP, Executive Vice President
- The Joint Commission
- Steve Nelson, MD, Dean
- Louisiana State University School of Medicine
- Peter Katsufakis, MD, MBA, President
- National Board of Medical Examiners
- Elena V. Rios, MD, MSPH, President
- National Hispanic Medical Association
Special College Events

Doris Browne, MD, President
National Medical Association
Debra L. Ness, MS, President
National Partnership for Women & Families
Michael D. Shapiro, MD, MBA, President
Renal Physicians Association
Tamera Coyne-Beasley, MD, MPH, President
Society for Adolescent Medicine
Angie Fagerlin, PhD, President
Society for Medical Decision Making
Ruth M. Kleinpell, RN-CS, PhD, FCCM, President
Society of Critical Care Medicine
Michael D. Shapiro, MD, MBA, President
Renal Physicians Association
Tam era C oyne-Beasley, MD, MPH , President
Society for Adolescent Medicine
Angie Fagerlin, PhD, President
Society for Medical Decision Making
Ruth M. Kleinpell, RN-CS, PhD, FCCM, President
Society of Critical Care Medicine
Thomas Gallagher, MD, President
Society of General Internal Medicine
Ron Greeno, MD, FCCP, MHM , President
Society of Hospital Medicine
Lee Hamm, MD, Dean
Tulane University School of Medicine

Wednesday
Music and Medicine: Leonard Bernstein at 100
6:00–7:30 p.m. • HQ, Mardi Gras Ballroom

Open to all attendees and registered guests. This is a ticketed event. Tickets are available for $50.00 each at https://musicandmedicine.eventbrite.com. Tickets are also available at the door.

Psychiatrist and concert pianist Dr. Richard Kogan will deliver a special presentation that explores the role of music in healing and examines the life, mind, and music of the great American composer/conductor Leonard Bernstein (1918–1990). The program will be illuminated by performances of Bernstein favorites, including West Side Story. Dr. Kogan, a graduate of Juilliard Pre-College, Harvard College, and Harvard Medical School, is a Clinical Professor of Psychiatry at Weill Cornell Medical College and the Artistic Director of the Weill Cornell Music and Medicine Program. He has been praised for his “exquisite playing” by The New York Times, and The Boston Globe wrote that “Kogan has somehow managed to excel at the world’s two most demanding professions.”

Thursday
Opening Ceremony and Keynote Speaker
9:30-10:30 a.m. • CC, Hall J

Open to all attendees. No tickets required.

All attendees and their guests are invited to attend the Opening Ceremony, which will feature a keynote address by Karen DeSalvo, MD, MPH, MSc, FACP. The Opening Ceremony marks the official beginning of Internal Medicine Meeting 2018.

Volunteerism Networking Luncheon
12:45-2:15 p.m. • CC, Room 352 (Reserved)

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 volunteering are all welcome.

The Standardized Patient: An Interactive Art Exhibition
8:00 a.m.–5:00 p.m., Thursday, Friday, Saturday • CC, Room 349

The Standardized Patient art exhibition will display the work of nationally recognized artist Kerry Tribe and features a two-channel video projection that offers insight into the work of Standardized Patients (“SP’s”)—professional actors who portray patients in a simulated clinical environment as part of medical students’ training. The installation features an angled screen that presents a progression of SP encounters on one side and a synchronized montage of supporting materials on the reverse. Fragments of the patients’ scripts, diagnostic flow charts, and textbook illustrations offer glimpses of the kinds of information that underlie the action. The art exhibit runs on a continuing loop projection and will be open all three days of the meeting, so stop by and spend a moment or two appreciating the dynamics of communication between physicians and patients. For more information on the artist and her work, visit http://www.kerry-tribe.com/project/standardized-patient/.

International Reception
8:00-9:30 p.m. • HQ, Mardi Gras Ballroom

This reception is open to all international attendees and their guests. This event will provide an opportunity to meet with colleagues, leaders from ACP, and members of internal medicine societies around the world.
ACP Innovation Challenge 2018: Reimagining the Practice of Internal Medicine
11:15 a.m.-12:45 p.m. • CC, Room 383-385
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. Selected physicians will present to a panel of distinguished judges who will ask challenging questions and provide candid feedback. Winners will be selected and awarded up to $25,000 in prize money to support implementation/study of the idea. Come vote for your favorite finalist at this fun, high-stakes, interactive competition and see who has what it takes to transform health care!

Resident/Fellow Luncheon Forum: 2018 Servant Leadership in Medicine: How Natural Disasters Inspire Civic Duty to Rebuild Healthier Communities
12:45-2:15 p.m. • CC, Room 356-357
The Council of Resident/Fellow Members hosts a lively lunch discussion with health care personnel who were on the ground during Hurricane Katrina. Reflect on their experiences and stories of recovery to determine the future roles of internists during natural disasters. Complimentary boxed lunches will be available to the first 100 attendees.

Early Career Physicians Networking Luncheon
12:45-2:15 p.m. • CC, Room 338-339
Hosted by the Council of Early Career Physicians, this luncheon provides the opportunity for physicians 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 ACP and advance to Fellowship. Complimentary boxed lunches will be available to the first 100 attendees.

Early Career Physicians Presentation Session
2:30 p.m. • CC, Exhibit Hall Innovation Theater 3 (Booth 2146)
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 for Hospital Medicine will present their award-winning work, along with the winners of the Annals of Internal Medicine Junior Investigator Awards. Refreshments are provided. Presentations are not designated for CME credit.

Friday
International Forum: Social Determinants of Health
9:00-11:00 a.m. • CC, Rooms 391-392 (Reserved)
The Twelfth Annual ACP International Forum will provide an opportunity for leaders of internal medicine from ACP and around the world to have a discussion on the topic of Social Determinants of Health. A moderator will lead a panel of 4-6 international physicians in commenting on key questions, followed by a discussion with all attendees. The Forum is open to all international physicians; however, space is limited. Reservations are required.

Resident/Fellow Abstract Luncheons
12:45-2:15 p.m. • CC, Rooms 346-347, 350-351
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 ACP’s Web site, www.acponline.org. Abstract presentations are not designated for CME credit.

Networking Luncheon for Women Physicians
12:45-2:00 p.m. • CC, Room 356-357
Women physicians in all career paths are invited to share experiences, meet new friends, and discuss common concerns. Designed for those past training.

Insurance as Part of Personal Financial Planning
2:30-3:00 p.m. • CC, Exhibit Hall Innovation Theater 3 (Booth 2146)
A session providing an overview on the types of insurance considered part of an overall personal financial planning and risk management. Participants will learn the five aspects of risk, identification, analysis, control, finance and administration. In addition, participants will learn about the typical benefits package provided to employed physicians.
What International Medical Graduates Need to Know
3:15-3:45 p.m. • CC, Exhibit Hall Innovation Theater 3 (Booth 2146)
A session providing an in-depth explanation to IMGs and their potential employers of the steps that international medical graduates (IMGs) need to take to practice in the United States. The session includes such information as the current immigration outlook for IMGs, impact of changes in immigration law and policy on IMG placements, transitioning from a J-1 visa trainee to H-1B visa physician, job searches for a Conrad waiver, and the options for permanent residence. The session will be highly informative and fast paced with a bit of humor and audience interaction thrown in for good measure.

International Medical Students Information Session
4:00-5:00 p.m. • CC, Room 352
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.

Saturday
Medical Student Mentoring Breakfast
7:00-9:00 a.m. • CC, Room 338-339
This is a ticketed event. Tickets are available at the Medical Student Welcome Center located in Hall GH throughout the meeting.
Medical students are invited to gather with internist mentors to discuss career options in internal medicine.

Annals of Internal Medicine: “On Being a Doctor” Story Slam
9:30-11:15 a.m. • CC, La Nouvelle Ballroom C
This is a ticketed event. Tickets are available at no charge. For more information and to order tickets, please visit https://annalsstoryslam.eventbrite.com/.
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 (www.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 a morning of storytelling during Internal Medicine Meeting 2018. Ten of your colleagues will share stories that are sure to provoke thought and inspire you. This event is not designated for CME credit.

Medical Student Abstract Luncheon
11:00 a.m.-12:30 p.m. • CC, Room 352
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 ACP’s Web site, www.acponline.org. Abstract presentations are not designated for CME credit.

Annual Business Meeting
12:45-1:45 p.m. • CC, Room 291-292
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.
Internal Medicine Meeting 2018 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 print. Changes and cancellations after printing are common. Please check your invitations, contact the hotel, or stop by the Information Desks located in Theaters C Lobby and Lobby I-1 of the Convention Center to verify the reception time, date, and location.

Thursday, April 19

Florida and Georgia Chapters Reception—8:00-9:30 p.m., New Orleans Marriott, La Galeries 4, 5, 6.

Illinois Chapter Reception—8:00-10:00 p.m., Mulate’s, 201 Julia Street, New Orleans.

International Reception—8:00-9:30 p.m., New Orleans Marriott, Mardi Gras Ballroom.

Maryland, DC, Virginia, and Delaware Chapters Reception—8:15-10:00 p.m., Poppy’s Crazy Lobster, 500 Port of New Orleans Place, Suite 83, New Orleans.

Michigan and Massachusetts Chapters Reception—8:00-10:00 p.m., New Orleans Marriott, La Galerie 3.

New Jersey Chapter Reception—8:00-9:30 p.m., New Orleans Marriott, La Galerie 2.

New York Chapter ACP and Joint Medical Schools Reception—8:15-10:00 p.m., New Orleans Downtown Marriott at the Convention Center, River Bend Ballroom - 2nd Floor, 859 Convention Center Boulevard, New Orleans.

Wisconsin Chapter Reception—8:00-10:30 p.m., Arnaud’s Restaurant, 813 Rue Bienville, New Orleans.

Friday, April 20

Alabama, Arkansas, Louisiana, and Mississippi Chapters Reception—5:30-6:30 p.m., New Orleans Marriott, Studio 4.

Brazil Chapter Reception—6:00-8:00 p.m., New Orleans Marriott, Studio 2.

California, Hawaii, and Arizona Chapters Reception—6:00-8:00 p.m., New Orleans Marriott, Salon E.

Canadian Chapters Reception—6:00-8:00 p.m., Gordon Biersch Brewery Restaurant, 200 Poydras Street, New Orleans.

Indiana Chapter Reception—5:30-7:00 p.m., Mulate’s, 201 Julia Street, New Orleans.

Japan Chapter Reception—6:00-8:00 p.m., New Orleans Marriott, La Galerie 1.

Med-Peds Reception—6:00-7:00 p.m., New Orleans Marriott, Studio 8.

Minnesota-ACP and Mayo Clinic Alumni Association Reception—6:00-7:00 p.m., New Orleans Marriott, Salons A, B, C.

Missouri Chapter Reception—5:30-7:00 p.m., Gordon Biersch Brewery Restaurant, 200 Poydras Street, New Orleans.

Northwest Regional Reception: Alaska, Montana, Oregon, Utah, and Washington—6:00-8:00 p.m., New Orleans Marriott, Salon D.

Ohio, Air Force, Army, and Navy Chapters Reception—6:00-7:30 p.m., New Orleans Marriott, La Galerie 3.

Oklahoma Chapter Reception—6:00-9:00 p.m., Jazz Dinner Cruise on the Steamboat Natchez, Toulouse Street Wharf in the French Quarter.

Pennsylvania Chapter Reception—6:00-8:00 p.m., Redfish Grill, 115 Bourbon Street, New Orleans.

Puerto Rico Chapter Reception—7:00-9:00 p.m., New Orleans Marriott, Studio 7.

Reception for African American Physicians—6:00-7:30 p.m., New Orleans Marriott, La Galerie 4-5.

Ross University School of Medicine Alumni Reception—6:00-8:00 p.m., New Orleans Marriott, Studio 9.

South Dakota, Iowa, Kansas, and Nebraska Reception—6:00-8:00 p.m., Palace Café, 605 Canal Street, New Orleans.

Tennessee and North Carolina Chapters Reception—6:00-7:00 p.m., New Orleans Marriott, La Galerie 2.
**Thursday, Friday, and Saturday Medical Student and Resident/Fellow Member Welcome Centers**
CC, Hall GH
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 Centers. The Welcome Centers are located in Hall GH near the Medical Student, Resident/Fellow, Early Career Physician Hospitality Area and will be open Thursday through Saturday during the hours of operation printed above. The Welcome Centers will be staffed by members of the national Councils of Student Members and Resident/Fellow Members and ACP staff. ACP members-in-training can meet national council members and obtain information about programs and networking activities planned specifically for students and residents taking place throughout the meeting.

**ACP Doctor’s Dilemma®**
Thursday • 2:30-6:30 p.m.
Friday • 3:30-5:15 p.m.
CC Rooms 291-292, 293-294

Saturday • 5:15-6:30 p.m. (Immediately following the Highlights session)
CC, La Nouvelle Ballroom C

Enjoy this fast-paced, Jeopardy-style program where resident winners from local chapters test their knowledge of internal medicine.

**ACP Posters Hospitality Area**
Thursday-Saturday • CC, Hall GH

Finalists in the Medical Student and Resident/Fellow Poster Competitions, along with finalists in the Early Career ePoster Showcase will display their work in multiple poster sessions.

**Thursday**
- ACP Posters Hospitality Area
- ACP Doctor’s Dilemma®
- Resident/Fellow Luncheon Forum: 2018 Servant Leadership in Medicine: How Natural Disasters Inspire Civic Duty to Rebuild Healthier Communities

**Friday**
- ACP Posters Hospitality Area
- ACP Doctor’s Dilemma®
- Resident/Fellow Luncheon Forum: 2018 Servant Leadership in Medicine: How Natural Disasters Inspire Civic Duty to Rebuild Healthier Communities

**Saturday**
- ACP Posters Hospitality Area
- ACP Doctor’s Dilemma®
- Resident/Fellow Luncheon Forum: 2018 Servant Leadership in Medicine: How Natural Disasters Inspire Civic Duty to Rebuild Healthier Communities

**ACP Innovation Challenge 2018: Reimagining the Practice of Internal Medicine**
11:15 a.m.-12:45 p.m. • CC, Room 383-385

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. Selected physicians will present to a panel of distinguished judges who will ask challenging questions and provide candid feedback. Winners will be selected and awarded up to $25,000 in prize money to support implementation/study of the idea. Come vote for your favorite finalist at this fun, high-stakes, interactive competition and see who has what it takes to transform health care!

**Resident/Fellow Luncheon Forum: 2018 Servant Leadership in Medicine: How Natural Disasters Inspire Civic Duty to Rebuild Healthier Communities**
12:45-2:15 p.m. • CC, Room 356-357

Hosted by the ACP Council of Resident/Fellow Members

Enjoy a lively lunch discussion with health care personnel who were on the ground during Hurricane Katrina. Reflect on their experiences and stories of recovery to determine the future roles of internists during natural disasters. Complimentary boxed lunches will be available to the first 100 attendees.
Early Career Physicians Networking Luncheon
12:45-2:15 p.m. • CC, Room 338-339
This luncheon provides the opportunity for physicians 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 for the first 100 attendees.

Early Career Physicians Presentations Session
2:30 p.m. • CC, Exhibit Hall Innovation Theater 3 (Booth 2146)
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 for Hospital Medicine will present their award-winning work, along with the winners of the Annals of Internal Medicine Junior Investigator Awards. Refreshments are provided. Presentations are not designated for CME credit.

Friday
Resident/Fellow Abstract Luncheons
12:45-2:15 p.m. • CC, Rooms 346-347, 350-351
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 the College’s Web site, www.acponline.org. Abstract presentations are not designated for CME credit.

International Medical Students Information Session
4:00-5:00 p.m. • CC, Room 352
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.

Saturday
Medical Student Mentoring Breakfast
7:00-9:00 a.m. • CC, Room 338-339
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 Hall GH throughout the meeting.

Medical Student Abstract Luncheon
11:00 a.m.-12:30 p.m. • CC, Room 352
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 ACP’s Web site, www.acponline.org. Abstract presentations are not designated for CME credit.

Recognition Reception for Young Achievers
6:30-7:30 p.m. • CC, La Nouvelle Ballroom AB
Join us as we celebrate the winners of the Medical Student and Resident/Fellow Abstract Competitions, the 2018 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 2018. 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.

Legend
CC Ernest N. Morial Convention Center
HQ New Orleans Marriott (Headquarter Hotel)
2017-18 Council of Early Career Physicians (CECP)
Micah W. Beachy, DO, FACP, Omaha, NE, Chair
Danny Newman, MD, FACP, Augusta, GA, Chair-elect
Joshua Hartzell, MD, FACP, FIDSA, Potomac, MD
Lacy Hobgood, MD, FAAP, FACP, Greenville, NC
Ryan Kraemer, MD, FACP, Homewood, AL
Tiffany Leung, MD, MPH, FACP, Maastricht, Netherlands Antilles
Sima Pendharkar, MD, MPH, FACP, Brooklyn, NY
Samuel Calvin Thigpen, MD, FACP, Jackson, MS
Richard M. Wardrop III, MD, PhD, FAAP, FACP, Chapel Hill, NC
Mary Anderson Wallace, MD, FACP, Colorado Springs, CO

2017-18 Council of Resident/Fellow Members (CRFM)
Fatima Zahara Syed, MD, MSc, FACP, Philadelphia, PA, Chair
Sarah G. Candler, MD, MPH, Houston, TX, Chair-elect
Christopher Aakre, MD, Rochester, MN
Ayeetin Azah, MD, New Bern, NC
John Hunninghake, MD, Windcrest, TX
Krishna Juluri, MD, PhD, Seattle, WA
Zachary C. Junga, MD, Silver Spring, MD
Rita K. Kuwahara, MD, MIH, Atlanta, GA
Susan Lou, MD, Minneapolis, MN
Neena Mohan, MD, Philadelphia, PA
Ravi Parikh, MD, MPP, Philadelphia, PA
Jacob Quinton, MD, MPH, New Haven, CT
Erica P. Turse, DO, MPH, Columbia, MO

2017-18 Council of Student Members (CSM)
Mitch Biermann, PhD, Madison, WI, Chair
Chelsea Cockburn, Richmond, VA, Vice Chair
Stephen Bollinger, Sioux Falls, SD
Ricky Cui, Rochester, MN
Hanna Erickson, Champaign, IL
Michael P. Madaio, North Yarmouth, ME
Oksana Motalo, RN, Sudbury, Ontario, Canada
Caleb Murphy, Saint Paul, MN
Ashruta Patel, Auburn, GA
Angela D. Primbas, Seattle, WA
Thomas Shin, Waltham, MA
Matthew Solomon, Albuquerque, NM

Explore the Exhibit Hall and Attend These Additional Learning Opportunities

See the latest scientific and medical advances. Visit over 200 exhibitors while in the Exhibit Hall. Network with colleagues while you grab a bite to eat. Chill out at the Relaxation Station. Connect with ACP staff at the Resource Center. Look for jobs at the Job Placement Center.

Don’t miss the Innovation Theaters—Non-CME informative lunch or snack break discussions about the latest clinical information as it relates to a specific disease state.

Broaden your knowledge—attend a lunch- or dinner-time Industry-Supported Symposium. Symposia preregistration is recommended!

Use break times to your advantage and visit Exhibit Hall GH!
DynaMed Plus®
Turn Questions Into Answers at the Point of Care

ACP Members enjoy complimentary access to DynaMed Plus through December 2018 (a $395 value)

DynaMed Plus provides accurate, evidence-based content to help busy clinicians at the point of care. Responsive web design enables access on any device, from smart phone to desktop PC—or download the app for your Apple or Android mobile device.

Take advantage of this ACP member benefit and sign up for your free account at www.acponline.org/dynamedplus
Exhibit Hall—A Must See

Make a point of visiting the Exhibit Hall to experience unique events like no other. Here, you’ll find over 200 exhibitors demonstrating the latest in technological and scientific advances. The Exhibit Hall is the meeting’s epicenter for the latest innovations, learning opportunities, and break-time activities. It’s also a great place to meet up with your colleagues. 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

• 200+ Exhibitors—Find new products and services for your practice, search for new career opportunities, enjoy giveaways and raffles, and more!

• Innovation Theater—Broaden your knowledge by participating in a non-CME discussion. See the Additional Learning Opportunities section on pages 79-80 for more information.

• NEW: ACP Relaxation Station, Booth #1059—Stop by to learn about physician wellness and treat yourself to some “me” time.

• ACP Briefings—Hear brief presentations from ACP staff and leadership on current medical issues. Consult the schedule on page 76 for details.

• Complimentary lunch on Thursday and Friday.

• Complimentary morning and afternoon refreshment breaks.

Exhibit Hall Hours

Thursday, April 19 • 10:00 a.m.-4:30 p.m.
Friday, April 20 • 10:00 a.m.-4:30 p.m.
Saturday, April 21 • 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 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 & Relax

Visit the ACP Resource Center, Booth #1031—
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 75.

Job Placement Center, Booth #528—
Explore jobs available nation-wide and meet with a CV reviewer to enhance your current CV.

Networking Lounge, Booths #600, #723—
Mingle with other attendees and share ideas.

Rest and Recharge Lounge, Booth #805—
Rest your feet and charge your devices.

FACP/MACP Lounge, Booth #654—
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.

Internal Medicine Meeting 2018 Recordings, Booth #1034—
Take the meeting home with you. Be among the first to place your order for recorded sessions from the meeting. Pick the format that best fits your learning style and listen to these scientific sessions all year long. Discounts available for orders placed onsite.

Raffle Booth, Booth #1355—
This is the spot to visit daily for a chance to win free registration to Internal Medicine Meeting 2019, gift certificates, College products, and more exciting prizes.

ACP Posters Area, Hall GH—
Finalists in the Medical Student, Resident/Fellow, and Early Career Physicians Abstract Competitions display their work in multiple poster sessions Thursday through Saturday.

ACP Posters Hospitality Area, Hall GH—
Relax with friends and colleagues while enjoying coffee and refreshments. Open to all poster presenters and judges.

Doctor’s Challenge—
Participate in ACP’s exciting, interactive challenge in which attendees visit exhibitors to answer a question on the challenge card; prizes awarded include a free registration to Internal Medicine Meeting 2019, $100 Amazon gift card, and other great prizes. While at the booths, learn more about the latest products, services, career opportunities, and developments in medical technology. Be on the lookout for your question card in the meeting tote bag or participate through the meeting app.

NEW: ACP Relaxation Station, Booth #1059—
New at Internal Medicine Meeting 2018, the ACP Relaxation Station is a safe space for meeting attendees to relax, recharge, and learn more about physician well-being and burnout. Located near the ACP Resource Center in the Exhibit Hall, the Relaxation Station will feature a room for chair massages, a room for yoga and meditation, an area to recharge devices, a reflection wall, and more. ACP Well-Being Champions and Well-Being and Resilience Task Force members will be on-hand to answer questions and provide resources related to physician well-being. Come by and visit!

Innovation Theaters, Booths #1447, #1846, #2146—
New medical innovations will be revealed at these informative lunch or snack-break discussions. See the Additional Learning Opportunities section on pages 79-80 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 2018 does not imply an endorsement of any such product or service by ACP. By attending ACP’s Internal Medicine Meeting 2018 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 2018.
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 #1031 in the center of the Exhibit Hall to explore and talk 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
  • ACPInternist.org (and Internist Weekly)
  • ACPHospitalist.org (and Hospitalist Weekly)

CLINICAL DECISION SUPPORT
• All-new ACP JournalWise – JournalWise.org
• DynaMed Plus – acponline.org/dynamedplus

EDUCATIONAL RESOURCES
• MKSAP 17 Digital – mksap17.acponline.org (and learn about the soon-to-be-launched MKSAP 18)
• ACP Online Learning Center – acponline.org/learning
• Annals Virtual Patients – vp.annals.org (now available on an all-new mobile-optimized platform)
• IM Essentials for Students – ime.acponline.org

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 17 and MKSAP 17 Flashcards Apps
• All-new Annals of Internal Medicine App
• ACP Clinical Guidelines App
• ACP Meetings App (including this Internal Medicine Meeting 2018)
• DynaMed Plus App
• IM Essentials Flashcards App
Hear brief presentations to answer common questions and learn about new offerings from ACP.

ACP Resource Center • Exhibit Hall, Booth #1031

**Thursday**

**Morning Break**

10:30-10:40 • ACP MOC Resources

10:40-10:50 • IM Well: How ACP is Supporting Physician Well-being and Professional Satisfaction

10:50-11:10 • How to Succeed in MIPS (Merit-Based Incentive Payment System)

**Lunch Break**

1:00-1:20 • Applying for Fellowship in ACP

1:20-1:30 • Using the ACP JournalWise Literature Surveillance Service

1:30-1:40 • Simulate Common Patient Encounters with Annals Virtual Patients

**Afternoon Break**

3:50-4:00 • ACP MOC Resources

4:00-4:10 • Understanding the Quality Payment Program (QPP)

4:10-4:20 • ACP Connections with Digital Health Startups

4:20-4:30 • Hot Topics in Hospital Medicine from *ACP Hospitalist*

**Friday**

**Morning Break**

10:30-10:40 • ACP MOC Resources

10:40-10:50 • Understanding the Quality Payment Program (QPP)

10:50-11:00 • Using the ACP JournalWise Literature Surveillance Service

11:00-11:10 • 2018 Adult Immunization Schedule and the New Shingles Vaccine

**Lunch Break**

1:00-1:20 • Applying for Fellowship in ACP

1:20-1:30 • IM Well: How ACP is Supporting Physician Well-being and Professional Satisfaction

1:30-1:40 • Simulate Common Patient Encounters with Annals Virtual Patients

**Afternoon Break**

3:50-4:00 • ACP MOC Resources

4:00-4:20 • How to Succeed in MIPS (Merit-Based Incentive Payment System)

**Saturday**

**Morning Break**

10:30-10:40 • IM Well: How ACP is Supporting Physician Well-being and Professional Satisfaction

10:40-10:50 • Hot Topics in Hospital Medicine from *ACP Hospitalist*

10:50-11:00 • Top 10 Ways to Engage Your Patients in Their Care
ACP Job Placement Center—For Job Seekers and Employers

A Must-See While in New Orleans, LA
Exhibit Hall, Booth #528

• Submit a Job Seeker's Profile onsite or at annualmeeting.acponline.org/jpc/attendee and have it distributed to participating employers.

• Submit job postings for openings in your organization.*

• View over 100 job postings nationwide (also available electronically for your convenience).

• Register for two popular 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.

2018 ACP Job Placement Center Premium Sponsors

Aurora Health Care*
Booth #815

Community Health Systems
Booth #635

Dignity Health.
dignityhealth.org/physician-careers

Envision
Booth #730

PeaceHealth
Booth #740

TEAMHealth.
Booth #1913

vituity®
Booth #1631

* Must be a physician attending Internal Medicine Meeting 2018, ACP Job Placement Center Sponsor, or exhibitor.

** Limited availability—appointment required. See a Job Placement Center representative or e-mail jobplacementcenter@acponline.org to reserve a spot.
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.

Win a $100 Amazon gift card, complimentary registration to Internal Medicine Meeting 2019, 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 information about developments in medical technology. Look for the Challenge card in your tote bag, or participate online via the meeting app.

Participating Exhibitors
CareCredit • Booth #2113
Gilead Sciences, Inc. • Booth #1621
GoodRx • Booth #704
NEJM Group • Booth #1213
Patient First • Booth #1416
Sanofi Pasteur • Booth #1921
TIVA Healthcare • Booth #1640
VISTA Staffing Solutions • Booth #1434

*Industry-Supported Symposia and Innovation Theaters are independently organized and are not an official part of the Internal Medicine Meeting 2018 education program. For symposia offering Category 1 CME credit, CME is provided by organizations other than ACP.

The Additional Learning Opportunities schedules are listed on pages 79-84. For the most up-to-date listings, please review the Onsite Industry Guide or use the meeting app for full details.
Thursday, April 19 • Morning Break

American Health Care Needs a Hero: Explorations in Primary Care Disruption
Supported by Humana
10:30-11:15 a.m., Booth #1447
American health care is ripe for disruption, but is it too late for the traditional system to save itself? Based on Dr. Pearl’s best-seller “Mistreated” about what ails America’s health care system, innovative models and solutions exist that push beyond traditional boundaries and accelerate health at every point of care.
Robert Pearl, MD
Stanford, CA
Roy Beveridge, MD
Louisville, KY

Why Long-Acting Dual Bronchodilation Should be Used in COPD
Supported by Sunovion Pharmaceuticals, Inc.
10:30-11:15 a.m., Booth #1846
Gain insight concerning the data supporting the most recently launched LABA/LAMA in the U.S.
William Tony McKenzie, MD
Panama City, FL

Thursday, April 19 • Lunch

Influenza Immunization: Vaccine Options to Improve Protection of Adults 50 Years of Age and Older*
Supported by Sanofi Pasteur
1:00-1:45 p.m., Booth #1447
Influenza can exacerbate chronic medical conditions, including heart disease, pulmonary disease, and diabetes. These conditions, which affect the majority of older adults, can increase the risk for influenza-related morbidity and mortality. Here we share pertinent data on two influenza vaccines proven to help prevent more influenza in older adults.

Thursday, April 19 • Afternoon Break

Expert Conversations in Heart Failure: Connecting the Pieces
Supported by Novartis Pharmaceuticals Corporation
1:00-1:45 p.m., Booth #1846
Heart failure (HF) is a progressive, unpredictable disease. Developing a plan of care for HF can be challenging, given variations in HF symptomology, disease course, and comorbidities. This program will review HF pathophysiology, highlight the role of natriuretic peptides in HF, and discuss optimizing a plan of care for HF.
Clement C. Eiswirth, Jr, MD, FACC
New Orleans, LA

IBS-D: A Closer Look at Diagnosis, Microbial Imbalance and a Short-Term Treatment Option
Supported by Salix Pharmaceuticals
1:00-1:45 p.m., Booth #2146
Please join us as Dr. Christine L. Frissora will provide a closer look at IBS-D – Diagnosis, Microbial Imbalance and a Short-Term Treatment Option.
Christine L. Frissora, MD
New York, NY

Grab a Bite and Get Informed at the Innovation Theaters
Exhibit Hall, Booths #1447, #1846, and #2146

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. Innovation Theater presentations are independently organized and are not an official part of the Internal Medicine Meeting 2018 education program.

Innovation Theater presentations are independently organized and are not an official part of the Internal Medicine Meeting 2018 education program.

*Session title, presenter or description not available at time of printing. Please view the Internal Medicine Meeting 2018 app for updated schedule information. Select the Schedules icon, and then click on Innovation Theaters (Exhibit Hall) for updated schedule.
Friday, April 20 • Morning Break

Repatha* (evolocumab): Putting it into Practice
Supported by Amgen
10:30-11:15 a.m., Booth #1447
Join Dr. Michael Bloch for an educational presentation on the importance of Repatha (evolocumab). Hear about his experience with Repatha and the options available for appropriate patients.
Michael 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 #1846
Clinical studies, safety and efficacy data and a hypothetical patient case study will be presented on an HIV prevention medication. HIV epidemiology trends in the United States will also be discussed.
Cynthia Brinson, MD
Austin, TX

Friday, April 20 • Lunch

Clinical Data and Real-World Evidence to Support NVAF & DVT/PE Treatment Decision Making*
Supported by Janssen Pharmaceuticals, Inc.
1:00-1:45 p.m., Booth #1447
This lecture will discuss treatment options for patients with deep vein thrombosis and pulmonary embolism, and how they can reduce the risk of recurrent thrombotic events. It will also present options for reducing the risk of stroke in patients with nonvalvular atrial fibrillation.

Optimizing Treatment to Improve Outcomes: Implementing the New Guideline for Managing Heart Failure With Reduced Ejection Fraction (Systolic HF)
Supported by Novartis Pharmaceuticals Corporation
1:00-1:45 p.m., Booth #1846
Despite evidence-based pharmacologic therapy, morbidity and mortality rates associated with heart failure with reduced ejection fraction (HFrEF) remain high. Please join us as a medical expert engages in discussions on the mechanism of action of a novel HFrEF therapy, its landmark clinical trial data, and an interactive HF patient case study.
Javed Butler, MD, MPH, MBA
Jackson, MS

Advances in Hepatitis C Management*
Supported by Gilead Sciences, Inc.
1:00-1:45 p.m., Booth #2146
• Learn about the prevalence of HCV and its effect on patients.
• See the economic impact of the disease.
• Understand the steps and best practices for screening and linkage to care.
• Explore case studies of successful screening, diagnosis, and linkage to care initiatives at various institutions.

Friday, April 20 • Afternoon Break

Important Label Updates for a Smoking Cessation Therapy Based on a Large Clinical Trial
Supported by Pfizer
3:45-4:30 p.m., Booth #1447
Smoking continues to be the #1 preventable cause of death in the U.S. The benefits of smoking cessation are immediate and substantial, making it a leading health priority. This product theater will review clinical data from a large pharmacotherapy study evaluating safety and efficacy of three smoking cessation agents.
James Boone, MD
Hunt, TX

*Session title, presenter or description not available at time of printing. Please view the Internal Medicine Meeting 2018 app for updated schedule information. Select the Schedules icon, and then click on Innovation Theaters (Exhibit Hall) for updated schedule. Innovation Theater presentations are independently organized and are not an official part of the Internal Medicine Meeting 2018 education program.
Tuesday, April 17 • Lunch

Gout: A Chronic Disease with Serious Consequences—Improving Patient Management
Supported by: Horizon Pharma, Inc.
12:15-1:15 p.m.
Registration: Noon
(Lunch will be served)
CC • Room 293-296
Online: info@innovationsgroup.org
Description: Gout is the most common form of inflammatory arthritis, increasing in prevalence over the past two decades by almost 40%. Gout results in significant and potentially chronic pain, decreased function, and reduced quality of life. Results from the Health Professionals Follow-Up Study indicate that men with gout have an increased risk of all cause mortality versus men without gout and epidemiologic evidence suggests that chronic hyperuricemia and gout may be independent risk factors for hypertension, metabolic syndrome and chronic kidney disease. This symposium will focus on understanding the epidemiology, clinical impact and comorbidities of gout, current management guidelines and treatment strategies and therapeutic options to optimize patient outcomes.

This program does not offer CME credit.

START (Screen, Talk, Assess, Refer, Treat) HCV
Supported by: Gilead Sciences, Inc.
12:15-1:15 p.m.
Registration: Noon
(Lunch will be served)
CC • Room 393-396
Online: start.dkbmed.com
Phone: 646-336-6495
Description: As a primary care provider, you are on the frontlines. Now is the time for you to take action against the most common bloodborne pathogen, hepatitis C (HCV). With current oral medications, HCV is curable in >95% of people infected with the virus. Learn who to screen, how to diagnose, what treatments are available, and when to refer at the DKBmed Talk, START HCV.

Mark Sulkowski, MD and his patient share their story of how they overcame obstacles and conquered the most-deadly infection. You will learn in the context of patients that you typically encounter, so information is not only relatable but also more easily retained and retrieved. Scientific and clinical information will be provided in a way you have never encountered before.

Wednesday, April 18 • Lunch

HCV Management: Considerations for Your Practice in an Evolving Patient Landscape
Supported by: AbbVie US Medical Affairs
12:15-1:15 p.m.
Registration: Noon
(Lunch will be served)
CC • Room 293-296
Online: www.abbvie.com
Description: Hepatitis C virus (HCV) is the number one bloodborne infectious disease spread primarily through contact with the blood of an infected person. In the United States, more people infected with HCV than with HIV and HBV combined, and deaths associated with HCV infection surpassed HIV in the late 2000’s. Chronic HCV infection impacts the liver by causing liver scarring (cirrhosis) that progresses over time, resulting in HCV being the leading cause of liver transplantation and liver cancer. However, this progression is non-linear and is commonly undiagnosed until patients present with complications of end-stage liver disease. Therefore, identifying patients early may prevent long-term illness and medical costs. This interactive, non-accredited symposia will educate PCPs on HCV, including epidemiology, transmission, prevalence, and risk factors/behaviors. The program will highlight how PCPs are instrumental in the screening and diagnosis of new patients who may be unaware of their disease due to HCV’s asymptomatic nature.

This program does not offer CME credit.
HBV Is Not a Game: Or Is It? Optimizing Your Approach to HBV Management
Supported by: Gilead Sciences, Inc.
12:15-1:15 p.m.
Registration: Noon
(Lunch will be served)
CC • Room 393-396
Online: http://www.cmeoutfitters.com/HBVmgmt
Phone: 877-263-7767
Description: Missed opportunities, new challenges, a growing threat. Compared to 2014, cases of acute HBV infection increased 20.7% in 2015, fueled by the opioid epidemic which accounted for 59.4% of cases. 1,000 babies are infected each year through mother to child transmission. Barriers to vaccination, screening, and treatment—from providers and patients—can be broken down by best practice strategies driven by data. Is HBV a game? No, but that doesn’t mean learning best practices strategies can’t be. Join our expert faculty for this symposium that will integrate real-world cases and interactive iPad technologies to enhance the learning experience with a goal of improving confidence to make practice changes that will result in improved screening, evaluation, treatment, and monitoring of individuals infected with chronic HBV.

Wednesday, April 18 • Evening

Every Breath You Take: A Case-based Approach to Improving Diagnosis, Treatment, and Management of Patients with Chronic Obstructive Pulmonary Disease
Supported by: Boehringer Ingelheim Pharmaceuticals, Inc. and Sunovion Pharmaceuticals Inc.
7:00-9:00 p.m.
Registration: 6:30 p.m.
(Dinner will be served)
Hilton New Orleans Riverside • Grand Ballroom A-C
Online: www.paradigmcc.com/669
Phone: 877-252-5100, ext. 1
Description: Internal medicine clinicians whose patient population includes a large percentage of people with respiratory symptoms, often struggle to identify COPD early enough for optimal maintenance treatment to be initiated. Heterogeneous presentations and underuse of spirometry contribute to underdiagnosis and misdiagnosis. Once the diagnosis is made, treatment is complicated by a steady influx of both sophisticated pharmacotherapies and devices, and a lack of familiarity with guideline updates calling for significant practice changes based on compelling new data. This educational activity will discuss advances in COPD diagnosis and treatment that can significantly improve several important outcomes, including lung function, exacerbations, hospital admissions (and readmissions), and quality of life.

Getting Ahead of Migraine: Integrating Preventive Strategies Into Migraine Care
Supported by: Lilly
6:30-8:00 p.m.
Registration: 6:00 p.m.
(Dinner will be served)
New Orleans Downtown Marriott at the Convention Center • Blaine Kern Ballroom
Online: http://www.cmeoutfitters.com/MigraineCare
Phone: 877-263-7767
Description: Migraine is a debilitating condition with profound effects on individuals’ quality of life, accounting for five to nine million primary care visits each year. It is estimated that 38% of sufferers could benefit from preventive treatment, but few are currently using them nor are their healthcare providers discussing these options with them. Consequently, there is great interest in emerging data about calcitonin gene-related peptide (CGRP) agents as novel options for migraine prevention and the benefits they may provide to patients. In this interactive session, faculty will discuss the evidence for these new agents, share strategies to address migraine prophylaxis, and translate evidence to real-world clinical practice utilizing case based learning and interactive iPad technologies to engage learners and optimize changes in practice for healthcare providers.

Industry-Supported Symposia are independently organized and are not an official part of the Internal Medicine Meeting 2018 education program. For symposia offering Category 1 CME credit, CME credit is provided by organizations other than ACP.
Thursday, April 19 • Evening

**LDL-Cholesterol Lowering and Atherosclerotic Cardiovascular Disease Risk Reduction: Exploring the Evidence With Non-Statin Therapy**

*Supported by: Amgen*

6:30-8:30 p.m.

Registration: 6:00 p.m.

(Dinner will be served)

Hilton New Orleans Riverside • Grand Ballroom A

Online: www.symposiareg.com/21804

Phone: 973-467-0500

Description: Internists play an important role in managing patients with elevated LDL-Cholesterol (LDL-C). Awareness of recommendations for using statin therapy, and identification of patients with suboptimal LDL-C levels despite statin therapy who may be considered for the addition of non-statin therapy, are critical for effective atherosclerotic cardiovascular disease (ASCVD) risk reduction. The clinical profiles of non-statin therapies such as ezetimibe and PCSK9 inhibitors must be well-understood, and recent cardiovascular outcome trials interpreted. Roles of non-statin therapies for LDL-C lowering in the management of ASCVD risk, as defined in recently updated recommendations, must be identified in order for internists to implement best practice. In this program, experts will present, in state-of-the-art lecture and in “real-world” cases, optimal strategies for reducing risk in patients with elevated LDL-C.

**Cologuard®: Stool DNA Test for Colorectal Cancer Screening**

*Supported by: Exact Sciences*

6:30-8:00 p.m.

Registration: 6:00 p.m.

(Dinner will be served)

New Orleans Marriott • Bissonet

Online: lhoward@exactsciences.com

Phone: 608-210-5289

Description: Exact Sciences is committed to helping win the war on cancer through early detection. The company is the manufacturer of Cologuard, the first and only FDA approved stool DNA noninvasive colorectal cancer screening test. Cologuard was approved by the FDA in August 2014 to screen for colorectal cancer in adults of either sex, 50 years or older, who are average risk for colorectal cancer. Cologuard is incorporated into leading colorectal cancer screening guidelines and recommendations, and covered by a variety of health insurance plans, as well as Medicare. For more information about Cologuard, visit www.CologuardTest.com. Rx Only.

*This program does not offer CME credit.*

**Navigating the Nexus of T2D and CVD: Beyond Glucose Management**

*Supported by: Boehringer Ingelheim Pharmaceuticals, Inc. and Lilly USA, LLC*

6:30-8:00 p.m.

Registration: 6:00 p.m.

(Dinner will be served)

New Orleans Downtown Marriott at the Convention Center • Blaine Kern Ballroom

Online: www.medscape.org/townhall/cvot-internal-medicine-registration

Description: Cardiovascular disease (CVD) is the major cause of morbidity and mortality for patients with diabetes, as common coexisting conditions such as hypertension, obesity, and dyslipidemia increase CV risk. Type 2 diabetes (T2D) doubles the risk for major CV complications in patients who have established CVD, as well as those who do not. Internal medicine physicians must personalize their management of patients with T2D through therapy selection based on mechanisms of action and emerging trial data on efficacy and safety, including CV outcomes. In this live symposium, internal medicine experts in diabetes will discuss the relevance of new CVOT data on antihyperglycemic therapies and how they can be incorporated into clinical practice.
Additional Learning Opportunities

Friday, April 20 • Evening

Food Evolution & SMART Farm Educational Seminar: FEAST ON FACTS
Supported by: U.S. Farmers & Ranchers Alliance
6:30-9:30 p.m.
Registration: 6:00 p.m.
(Dinner will be served)
New Orleans Marriott • Bissonet
Online: http://www.fooddialogues.com/food-evolution-screening-seminar
Phone: 636-449-5049

Description: Physicians are a critical resource to their patients about food and are often asked about today’s agricultural practices. A screening of Food Evolution travels from Hawaiian papaya groves, to banana farms in Uganda, to the cornfields of Iowa. From Academy Award®-nominated director Scott Hamilton Kennedy, the film is a fully independent investigation into biotechnology, interviewing experts on both sides of the aisle. It was commissioned by the Institute of Food Technologists (IFT), which is comprised of 17,000 scientists from 95 countries. Following the screening, a notable panel will discuss the safety and sustainability of today’s food supply, including discussion on the advances in food and nutrition (i.e. hypoallergenic peanut, non-browning apples, etc.). Additionally, panelists will address the controversy surrounding genetically modified organisms (GMO).

This program does not offer CME credit.

Your Patient Notes Bowel Symptoms and Abdominal Pain. What Should You Do Next?
Supported by: Allergan, Inc and Ironwood Pharmaceuticals, Inc; Salix Pharmaceuticals, Inc; and Shire
7:00-9:00 p.m.
Registration: 6:30 p.m.
(Dinner will be served)
JW Marriott New Orleans • Ile de France Ballroom
Online: www.paradigmmmc.com/675a
Phone: 877-252-5100, ext. 1

Description: Patients with nonspecific diarrhea, constipation, and/or abdominal pain suggesting either functional GI disorder (FGID)—eg. irritable bowel syndrome (IBS), chronic idiopathic constipation, or secondary constipation (eg, opioid use)—often suffer years before receiving a definitive diagnosis and effective treatment. Well-intentioned PCPs are at risk to over-test and resort to therapies with little efficacy evidence, resulting in patient and provider dissatisfaction. The new Rome IV Interactive Clinical Decision Toolkit demonstration will familiarize PCPs (including internists and PAs) with symptom-based criteria to differentiate IBS subtypes from mimickers—without unnecessary testing and promote effective, evidence-based treatment. The algorithmic approach designed to efficiently evaluate the nonspecific symptoms of FGIDs and OIC, initiate individualized treatment, and improve the lives of patients with these common debilitating GI conditions.

Precision Medicine in Ankylosing Spondylitis: Fine-tuning Diagnosis and Treatment
Supported by: Novartis Pharmaceuticals Corporation
6:30-8:00 p.m.
Registration: 6:00 p.m.
(Dinner will be served)
New Orleans Downtown Marriott at the Convention Center • Blaine Kern Ballroom
Online: http://www.cmeoutfitters.com/ASPreMed
Phone: 877-263-7767

Description: Ankylosing spondylitis (AS) is a chronic, inflammatory arthritis that affects the axial skeleton. Due to an aging population and declining number of rheumatologists, care for patients with AS is suboptimal and it is critically important that front-line providers can recognize and manage these patients. AS is challenging to diagnose with a 5-10 year delay. Studies have shown that patients with shorter disease duration have better response to treatment. A diagnostic delay may cause patients to miss the chance of early treatment and have poorer prognosis, increased disability, limitation of spinal and hip movements, and poor quality of life and functional status. This live and interactive symposium will feature interactive iPad technologies to engage learners, present clinical cases and optimize changes in clinical practice.

Industry-Supported Symposia are independently organized and are not an official part of the Internal Medicine Meeting 2018 education program. For symposia offering Category 1 CME credit, CME credit is provided by organizations other than ACP.
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

2.1 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.

2.2 Administration 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>
<thead>
<tr>
<th>Aged 50-59 Years</th>
<th>Aged 60-69 Years</th>
<th>Aged ≥70 Years</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Local</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adverse Reactions</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SHINGRIX</td>
<td>Placebo</td>
<td>SHINGRIX</td>
</tr>
<tr>
<td>Pain</td>
<td>88.4</td>
<td>14.4</td>
</tr>
<tr>
<td>Pain, Grade 3</td>
<td>10.3</td>
<td>0.5</td>
</tr>
<tr>
<td>Redness</td>
<td>38.7</td>
<td>1.2</td>
</tr>
<tr>
<td>Swelling</td>
<td>30.5</td>
<td>0.8</td>
</tr>
<tr>
<td>Swelling, &gt;100 mm</td>
<td>1.1</td>
<td>0.0</td>
</tr>
<tr>
<td><strong>General</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adverse Events</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SHINGRIX</td>
<td>Placebo</td>
<td>SHINGRIX</td>
</tr>
<tr>
<td>Myalgia</td>
<td>56.9</td>
<td>15.2</td>
</tr>
<tr>
<td>Myalgia, Grade 3</td>
<td>8.9</td>
<td>0.9</td>
</tr>
<tr>
<td>Fatigue</td>
<td>57.0</td>
<td>19.8</td>
</tr>
<tr>
<td>Fatigue, Grade 3</td>
<td>8.5</td>
<td>1.8</td>
</tr>
<tr>
<td>Headache</td>
<td>50.6</td>
<td>21.6</td>
</tr>
<tr>
<td>Headache, Grade 3</td>
<td>6.0</td>
<td>1.7</td>
</tr>
<tr>
<td>Shivering</td>
<td>35.8</td>
<td>7.4</td>
</tr>
<tr>
<td>Shivering, Grade 3</td>
<td>6.8</td>
<td>0.2</td>
</tr>
<tr>
<td>Fever</td>
<td>27.8</td>
<td>3.0</td>
</tr>
<tr>
<td>Fever, Grade 3</td>
<td>0.4</td>
<td>0.2</td>
</tr>
<tr>
<td>GI</td>
<td>24.3</td>
<td>10.7</td>
</tr>
<tr>
<td>GI, Grade 3</td>
<td>2.1</td>
<td>0.7</td>
</tr>
</tbody>
</table>

Total vaccinated cohort for safety included all subjects with at least 1 documented dose (n).

- 7 days included day of vaccination and the subsequent 6 days.
- 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.
- Placebo was a saline solution.
- Grade 3 pain: Defined as significant pain at rest; prevents normal everyday activities.
- Grade 3 myalgia, fatigue, headache, shivering. GI: Defined as preventing normal activity.
- 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°C/100.2°F.
- 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 ≥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 0.6% 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.

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Research Triangle Park, NC 27709

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**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 (e.g., 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.

Please see Brief Summary of Prescribing Information for SHINGRIX on inside adjacent pages.

**References:**

1. Prescribing Information for SHINGRIX.

Learn how YOU can protect your patients at SHINGRIXHCP.com.