

SCHOLARLY ACTIVITY/EDUCATION IN THE HONORHEALTH THOMPSON PEAK INTERNAL MEDICINE RESIDENCY PROGRAM

2017-2018 EXECUTIVE SUMMARY

Overview

The purpose of the Internal Medicine Scholarly Activity Program is to support a scholarly environment and enable residents to pursue a career involving clinical research by providing residents with a strong foundation in research, ensuring their effectiveness in evaluating the care of the patient in terms of best practices and their proficiency in critical appraisal of peer-reviewed literature, helping residents develop a pattern of lifelong learning habits. The Scholarly Activity Program (SAP) is designed to fulfill the residency program's Practice-Based Learning and Improvement goals, specifically the utilization of information technology, critical appraisal of medical evidence and integration of evidence-based medicine into clinical decision-making. Scholarly activities of residents & faculty are documented & assessed regularly as a part of the Internal Medicine Program evaluation and is also assessed through the annual ACGME Faculty & Resident Survey.

As a part of Internal Medicine's SAP, a comprehensive curriculum has been designed to solidify research and scholarship within our residents. Specific skills in research and scholarly activity taught in the curriculum include:

- The ability to critically appraise the literature and evidence-based guidelines;
- Critical thinking skills, specifically in the areas of primary care research, evidence-based medicine reviews, continuous quality improvement initiatives, practice-based implementation research, patient-centered outcomes research, and comparative effectiveness research;
- The ability to participate in clinical discussions, grand rounds, journal clubs, patient quality and safety conferences, and research conferences that promote a spirit of inquiry and scholarship;
- The ability to design and conduct a scholarly project that has measurable objectives and fills a knowledge gap;
- The ability to present scholarly activity findings and scientific abstracts at local, regional, or national professional and scientific society meetings;
- The ability to write up scholarly activity findings in final report, abstract or manuscript form and, if applicable, submit for publication in peer-reviewed scientific journals;
- Basic understanding of research methodology as pertains to health care research;

- Basic understanding of biostatistics and analytical and evaluation techniques;
- Basic knowledge of human subjects protections (through CITI training) and institutional review board processes

This executive summary is organized into three parts. In Part I, scholarly activity processes and structures are identified and described. Part II provides details regarding resources in place to support scholarly research activities. Part III presents a list of recent faculty & resident activities.

PART I – Processes for Scholarly Activity & Research

The Scholarly Activity Program is administered through a variety of teaching strategies, including ambulatory medicine case conferences, annual retreats, core curriculum lecture series, the Great Debates, journal club, morning report, multidisciplinary clinical forums, quality improvement projects, resident teaching role, Internal Medicine Grand Rounds, Work/Life Balance lecture series/Art of Medicine and Healthcare Deliver/Business of Medicine series. Residents will be required to submit scientific abstracts, posters and/or manuscripts to professional associations and publishers with the intent to present at conferences, publish in peer-reviewed journals, or participate actively in ongoing research at HonorHealth.

Attendance at conferences is documented and included in each resident's Semi-annual Performance Evaluation. Emergent patient care duties take precedence over conference attendance requirements, however the material is placed on Blackboard and residents not attending in person are required to review the Blackboard material.

See Appendix B for Conferences & Lectures Master Schedule.

The sections below provide further details for each type of scholarly activity.

Ambulatory Medicine Curriculum

The Ambulatory Medicine Curriculum includes the Yale Primary Care Curriculum, in addition to a weekly Cardiology lecture series. Attendance and participation is mandatory.

The Yale Primary Care Curriculum is reviewed in a weekly group setting and covers relevant outpatient topics in core general internal medicine, the practice of medicine, quality and safety, as well as subspecialty topics. This conference fosters skills in the location and appraisal of evidence from scientific studies and direct application of evidence to patient care, promoting a practice of life-long learning. Utilizing the Yale Primary Care curriculum key topics and links to evidence-based information is provided in a case-based format. Discussion and feedback is provided through the open, interactive forum of the case conference guides residents in appraising the quality of information available in the medical literature and discriminating the evidence-based medicine to be applied to their specific case and/or assimilated into their practice. Supervising faculty provide a follow-up evaluation of this presentation with direct or indirect supervision of its application to practice management and patient care.

The Cardiology lecture series is held weekly and reviews relevant topics in the field of cardiovascular medicine and includes but is not limited to the diagnosis, treatment, prognosis, and prevention of common cardiology disease processes. Residents are also provided for opportunities to review cases with the Cardiology physician during these sessions.

Week	Mon	Tue	Wed	Thu	Fri
1		Hypertension Management	Resident Case Presentation	Patient Compliance	
2		Musculoskeletal Exam	Resident Case Presentation	Headaches	
3		Neurological Exam	Do not miss dermatology	Depression Screening/Treatment	
4		Outpt Diabetes Management	Cancer Screening 1 Breast/Prostate	Osteoarthritis diagnosis and treatment	

Annual Retreats

In the fall of the PGY-1 year, a full day retreat focuses on both patient communication skills and physician well-being including the incorporation of the arts in medicine. During the first half of this retreat, the PGY-1 residents learn to interact with patients from the HonorHealth Patient Experience Officer and a team of standardized patients. They review the literature and evidence on patient experience techniques including facial recognition. The second half of this retreat is spent reviewing the literature on stress management, physician burnout and maintaining work-life balance. As part of this second half residents participate in including the arts into medicine. Recent retreats have included time spent at the Musical Instrument Museum where residents participated in a healing drum circle and the Desert Botanical Gardens where residents learned about the healing plants the Native American healers used to treat common maladies.

A “Transitioning to Leader and Teacher” retreat is held in the spring of the PGY1 year in anticipation of the transition to their PGY2 leadership role. In this retreat, residents interact with faculty and educators on learning theories, evaluation, feedback, and negotiation skills.

A “Career Guidance” retreat is held in the fall of the PGY2 year to prepare residents to consider future career paths. This includes fellowship preparation/advice, academic career guidance, and how to evaluate job opportunities.

Core Curriculum Lecture Series

This noon lecture series is delivered by core faculty and subspecialty faculty and other nonclinical content experts. Residents are provided with lectures designed to cover the basic curriculum relevant to a general internist, with presentations focused on preparing residents for practice as well as for the American Board of Internal Medicine certifying examination. This series group learning in both general medicine and in the medical subspecialties and related medical specialties to provide continuity of learning and scheduling.

See Appendix C for a comprehensive list of topics and the 2017-2018 Core Curriculum and Morning Report faculty schedule.

Below is an example of the first month of the core curriculum series.

Month	Week 1	Week 2	Week 3	Week 4
July- Intern "Onboarding & Resident Review	Inpatient Medicine Ex. Transitions of Care, Advanced Directives, Admitting Orders	Inpatient Medicine Ex Quality of Care Initiatives, Working in a multidisciplinary team	Cardiology 1 Ex Acute Chest Pain, CHF, ECG, Common Arrhythmias	Pulm Critical Care Ex Use of mechanical ventilation, Overdose, Shock, Hemodynamic treatment/monitoring
August	Gastroenterology- Cost effective workup of	Infectious Disease- HIV diagnosis and	Evidence-Based Medicine-	Oncology- Breast Cancer diagnosis and initial treatment, Common side

Faculty Research and Scholarly Activity

To foster faculty interest and engagement in research, HonorHealth has partnered with the University of Arizona-Phoenix, School of Medicine to design faculty development courses, including a Research Associate Faculty Learning Community. This community seeks to establish a mentoring program, offer a broader definition of scholarship to include educational, clinical and service & outreach scholarship, provide didactics on study design principles, develop a peer-review/peer-mentoring group, and lend biostatistical support to faculty and residents. Research faculty, Quality and Enhancement Services faculty, and faculty development initiatives will guide the development of skills needed to enable Core Faculty and non-Core Faculty to mentor residents in scholarly activity.

A number of faculty members are engaged in research at HonorHealth, including work in both cardiology and oncology. Subspecialty coordinators participate in the Internal Medicine Grand Rounds, both as presenters for the local-regional community and organizers of their specialty educational sessions.

The Great Debates

This monthly conference is designed to help residents understand the controversies related to medical practice and care. The format allows residents to understand both sides of a controversial issue and then be able to decide on how they would like to use that data going forward for their own practice.

It operates as resident-led, under the supervision of a faculty, interactive sessions in which two residents/resident teams choose a controversial topic in medicine and each formally “debates” the merits of each side of the controversy. One resident/team chooses the topic, the other chooses which side they would like to take in the debate. Faculty advisors work with each side to help sharpen their skills in analyzing the literature and, in turn, learn both sides of each controversial topic as well. All residents are required to attend this conference and actively engage in questions for the two resident participants/teams. A debate moderator (program director or other faculty member) flips a coin to determine which side starts the debate and also serves as time-keeper. The debate continues as follows:

- Round 1- Initial Presentation (10 minutes each) - Each participant/team has 10 minutes to present their information. Neither side may specifically rebut the other’s argument during this part of the presentation, however, they can generically explain why they believe their viewpoint/data is correct.
- Round 2- Rebuttal (5 minutes each) - Each participant/team gets to present a rebuttal argument against the viewpoints/data presented by the other participant/team.
- Round 3- Audience Questions (15 minutes) – Audience members may ask questions of the two participants/teams and they are given a maximum of 2 minutes to respond to each question.
- Specialist Input (5 minutes) - If the faculty mentors are present or a specialist is in attendance, they are given 5-10 minutes to discuss their viewpoints on the debate topic.

Rules of engagement include:

- No fighting or biting
- The participants do not have to actually endorse the side of the debate they have been given, but they do have to research it, understand that side of the argument and defend it during the debate.
- Utilize your medical librarians, they can provide the articles utilized.
- You must share the articles you are going to utilize with your debate partner. There are no “gotchas” in the Great Debates. All articles should be given to the other side 5 days in advance. There is no voting for a winner. We are all winners at the end of the debate, having a much richer view of the issues.

Journal Club

This conference is designed to foster skills in use of information technology to optimize learning and expand skills in appraisal and assimilation of evidence from scientific studies. It is a monthly, resident-led, interactive session under the supervision of Core Faculty and faculty members with content expertise relevant to the topics chosen for presentation. All residents are required to attend. Residents present a critical appraisal of an article from the medical literature which is topical and relevant to recent medical experience. Residents are encouraged to consult with a medical librarian for assistance with literature searching and article retrieval. Journal club articles are shared through the program's online learning management system.

With faculty supervision, residents identify specific topics from their clinical practice with features of particular current interest or controversy. The salient issue may reflect case specific diagnostic, therapeutic or management challenges or highlight new evidence in practice management strategies, preventive care standards, or emerging therapeutic or diagnostic tools. Residents present to faculty, peers, and any interested or involved members of the interprofessional team. HonorHealth Library Services provides on-site and off-site access to medical literature databases and tools including Medline, the Cochrane Library, UpToDate, ClinicalKey, academic- and research-based texts and journals in both print and electronic formats, health care delivery and management databases, and patient education/consumer health and wellness resources. Staff medical librarians provide orientation to all incoming residents on search capabilities and are available to instruct and assist in database searches. The resident selects, summarizes and presents the literature relevant to the selected topic.

Morning Report

All residents on the Inpatient Medicine rotation including the night float rotation participate in and present at Morning Report, scheduled daily, Monday through Friday. Morning report is designed to bolster critical thinking, presentation skills, and skills in all six of the ACGME competency domains. Residents learn to not only demonstrate their medical knowledge, but also sharpen their analytic skills in interpreting the literature, incorporate high-value care and practice-based learning, and understand the systems of care that will be required for the patient during their stay and when relevant to discuss the patient's expected transitions of care.

Each session starts with sign-out rounds where faculty/senior residents supervise the signing out of patients and patient issues from the night resident to the day team. There is education about cross-coverage issues and admissions that are transferred from the night team to the day teams.

Residents then identify an active case on the hospital medical service for more comprehensive presentation to the Program Director, faculty, peers, and any interested or involved members of the hospital interprofessional team. The case may represent an interesting diagnosis or diagnostic dilemma therapeutic dilemma requiring reconsideration of the current approach, a straightforward case instructive of a standard or common medical issue, or an unexpected or unwanted event or outcome.

HonorHealth Library Services staff attend on a routine basis to support the program through literature searching to help answer clinical questions that are generated during Morning Report. The resident is

required to compile the results of literature searches from medical librarians with any recommendations from consulting physicians or non-physician staff to summarize the issues at hand.

Resident presentations are comprehensive and evidence-based, including a compilation of relevant information from the medical literature. Presentations review high-value care diagnostic and therapeutic decision making and involve the specialty education of the week. Through interactive discussion, residents present case studies and solicit feedback from which they may create an ongoing plan of care and incorporate this input into their daily practice. Further topics for investigation or methods for self-improvement may be identified in this open format. Faculty provide both direct and indirect supervision on the follow-up plan of action, evaluating and providing feedback on resident progress.

With the structure and attendance of Morning Report, topics reviewed can then be utilized directly in patient care. In addition to self-reflection, this activity requires incorporation of multiple sources of information into daily practice, promoting and modeling life-long self-appraisal and learning.

National Convention and Conferences

During their time at HonorHealth, all residents will be expected to present a scholarly research project at a local, regional and/or national meeting. Presentations may include a published work, poster and/or podium presentation representing a research project completed during Internal Medicine residency. Presentations will be prepared under supervision of residency faculty and/or physician researcher.

Quality Projects & Teams

QUALITY IMPROVEMENT/PATIENT SAFETY SCHOLARLY RESEARCH PROJECT

All residents are required, prior to graduation, to participate in a quality improvement (QI) project. These projects can be ambulatory, inpatient, or subspecialty-based. Projects can also represent resident's required scholarly activity.

Starting in their PGY2 year, residents have one half-day per week of dedicated time during all ambulatory rotations to work directly one-on-one with the Quality Improvement/Patient Safety (QIPS) specialist. These individual sessions initially focus on QI project generation, development, reporting, and sustainment, but will later dynamically incorporate a broader QIPS including:

- **Intro to Patient Safety**
 - Error reporting, Healthcare Value Compass, Cognitive Biases
- **QI vs. Research & how to utilize data**
 - Statistical Process Control & change detection, Making change & getting buy-in
- **Casual Analysis**
 - Process flow mapping & Kaizen diagrams, Ishikawa analysis
- **Lean/Six Sigma**
 - Lean Principles and Philosophy, Value Stream Mapping/Analysis & VOC/voice of customer, HFMEA, Human Factors Engineering & usability testing

- **High Reliability Healthcare**

- Communication & Crisis Resource Management, Just Culture & teamwork

Additionally, residents are required to complete several IHI modules as a further backbone to understanding quality and healthcare improvement. During their PGY3 year, they continue individual work yet are also required to highlight their project outcomes and QI insights through both traditional scholarly venues (publishing and posters) as well as two program-specific Internal Medicine Grand Rounds during the academic year.

ROOT CAUSE ANALYSIS (RCA) CONFERENCES As part of their inpatient rotations, resident physicians participate in multidisciplinary RCA conferences. These conferences review unexpected clinical outcomes and “near-misses” data and processes and utilizing quality improvement tools, develop plans to prevent these outcomes for future patients. Third year internal medicine residents will take a leadership role working with the Chief Medical Officer, the hospital quality officer and other hospital staff to run these in the coming year.

Residents As Teachers

Residents have multiple opportunities to practice and develop their teaching skills. Thompson Peak Medical Center is an Internal Medicine clerkship site for medical students from the University of Arizona-Phoenix’s School of Medicine, Midwestern University’s College of Osteopathic Medicine, and A.T. Still University’s College of Osteopathic Medicine. In addition to the teaching demands required of daily interaction with patients, families, and other health care professionals, residents participate in teaching these medical students during clerkships. Additionally, faculty model and mentor teaching skills on clinical rounds, in didactic sessions, through committee work, and in nearly all aspects of clinical practice for which they provide supervision. Residents have numerous opportunities to teach and counsel patients. These interactions are frequently supervised by faculty or senior residents, offering opportunities for feedback and improvement. As residents advance, they are expected to take on a greater teaching role, including teaching more junior residents and leading in interactive didactic sessions.

Multiple tools are utilized to assess and provide feedback for improvement on skills at educating patients, families, students and peers. Faculty provide daily, face-to-face feedback on resident teaching and counseling skills, and the Mini-CEX tool is used to document this process. Residents incorporate this real-time feedback into their daily practice. Additionally, communication skills are assessed with a program-specific Conference Presentation Evaluation tool, further reflecting ability to teach. At the conclusion of each rotation, residents are evaluated by the faculty in the six ACGME competencies, including issues relevant to their teaching performance. Residents review these evaluations at the end of each rotation. Medical students complete an evaluation form of residents involved in their instruction. Resident peers are periodically called upon to evaluate each other. Skills at teaching are included in this assessment. Finally, the Program Director provides a Semiannual Performance Evaluation review with each resident at which feedback from all these sources is provided. Residents utilize this feedback to improve upon their teaching skills.

Internal Medicine Grand Rounds

This conference is for the medical staff at all HonorHealth medical centers. It is available on-site at Thompson Peak Medical Center and remotely through Webex. Participants provide a broad representation from all departments within the organization. Topics are largely clinical but may also include basic science, public health, and operational issues in the organization. Two Grand Rounds per year will be dedicated to upper-level resident presentations.

Physician Well-Being

This is a multidisciplinary curriculum is designed to promote a culture of wellness, enhance personal resilience, and prevent burnout. Residents are provided with career and financial counseling. Formal group teaching sessions are provided and include techniques to identify fatigue, enhance mindfulness and resiliency, and optimize physical and mental health.

PART II – Resources for Scholarly Activity & Research

Internal Medicine Residency Program Online Resources

The residency program provides access to the following:

- Blackboard
- NEJM Resident360
- NEJM Knowledge Plus Board Review
- Yale Ambulatory curriculum
- Membership to the American College of Physicians and its many online tools & resources

HonorHealth Library Resources

ACCESSIBILITY HonorHealth Osborn Medical Center, Shea Medical Center and John C Lincoln Medical Center libraries provide 24/7 access to single workstations as well as meeting/collaboration space. The libraries also maintain a Web-based library portal which is available on-site through the employee intranet and off-site through Athens (authentication software). Librarians provide mobile app support for several key resources:

- UpToDate clinical decision support system
- Elsevier’s ClinicalKey resource which contains the FirstConsult clinical decision support system along with thousands of high-impact electronic textbooks and journals, practice guidelines, over 340 procedure/skills videos, image library and PresentationMaker component to support presentations
- Micromedex drug information, IV compatibilities, drug/herbal/food interactions, other pharmaceutical tools & calculators; also includes Pediatric Essentials & NeoFax Essentials

LIBRARIAN SUPPORT A wide range of library services are provided by the HonorHealth librarian team, which consists of 4.0 FTE American Library Association accredited medical librarians. Outside of physically staffed hours at each location, librarians can be emailed or contacted by phone at the health science library locations.

Personalized services available at HonorHealth libraries include:

- Mediated (librarian-assisted) literature searching using databases and search engines that access published and unpublished evidence (results delivered with 48 hours of receiving request)
- Mediated “state of the science” literature reviews, including a synopsis of findings and critical appraisal of the literature, to support patient care needs
- Mediated searching for acute & chronic disease management and general health & wellness information for patients & families (results delivered within 48 hours of receiving request)
- Research consultations, including research question brainstorming and development using the PICOT algorithm, identification of appropriate resources for searching, search strategy

development and database manipulation guidance

- Citation management, presentation and publishing support, including identification of appropriate journals to consider for submission and formatting, reference lists and footnoting support according to publisher's instructions for authors.
- Document retrieval & delivery (delivery frequently same-day, otherwise 1-3 days of receiving request)
- One-on-one and small group training on all library databases & tools, ranging from quick overviews of resources & research tools to advanced/expert search strategy training
- Technical assistance and training for the UpToDate clinical decision website and mobile app, the ClinicalKey site and mobile app, and the Micromedex suite and mobile apps.
- Meeting and collaboration space which includes a large conference table with electrical outlets
- Provision of reliable, easy-to-read, evidence-based consumer health & wellness resources for patients & families as well as for residents & faculty as they communicate with and educate their patients
- Health literacy consultation services, including review of proposed patient education & discharge instructions and recommendations to improve readability and comprehension, which improves patient outcomes overall and reduces hospital readmissions
- Faculty development through journal alert (eTOCs) service to help deliver the most current information & research as it becomes available

CONTENT HonorHealth Library Services provide access to numerous print & electronic resources. Many have been acquired through membership to the Arizona Health Information Network (AZHIN), a statewide consortium uniting communication technology and resource access in the Arizona health care and health education communities. Other resources are acquired through Library Service's operation budget and HonorHealth Foundation funding. Resources include:

- Evidence-based medicine (Cochrane Library, Essential Evidence Plus, MedCalc3000, UpToDate, FirstConsult)
- Journal literature databases (PubMed, Ovid Medline, Ebsco Medline with Full Text, CINAHL Complete, Health Business Elite)
- Research and scholarly project tools (research instruments/scales, theses/dissertations)
- Faculty resources (ProceduresConsult, Teacher Reference Center)
- eBooks, Full-text (ClinicalKey, STAT!Ref, Ovid Books)
- eJournals, Full-text (JAMA and JAMA Archives, Lancet, NEJM, and thousands more through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections)
- Drug information (Micromedex and Lexi-Comp via UpToDate)
- Herbs & Supplements (Alternative Medicines database within Micromedex)

See Appendix A for detailed descriptions of these resources.

Electronic resources are easily accessible on-site via the employee/intranet site. They are also accessible off-site through authentication software (Athens). Athens accounts are assigned upon request.

HonorHealth Research Institute

The HonorHealth Research Institute (HRI) provides both institutional and scientific review for all research activities at the organization, including the scholarly projects of residents and faculty. All research performed at HonorHealth is based on scientific principles and carried out using the highest quality standards. The HRI assists in setting the standard for excellence in personalized healthcare by developing a culture of inquisitiveness, leading to the provision of the best evidence-based medicine to patients and the community. HRI provides the following:

- research administration staff responsible for ensuring that all research performed at HonorHealth is in compliance with relevant state and Federal requirements and that it fulfills the HonorHealth mission;
- documentation to guide researchers through the process of both investigator- and sponsor-initiated studies;
- guidance on scientific and institutional review board submissions;
- access to human subject protections training;
- access to local resources, including statisticians and other personnel experienced in research;
- Office of Sponsored Programs (OSP), which is responsible for supporting researchers in the identification and submission of grants.

PART III – Inventory of Scholarly Activities

Resident Activities

QUALITY IMPROVEMENT PROJECTS

Trainee Name(s)	PGY	Scholarly Project Title	Completion Date/ Expected Completion
Brandon Bilkowski, MD	PGY2	“LGTBQ Provider Competency” (Identify barriers LGTBQ patients face in accessing healthcare, systemic biases that contribute to these barriers and basic solutions to improving healthcare for this patient population.) HonorHealth, Scottsdale AZ (2018, June 30)	06/30/18 Completion Plan Stage
Harshad Chaudhari, MD	PGY 2	“Hb A1C & Ophthalmology” (Improve care for diabetic patients by monitoring A1C scores with a target of reducing under 8 percent; scores also will trigger retinal scan/eye care follow-up) Jomax Clinic, HonorHealth, Scottsdale AZ (2018, June 30)	06/30/18 Implementation Stage
Benjamin Lawson, MD	PGY 2	“Midnight Rounds: A Quality Improvement Initiative to Enhance Patient Care at Night.” (Determine if implementation of “Midnight Rounds” would improve patient outcomes (length of stay, falls, ICU transfers and communications ratings) and nurse engagement.) HonorHealth, Scottsdale AZ (2018, June 30)	06/30/18 Completion Plan Stage
Alexis MacDonald, MD	PGY 2	“CLABSI/Line Insertion Module” (Develop a central line insertion training module for residents based on reducing HonorHealth CLABSI rate; training completed for all PGY1 incoming residents in June 2018) HonorHealth, Scottsdale AZ (2018, June 30)	06/30/18 Completion Plan Stage
Jameson Ross Petersen, MD	PGY 2	“Pneumonia Vaccinations” (Improve pneumonia vaccination rate especially in frail or high-risk patients through better identification and monitoring of clinic metrics and establishing systematic alert system) Jomax Clinic, HonorHealth, Scottsdale AZ (2018, June 30)	06/30/18 Completion Plan Stage
Rangashree Varadarajan, MD	PGY 2	“Improved Sepsis Alerts” (Proposed interprofessional inpatient QI pilot project aimed at improving post-operative sepsis inpatient monitoring by heart rate as a potentially more sensitive and specific identification method. HonorHealth, Scottsdale AZ (2018, June 30)	06/30/18 Design/Methodology Stage with proposed mid-Aug 2018 rollout

RESEARCH PROJECT

Trainee Name(s)	PGY	Scholarly Project Title	Completion Date
Alexis McDonald	PGY2	Principal Investigator; “Frailty in the ICU”: Use of frailty assessment tools in the ICU admission as a predictor for mortality, length of stay, disposition and 30 and 60-day readmission.	HonorHealth IRB approval 2017; research in process

PUBLISHED JOURNAL ARTICLE/ABSTRACT

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Ben Lawson, MD	PGY 2	Artwork "Sea of Perplexity" ACP Transitions Newsletter, 9 (1) Dec 2017.	Dec 2017
Ben Lawson, MD	PGY 2	"Mycrobacterium Fortuitum as a Rare Etiology of Red Breast Syndrome: A Case Report and Review of the Literature." Med-Clin Res and Rev 2017 1(3) 1-3.	Fall 2017
Ben Lawson, MD	PGY 2	"Narcoleptic-Like Episodes in a Patient Receiving Pegylated Interferon-alpha 2b: A case Report and Review of Literature." Anticancr Research 2017 Mar 1 37(3) 1365-8.	Mar 2017
Ben Lawson, MD	PGY 2	Artwork "The Ride Home" ACP Transitions Newsletter, 8 (1) Oct 2016.	Oct 2016

GREAT DEBATES

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Mary Gomez, MD; Dylan Doss, MD	PGY1	"Utility of X-Rays"	06/20/18
Dan Davis, MD; Mary Gomez, MD	PGY 1	"Acne and diet: bursting the myths"	05/22/18
Jameson Ross Petersen, MD; Rangashree Varadarajan, MD	PGY 2	"Medical Therapy or occuder for PFO stroke therapy?"	04/24/18
Alexis MacDonald, MD; Allan Santos, MD	PGY 1 & 2	"Antibiotic use in COPD Exacerbation?"	02/27/18
Brandon Bikowski, MD; Janie Goodall, MD	PGY 1 & 2	"Use of lubricant in a speculum exam?"	01/30/18
Evan Huntley, MD; Dan Davis, MD	PGY1	"Short-term or long-term benzodiazepines in the treatment of severe alcohol withdrawal?"	01/02/18
Ben Lawson, MD; Harshad Chaudhari, MD	PGY 2	"PO vs IV Steroids for temporal arteritis with vision loss?"	12/05/17
Ben Lawson, MD; Alexis McDonald, MD	PGY 2	"Short vs long term antibiotic use for skin and soft tissue infections?"	11/07/17
Rangashree Varadarajan, MD Brandon Bikowski, MD	PGY 2	"Are electronic cigarettes an appropriate alternative for smoking cessation?"	10/10/17
Janie Goodall, MD; Dylan Doss, MD	PGY1	"Depression: efficacy of antidepressant medication"	09/12/17
Evan Hundley MD; Allan Santos, MD	PGY1	"Clinical utility for medical marijuana?"	08/15/17
Harshad Chaudhari, MD; Jameson Ross Petersen, MD	PGY 2	"Statin and Diabetes"	07/10/17

JOURNAL CLUB

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Alexis MacDonald, MD	PGY 2	Wright J et al. "A Randomized Trial of Intensive Versus Standard Blood-Pressure Control." <i>New Engl J Med</i> 373(22) 2103-2116.	06/29/18
Ben Lawson, MD	PGY 2	Goldstein FC et al. "Proton Pump Inhibitors and Risk of Mild Cognitive Impairment and Dementia." <i>J Am Geriatr Soc.</i> 2017 Sep;65(9):1969-1974.	05/15/18
Harshad Chaudhari, MD	PGY2	Anderson et al. "Aspirin or Rivaroxaban for VTE Prophylaxis after Hip or Knee Arthroplasty." <i>N Engl J Med</i> 378(8) 699-707.	04/17/18
Rangashree Varadarajan, MD	PGY 2	Semler MW et al. "Balanced Crystalloids vs Saline in Critically Ill Adults." <i>N Engl J Med.</i> 2018 Mar 1;378(9):829-839.	03/20/18
Daniel Davis, MD	PGY 1	Ornish D, et al. "Intensive Lifestyle Changes for the Reversal of Coronary Heart Disease." <i>JAMA.</i> 1998 Dec 16;280(23):2001-7.	02/20/18
Evan Hundley, MD	PGY 1	Padmanabhan et al. "Clinical Safety of Magnetic Resonance Imaging in Patients with Legacy Pacemakers and Defibrillators and Abandoned Leads." <i>Heart Rhythm</i> 2018 Feb;15(2):228-233.	01/23/18
Dylan Doss, MD	PGY 1	Patel et al. "Effect of a Game-Based Intervention Designed to Enhance Social Incentives to Increase Physical Activity Among Families" <i>JAMA Intern Med</i> 2017 Nov 1;177(11):1586-1593.	11/28/17
Allan Santos, MD	PGY 1	Stub D et al. "Air versus Oxygen in ST-Segment-Elevation Myocardial Infarction [AVOID Study]" <i>Circulation.</i> 2015 Jun 16;131(24):2143-50.	10/3/17
Janie Goodall, MD	PGY 1	Sood A et al. "Stress Management and Resilience Training Among Department of Medicine Faculty: A Randomized Clinical Trial." <i>J Gen Intern Med.</i> 2011 Aug;26(8):858-61.	09/05/17
Brandon Bikowski, MD	PGY2	Nissen EC et al. "Prophylactic hydration to protect renal function from intravascular iodinated contrast material in patients at high risk of contrast-induced nephropathy (AMACING): a prospective, randomized, phase 3, controlled, open-label, non-inferiority trial." <i>Lancet.</i> 2017 Apr 1;389(10076):1312-132.	08/22/17
Jameson Ross Petersen, MD	PGY 2	Roerick ME et al. "Cytokine Inhibition in Patients with Chronic Fatigue Syndrome: A Randomized Trial" <i>Ann Intern Med.</i> 2017 Apr 18;166(8):557-564.	07/11/17

PRESENTATIONS/POSTERS/ABSTRACTS

Trainee Name	PGY Year	Title	Completion Date
Benjamin Lawson, MD	PGY2	Poster presentation: Lawson BO, Razo S, Bay C, Brewer M, Holdsworth E, Markus A, Graves K, Sharer R. "Midnight Rounds: A quality Improvement Initiative to Enhance Patient Care" ResQIPS, HonorHealth, Scottsdale AZ (2018, May 30)	05/30/18
Janie Goodall, MD Brandon Bilkowski, MD	PGY1 & PGY2	Moderated panel presentation: "Improving Healthcare Provision to the LGBT Community: A Panel Discussion" HonorHealth IM Grand Rounds, Scottsdale AZ (2018, May 14)	05/14/18
Jameson Ross Petersen, MD	PGY2	Procedures Training presentation: "Arthrocentesis and Bursal Injections" ACP National Conference, Herbert S Waxman Clinical Skills Center (2018, April 18)	04/18/18

Alexis MacDonald MD	PGY2	Abstract submitted: MacDonald A, Parker K “Recurrent Neck Swelling leads to Spontaneous Chylothorax.” Chest Journal.	03/02/18
Jameson Ross Petersen, MD	PGY 2	Oral Vignette presentation: Petersen JR. “Getting to the bottom of Diarrhea”, ACP-AZ (2017 Oct 22)	10/22/17
Daniel Davis, MD	PGY 1	Poster presentation: Davis D, Markus A., Sharma R “Mildly-hyperglycemic Diabetic Ketoacidosis Associated with Canagliflozin After Roux-En-Y Gastric Bypass Surgery”. ACP Chapter Meeting- AZ (2017 Oct 21)	10/21/17
Benjamin Lawson, MD	PGY 2	Poster Presentation: “Phenytoin and Rifampin to Treat Acute Tacrolimus Toxicity in a Bone Marrow transplant patient recipient: do they really make a difference?” ACP Chapter Meeting- AZ (2017 Oct 21)	10/21/17
Brandon Bikowski, MD	PGY 2	Poster presentation: Bikowski B, Schroeder L, Holdsworth E. “An Unusual Cause of Colitis and Ileitis in an Immunocompetent Host”. ACP Chapter Meeting-AZ (2017, Oct 21).	10/21/17
Alexis MacDonald, MD	PGY2	Poster presentation: McDonald A. Markus A. “Recurrent Neck Swelling Leads to Spontaneous Chylothorax” ACP Chapter Meeting AZ (2017, Oct 20)	10/20/17
Rangashree Varadarajan, MD	PGY 2	Poster presentation: Varadarajan R, Holdsworth E. “A Rare Presentation of Coccidioidomycosis as Diffuse Miliary Pneumonia”. ACP Chapter Meeting-AZ (2017 Oct 20)	10/20/17
Harshad Chaudhari, MD	PGY 2	Poster presentation: Chaudhari, C. “AIN Caused by Omeprazole”. ACP Chapter Meeting-AZ (2017, Oct 20)	10/20/17
Alexis MacDonald, MD	PGY2	Abstract submitted: MacDonald A. “Transitions in Residency”. Academic Medicine Journal.	09/29/17
Benjamin Lawson, MD	PGY2	Oral Vignette presentation Lawson B, Schroeder L “Mycobacterium Fortuitum as a rare etiology of red breast syndrome: a case report and review of literature.” Global Summit on Tuberculosis, Philadelphia. PA (2017, Sept 20)	09/20/17

GRANT SUBMISSION

Trainee Name(s)	PGY	Scholarly Project Title	Completion Date
Harshad Chaudhari	PGY2	“DMARDS first line in RA”	09/01/17

Faculty Activities

PRESENTATIONS/POSTERS/ABSTRACTS

Faculty Name(s)	Scholarly Project Title
Sharer, R.	Workshop Presentation: Sharer, R. "Statistical Process Control." ResQIPS, HonorHealth, Scottsdale AZ (2018, May 30).
Lin, C.	Presentation and mentor for PGY3 Dermatology Resident in poster submission and presentation: Mullens D, Estrada S, Barr J, Egnatios GL, Lin C, Averitte R. "A case of perforating granuloma annulare", University of Arizona Academic Excellence Day, May 2018; Phoenix, AZ. (2018, May 2)
Markus, A.	Mentored PGY1 Daniel Davis with abstract submission.: "Mildly-hyperglycemic Diabetic Ketoacidosis Associated with Canagliflozin After Roux-En-Y Gastric Bypass Surgery". ACP Chapter Meeting- AZ (2017 Oct 21)
Markus A.	Plenary Session: Cattelino A, Markus A. "Anxiety and Insomnia in Primary Care". ACP Chapter Meeting- AZ (2017 Oct 21)
Markus A.	Mentored PGY2 Alexis MacDonald with abstract submission. "Recurrent Neck Swelling Leads to Spontaneous Chylothorax." ACP Chapter Meeting AZ (2017, Oct 20)
Abarikwu, C and Holdsworth,E.	Workshop Presentation: Abarikwu C and Holdsworth E "ABIM SEP Module on Internal Medicine". ACP-Arizona Chapter Scientific Meeting, Tempe, AZ (2017 Oct 20)
Markus A.	Workshop Presentation: Markus A, Donato A, and Lloyd B. "Using the Multiple Mini-Interview to Get the Applicants You Want: Logistics and First Steps". National AAIM Skills Conference. (2017 Oct 20)
Schroeder L	Mentored PGY2 Benjamin Lawson Mycobacterium Fortuitum as a rare etiology of red breast syndrome: a case report and review of literature." Global Summit on Tuberculosis, Philadelphia. PA (2017, Sept 20)
Markus, A.; Evans, M.	Mentored PGY1 Rangashree Varadarajan, MD with abstract submission: "Implementation of Patient-Centered Structured Interdisciplinary Bedside Rounds (PC-SIBR)." AAIM National Meeting, Baltimore, MD (2017 Mar 20)
Sharer, R.	Poster presentation: Sharer R. "Glycemic Control Transformation at Phoenix VAHCS: A QI Initiative.", IHI (2016 Dec).
Sharer, R.	Poster Presentation: "Applying the ARIADNE Serious Illness Script to Veterans in a VA Academic Patient Aligned Care Team Residency Clinic" ACP Arizona Chapter Scientific Meeting, Tempe, AZ (2016 Nov 4-6)
Sharer, R.	Poster presentation: Sharer R. "Standardizing and Improving Glycemic Control at Phoenix VA Healthcare System" ACP Arizona Chapter Scientific Meeting, Tempe, AZ (2016 Nov 4-6).
Markus, A.	Mentored PGY1 Ben Lawson, MD abstract submission: "Pegylated interferon alpha 2b (PEG): a potential rare cause of intermittent neurological symptoms." ACP Arizona Chapter Scientific Meeting, Tempe, AZ (2016 Nov 4-6).
Berkowitz, J.; Curley, B.	Mentored PGY1 Rangashree Varadarajan, MD abstract submission: "Cyclophosphamide-induced acute hyponatremic encephalopathy in patient with breast cancer: a case report." ACP Arizona Chapter Scientific Meeting, Tempe, AZ (2016 Nov 4-6).
Markus, A.	Mentored PGY1 Harshad Chaudhari, MD abstract submission: "It's not a thrombus: primary cardiac rhabdomyosarcoma of the mitral valve with a satellite lesion in the left atrium." ACP Arizona Chapter Scientific Meeting, Tempe, AZ (2016 Nov 4-6).
Markus, A.; Schroeder, L.	Mentored MS IV Tabarik Al-Abbadi abstract submission: "A rare cause of fever, chills, myalgias and diarrhea in an immunocompetent host." ACP Arizona Chapter Scientific Meeting, Tempe, AZ (2016 Nov 4-6).
Curley, B.	Presentation: "Updates in Treatment and Survival of Breast Cancer." HonorHealth Breast Symposium, Scottsdale, AZ (2016 Sep).
Curley, B.	Presentation: "Clinical Hematology & Oncology." Midwestern University MS3 Students. (2016 Aug).
Curley, B.	Presentation: "An Update in Oncology & Malignant Hematology for the Primary Care Physician." 94th Annual Convention of the Arizona Osteopathic Medical Association. (2016 May).
Curley, B.	Presentation: "Therapy Dogs." 94th Annual Convention of the Arizona Osteopathic Medical Association. (2016 May).
Campbell, C.	Presentation: "You and Your Sugar" Lecture 1, 2, and 3. Southeast Valley Patient Conference - Knowledge is Power, Southeast Valley Medical Group (2015).

Campbell, C.	Presentation: "Fight Obesity". Southeast Patient Conference - Knowledge is Power, Southeast Valley Medical Group, (2015).
Curley, B.	Poster presentation: Nair J, Curley B, Fong R, Hwang J, Byrne M. "Quality versus Queasy: trends in the use of antiemetics." ASCO Palliative Care in Oncology Symposium, Boston MA. (2015 Oct 9-10)
Curley, B.	Presentation: "Clinical Hematology & Oncology." Midwestern University MS3 Students. (2015 Aug)
Curley, B.	Presentation: "Cancer: Screening & Treatment Options." Scottsdale Public Library "Ask the Expert" community presentation (2015 Mar)
Ertz-Archambault, N.	Presentation: "Gemcitabine-mediated thrombotic microangiopathy, a rare cause of hemolytic uremic syndrome." Medical Grand Rounds, ACP vignette competition, Mayo Clinic Arizona, Scottsdale, AZ (2015 May 22)
Ertz-Archambault, N.	Presentation: "He who must not be named, Carcinoma of Unknown Primary." Cancer Grand Rounds, Mayo Clinic Arizona, Scottsdale, AZ (2015 Apr 30)
Ertz-Archambault, N.	Poster presentation: Ertz-Archambault N, Kosiorek H, Khera N, Kelemen K. "Cytogenetic evolution and its effect on survival of patients with relapse myeloid neoplasms after allogeneic hematopoietic cell transplantation." Department of Internal Medicine, Mayo Clinic Arizona, Scottsdale, AZ (2015)
Ertz-Archambault, N.	Abstract pending acceptance: Ertz-Archambault N, Qaqish I, Thomas L. "Gemcitabine-mediated thrombotic microangiopathy, a rare cause of atypical hemolytic uremic syndrome." American Society of Nephrology National Conference, Kidney week, San Diego, CA (2015 Nov)
Gupta A.	Presentation: "Interdisciplinary Approach to Medicine." Purdue University, Lafayette, IN (2015 Apr 7)
Curley, B.	Presentation: "Anemia". Scottsdale Healthcare Family Medicine Resident Noon Conference (2014 Oct)
Curley, B.	Presentation: "Sickle Cell & Thalassemia". WVU Internal Medicine Resident Noon Conference (2014 Apr)
Curley, B.	Presentation: "Anemia". WVU Internal Medicine Resident Noon Conference (2014 Jan)
Curley, B.	Poster presentation: Curley A, Hogan D, Curley B, Bencherif B. "The Utility of F-18 Sodium Fluoride PET/CT Imaging: Interesting Case Review." RSNA Annual Meeting, Chicago IL. (2014 Nov 30-Dec 5)
Curley, B.	Poster presentation: Bernens J, Hartman K, Curley B, Rogers J, Wen S, Abraham J, Newton M. "Assessing the Impact of a Targeted Electronic Medical Record Intervention on Growth Factor Usage in Cancer Patients." ASCO Quality Care Symposium, Boston MA (2014 Oct 17-18)
Curley, B.	Poster presentation: Curley B, Shah S, Wen S, Almubarak M, Craig M, Newton M. "Implementation of a Written Chemotherapy Consent Form with Explicit Goals of Treatment in a University Center." ASCO Annual Meeting, Chicago, IL (2014 May 30-Jun 3)
Curley, B.	Abstract: Shah N, Khimani F, Curley B, Newton M, Hogan T, Wen S, Hu Y, Monga M. "Metformin Use and Survival in Diabetic Patients with Renal Cell Carcinoma (RCC)." ASCO Annual Meeting, Chicago, IL (2014 May 30-Jun 3)
Curley, B.	Abstract: Nagaiah G, Curley B, Truong Q, Khimani F, Provenzano A, Wen S, Zinn Z, Kurian S, Auber M, Almubarak M, Monga M, Remick S. "1% Topical Pimecrolimus Cream for the Prevention of Rash Associated with the use of the EGFR Antagonist Cetuximab." ASCO Annual Meeting, Chicago, IL (2014 May 30-Jun 3)
Curley, B.	Abstract: Curley A, Curley B, Bencherif B. "Role of PET/CT Imaging in Multiple Myeloma: Correlation with MRI and Skeletal Radiographs." American Roentgen Ray Society, San Diego, CA (2014 May 4-9)
Curley, B.	Poster presentation: Khimani F, Shah N, Curley B, Newton M, Hogan T, Monga M. "Metformin Use and Renal Cell Cancer Outcomes Among Patients with Diabetes." ASCO GU Symposium, San Francisco, CA (2014 Jan 31-Feb 1)
Ertz-Archambault, N.	Presentation: "Fever of Unknown Origin: A Case of Hepatosplenic T-Cell Lymphoma." Cancer Grand Rounds, Mayo Clinic Arizona, Scottsdale, AZ (2014 Aug 28)
Ertz-Archambault, N.	Poster Presentation: Ertz N, Van Gompel J, Money S, Hoxworth J, Kling J, Shamoun F. "What Happens in Vagus: A Case of Post-Prandial Syncope." Society of Vascular Medicine National Conference La Jolla CA (2014 Jul)
Gupta A.	Presentation: "Pulmonary Hypertension." Indiana University Grand Rounds, Bloomington, IN (2014 Jul 30)
Lin, C.	Poster Presentation: Collins, J., Duff, M., Barr, J., Averitte Jr., R., & Lin, C. "Elephantiasis Nostras Verrucosa." AOCD Annual Meeting. Seattle WA. (2014 Oct 26-28)
Lin, C	Online Case Presentation: "Lesions on Bilateral Legs" Jeffrey Collins, BS, Michelle Duff, DO, Jason Barr, DO, Richard L. Averitte Jr., MD, Christine C. Lin, MD, Dermatology Grand Rounds, American Osteopathic College of Dermatology, submitted August 14, 2014.

MacGarvey, C	Poster presentation: "A Delayed Diagnosis of Disseminated Histoplasmosis in Arizona." American College of Physicians, Tempe AZ (2014 October)
MacGarvey, C	Poster presentation: "First Kidney Allograft Mismatch and Survival in American Indians" University of AZ Research Symposium (2014, Mar)
Seth, H.	Poster presentation: "Beware the Hanta Virus." American Thoracic Society National Conference, San Diego, CA (2014 May)
Curley, B.	Poster presentation: Khimani F, Curley B, Almubarak M. "Survey of Patients Referred to a University Cancer Center for Benign Hematology: Quality Measures and Patient Understanding." American Society of Hematology (ASH) Annual Meeting and Exposition, New Orleans, LA (2013 Dec 7-10)
Curley, B.	Poster presentation: Curley B, Khimani F, Moss A. "Physician Orders for Scope of Treatment (POST) Forms in Metastatic Cancer Patients- A 3-Year Single University Institution Retrospective Review." ASCO Quality Care Symposium, San Diego, CA (2013 Nov 1-2)
Curley, B.	Poster presentation: Curley B, Thomas R, Wen A, Zhang J, Abraham J, Moss A. "Palliative Care Training: A National Survey of U.S. Hematology/Oncology Fellows." ASCO Quality Care Symposium, San Diego, CA (2013 Nov 1-2)
Curley, B.	Poster presentation: Truong Q, Shah N, Knestrick M, Curley B, Hu Y, Craig M, Hamadani M. "Limited Utility of Surveillance Imaging for Detection of Relapse in Non-Hodgkin Lymphoma." ASCO Annual Meeting, Chicago, IL (2013 May 31-Jun 4)
Curley, B.	Poster presentation: Rauenzahn S, Armstrong C, Curley B, Sofka S, Craig M. "Acute Myeloid Leukemia Mimicking Acute Appendicitis." ACP Internal Medicine, San Francisco, CA (2013 Apr 11-13)
Ertz-Archambault, N.	Poster Presentation: Ertz N, Van Gompel J, Money S, Hoxworth J, Kling J, Shamoun F. "What Happens in Vagus: A Case of Post-Prandial Syncope." American College of Physicians, Local Chapter, Tucson, AZ (2013 Nov)
Ronan, B.	Poster presentation: "Use of video-assisted thorascoscopy for internal mammary node dissection of metastatic breast cancer." Southwestern Surgical Congress (2013 Mar)
Ronan, B.	Presentation: "Serologic testing for coccidioidomycosis is of limited clinical benefit in a population with solitary pulmonary nodules and high risk for lung cancer." American Thoracic Society International Conference (2013 May)
Seth, H.	Presentation: "Persistent Pleural Effusions in Systemic AL Amyloidosis." American Thoracic Society National Conference, Philadelphia, PA (2013 May)
Shriki, J.	Lectured: "Emergency Ultrasound Course", Scottsdale Healthcare (2012-2014)
Shriki, J.	Lectured: ACOEP "Emergency Ultrasound" Workshop. (2012, 2013 2014)
Shriki, J.	Lectured: "Emergency Ultrasound." National Wilderness Medicine Course. (2012, 2014)
Curley, B.	Poster presentation: Curley B, Truong Q, Curley A, Culp M, Hu Y, Almubarak M. "Patient Understanding and Impression of Hematology/Oncology Fellows." ASCO Quality Care Symposium, San Diego, CA (2012 Nov 30-Dec 1)
Gupta A.	Presentation: Gupta A, Tallavajhula S, Majid R, Castriotta RJ. "Differences in Circulation Time in Patients with Cheyne-Stokes Respiration." Sleep 2012 Conference, Boston, MA. (2012)
Gupta A.	Presentation: "Narcolepsy and Cataplexy in Pregnancy." City-Wide Sleep Conference, Houston, TX (2012 Apr)
Reuss, C.	Poster Presentation: "Cardiac Issues and Pregnancy", Scottsdale Healthcare Perinatal Symposium, Scottsdale, AZ (2012 May)
Roque, P	Poster presentation: "Utility of Blood Cultures for Discharged Patients in the Emergency Department" ACEP Seattle WA (2013 Oct)
Roque, P.	Poster presentation: "Implementing a Diversion Clinic to Treat Lower-Acuity and Provide Follow up Care" ACEP Seattle WA (2013 Oct)
Shah, N.	Presentation: "Pulmonary Grand Rounds: Acute Exacerbation of Interstitial Lung Disease (2012).
Shriki, J.	Lectured: "Emergency Ultrasound" Continuing Medical Education. Scottsdale Emergency Associates. (2012)
Shriki, J.	Lectured: "Emergency Nursing Ultrasound Education". Department of Emergency Medicine. Scottsdale Healthcare – Osborn. (2012)
Syoufi, I.	Presentation: Syoufi I, Yassine H. "Hypobetalipoproteinemia as unrecognized cause of nonalcoholic steatohepatitis." Endocrine Society Meeting (2012)
Talluri, S.	Poster Presentation: "Characteristics of Colorectal Cancer in the Young in the United States". ACG Annual Scientific Meeting, Las Vegas NV (2012, Oct)
Talluri, S.	Poster Presentation: "A Population-Based Survey of Celiac Disease in the United States" National Conference on Health Statistics Washington DC (2012 Aug)
Shah, N.	Abstract Submission: Zamanian, R, Chung L, Patel, N (2012) Clinical Perspective on Impact of Autoimmunity in idiopathic Pulmonary Arterial Hypertension."

Sharer, R.	Poster Presentation: Sharer, R. "Time Trends in accidental Drug Overdose related deaths." Tempe AZ (2012, May)
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PROFESSIONAL ACTIVITIES/COMMITTEES

Faculty Name(s)	Scholarly Activity
Evans, M.	HonorHealth Scottsdale Thompson Peak Medical Center ResQIPS Subcommittee Chair (Present) Medicine & Family Medicine Committee 2015-current MSIII Clerkship Director 2015
Markus, A.	HonorHealth Academic Affairs Health Information Technology Subcommittee- 2017-present
Markus, A.	HonorHealth GMEC Student Subcommittee Chair- 2015-2017.
Evans, M.	HonorHealth Scottsdale Thompson Peak Medical Center Clinical Competency Committee-2016-
Holdsworth, E.	Clinical Competency Committee, HonorHealth Thompson Peak Internal Medicine Residency Program - 2016-Present
Holdsworth, E.	Continuing Medical Education Committee, HonorHealth Thompson Peak Medical Center - 2016-Present
Berkowitz, J.	Association of Program Directors in Internal Medicine (2016-Present)
Buresh, A.	American Society of Clinical Oncology (Present)
Buresh, A.	American Society of Hematology (Present)
Buresh, A.	Arizona State Physicians Association (Present)
Campbell, C.	Arizona Osteopathic Association (2016-Present)
Candipan, R.	American College of Cardiology (Present)
Candipan, R.	Society for Cardiac Angiography and Interventions (Present)
Curley, B.	American Association of Cancer Research (Present)
Curley, B.	American Society of Clinical Oncology (Present)
Curley, B.	American Osteopathic Association (Present)
Escarzaga, M.	American College of Cardiology (Present)
Escarzaga, M.	American Society of Echocardiography (Present)
Evans, M.	Committee service (Medical Executive, Family Medicine) and MS3 Clerkship Director, HonorHealth Scottsdale Thompson Peak Medical Center, Scottsdale, AZ (Present)
Gill, A.	American Medical Association (Present)
Gill, A.	American College of Physicians (Present)
Holdsworth, E.	American Medical Association (Present)
Kunkle R.	American Osteopathic Medical Association (Present)
Kunkle, R.	American College of Osteopathic Internists (Present)
Kunkle, R.	American Osteopathic Association (Present)
Kunkle, R.	American Academy of Hospice and Palliative Medicine (Present)
Kunkle, R.	Palliative Care State Task Force (Present)
Lin, C	American Academy of Dermatology (2002-present)
Lin, C.	American Society of Dermatologic Surgery (2005- present)
Lin, C.	American Society of Mohs Surgery (2002- present)
Manning, M.	American Academy of Allergy, Asthma and Immunology (Present)
Manning, M.	Western Society of Allergy, Asthma, and Immunology (Present)
Manning, M.	American Thoracic Society (Present)
Matta, G.	American Association of Clinical Endocrinologists (Fellow) (Present)
Matta, G.	American College of Endocrinology (Fellow) (Present)
Matta, G.	American Diabetes Association (Present)
Moschonas, C.	American College of Physicians (Present)
Norquist, C	American Academy of Emergency Physicians (Present)
Norquist, C	American College of Emergency Physicians (Present)
Petrides, S.	American Society of Nephrology (Present)
Petrides, S.	American College of Physicians (Present)
Petrides, S.	Alpha Omega Alpha Medical Honor Society (Present)
Petrides, S.	Medical Executive Committee, Scottsdale Healthcare Shea (Present)
Petrides, S.	Clinical Integration Steering Committee, Scottsdale Healthcare (Present)
Petrides, S.	Department of Medicine Committee, Scottsdale Healthcare Shea (Present)
Petrides, S.	Ethics Committee, Banner Good Samaritan Medical Center (Present)

Seth, H.	American Thoracic Society (Present)
Seth, H.	Arizona Thoracic Society (Present)
Seth, H.	American College of Chest Physicians (Present)
Seth, H.	Society of Critical Care Medicine (Present)
Setty, S.	American College of Physicians (Present)
Setty, S.	American Thoracic Society (Present)
Shah, N.	American College of Chest Physicians (Present)
Shah, N.	American Thoracic Society (Present)
Shah, N.	American College of Physicians (Present)
Shah, N.	Arizona Medical Assn Member (Present)
Sharer, R.	American College of Physicians: Advocates for Internal Medicine Network (Present)
Sharer, R.	Arizona Medical Association (Present)
Sharer, R.	American Medical Association (Present)
Shah, N.	Primary Investigator: Evaluation of patients enrolled in the Stanford Wall Center Pulmonary Hypertension Database to examine the role of autoimmunity as an independent risk factor in PAH (2011-17).
Berkowitz, J.	HonorHealth Medical Group Alignment Committee Member (2015-Present)
Curley, B.	Arizona Osteopathic Medical Association New Physician Committee (2015-Present)
Curley, B.	Scottsdale Healthcare Breast Tumor Site Strategy Group (2015-Present)
Evans, M.	Committee service (Credentials, Medicine, Critical Care, and Utilization Review co-chair 2012-2013), HonorHealth John C. Lincoln Medical Center, Phoenix, AZ (2007-2015)
Evans, M.	HonorHealth Scottsdale Thompson Peak Medical Center Medicine & Family Medicine Committee 2015-current
Evans, M.	HonorHealth Scottsdale Thompson Peak Medical Center Medical Executive Committee 2015-current
Evans, M.	HonorHealth Scottsdale Thompson Peak Medical Center MSIII Clerkship Director 2015
Moschonas, C.	American Academy of Neurology committees (Medical Economics Management 2009 – Present, Payment Policy 2009 – 2015, Conference subcmte 2015-Present)
Markus, A.	University of Arizona College of Medicine-Phoenix Admissions Committee- 2015-Present
Curley, B.	National Board of Osteopathic Medical Examiners: Clinical Department of Internal Medicine, Geriatric Medicine & Dermatology (2014-Present)
Markus, A.	American College Health Association- Chair-Elect Administration Section 2014-2015
Curley, B.	West Virginia University Cancer Review Committee (2013-2014)
Curley, B.	Founder, “Therapy Dogs Against Cancer” pins fundraiser for Mary Babb Randolph Cancer Center Comfort Fund (2011-2014)
Curley, B.	Pet Therapy Volunteer, Phoenix Children’s Hospital (2014-Present)
Curley, B.	Pet Therapy Volunteer, West Virginia University Hospitals (2012-2014)
Ertz-Archambault, N.	Volunteer provider, Circle the City, Respite medical care for homeless (2014-Present)
Evans, M.	Committee service (Leadership, Medicine, Operations, Finance) and Managing Partner; Affiliated Hospitalists, PLC (2014)
Gupta A.	Critical Care Clinical Clerkship, MS III Medical Students, Indiana University, Bloomington, IN (2014)
Gupta A.	Pulmonary and Critical Care, MS IV Medical Student Indiana University, Bloomington, IN (2014)
Setty, S.	Medical Tent Volunteer, P.F. Chang's Rock 'N Roll Marathon, Phoenix, AZ (2011-2014)
Berkowitz, J.	HonorHealth Physician Network Medical Group Executive Committee Member (2013-Present)
Curley, B.	Team Leader, American Society of Clinical Oncology (ASCO) Quality Training Program. (2013)
Curley, B.	West Virginia Rural Health Conference Scholarship (2013)
Curley, B.	Mid-Atlantic Region III Federally Funded Hemophilia Treatment Center Scholarship (2013)
Curley, B.	Pet Therapy Volunteer, Hospital of the University of Pennsylvania (2011-2013)
Berkowitz, J.	American Academy of Pediatrics Fellow (2012-Present)
Curley, B.	Hemostasis & Thrombosis Research Society Coagulation Disorder Workshop Scholarship (2012)
Curley, B.	Peer Reviewer, "Cancer" journal (2012-Present)
Curley, B.	Peer Reviewer, Journal of Oncology Practice (2012-Present)
Gupta A.	American College of Chest Physicians (2008-2012)
Gupta A.	American Thoracic Society (2010-2012)
Gupta A.	Indiana State Medical Association (2012-2015)
Howard, P.	Arthritis Foundation, Pacific Region Advisory Board (2012-Present)
Howard, P.	Arthritis Foundation Advocacy and Public Health Committee (2011-2012)

Reuss, C.	Maricopa County Medical Society Board of Directors, Scottsdale Division Chair, Public Health Subcommittee (2011-2012)
Ronan, B.	American Thoracic Society (2011-2012)
Tsai, F.	International medical oncology consultation, Bobst International Center, Memorial Sloan-Kettering Cancer Center, NY (2012)
Tsai, F.	Task Force for Policies Regarding PEG tube and Chemoradiotherapy in Head/Neck Cancer, Memorial Sloan-Kettering Cancer Center, NY (2012)
Tsai, F.	Mentor, Clinical Oncology Open Learning (COOL) Scholars Program, Memorial Sloan-Kettering Cancer Center, NY (2012)
Gupta A.	Peer Reviewer, The Lancet (2011 Jan)
Berkowitz, J.	Outpatient attending physician to resident physicians from Internal Medicine/Pediatrics program at Banner Good Samaritan (2010-Present)
Markus, A.	ACHA Bylaws Committee member- 2010-2015
Lin, C.	Principal Investigator. Protocol A-101-WART-202 at Affiliated Dermatology in Scottsdale, AZ;. A Randomized, Double-Blind, Vehicle-Controlled, Parallel Group Study of A-101 Topical Solution Applied Once a Week in Subjects. August 2017-Present.
Lin, C.	Principal Investigator. ESPRIT Registry. A 10-Year Post-Marketing Observational Registry of Humira in Adult Patients with Chronic Plaque Psoriasis. January 2009 –August 2016; Protocol PIO-023 at Affiliated Dermatology in Scottsdale, AZ
Lin, C.	Principal Investigator. A Multicenter Open Registry of Patients with Psoriasis Who Are Candidates for Systemic Therapy Including Biologics. Patients enrolled. August 2008 -Present. Protocol C0168Z03 at Affiliated Dermatology in Scottsdale, AZ.
Reuss, C.	American College of Cardiology (Fellow) (2008-Present)
Cantillo, M.	Cardiac Quality Improvement Committee, St Joseph's Hospital, Phoenix, AZ (2007-Present)
Cantillo, M.	Infection Control Committee, St Joseph's Hospital, Phoenix, AZ (2007-Present)
Markus, A.	Arizona State University- Bio-scientific Institutional Review Board- March 2007-Present
Markus, A.	American College Health Association- Co-Chair Benchmarking committee- 2007-2014.
Markus, A.	Arizona State University Pandemic Planning Group- Co-chair Jan 2007-2015
Markus, A.	ACP National Meeting Abstract Reviewer 2007-present
Reuss, C.	American Society of Echocardiography (Fellow) (2007-Present)
Reuss, C.	Arizona Society of Echocardiography (Member) (2006-Present)
Tsai, F.	American Society of Clinical Oncology (2006-Present)
Berkowitz, J.	American Academy of Pediatrics (2005-Present)
Berkowitz, J.	American College of Physicians (2005-Present)
Campbell, C.	American Academy of Pediatrics (2005-Present)
Campbell, C.	American College of Physicians (2005-Present)
Cantillo, M.	American College of Physicians (2004-Present)
Reuss, C.	American College of Cardiology (Associate Member) and Women in Cardiology Section (Member) (2004-Present)
Reuss, C.	American Heart Association (Member) (2004-Present)
Ross, M.	Society for Cardiac Angiography and Intervention (Fellow) (2004-Present)
Cho, Y.	American College of Cardiology (2003-Present)
Petrides, S.	Director, National Kidney Foundation of Arizona (2002-Present)
Ross, M.	American Heart Association (2002-Present)
Evans, M.	Grant Program from Women's Research Center, TTUHSC: Medical and Pharmacy student's knowledge of Women's Health Issues (2001-Present)
Matta, G.	NEI capstone clinical supervisor for endocrinology, Good Samaritan Medical Center/VA Endocrine Fellowship Program (2001-Present)
Reuss, C.	Arizona Medical Association (ArMA) (2001-Present)
Reuss, C.	American College of Physicians (2000-Present)
Reuss, C.	American Board of Internal Medicine (2000-Present)
Ross, M.	American College of Cardiology (Fellow) (2000-Present)
Abarikwu, C.	Member, American College of Physicians (1999-Present)
Ross, M.	American College of Physicians (1997-Present)
Ross, M.	American Medical Association (1997-Present)
Abarikwu, C.	Member, Arizona Medical Association (1995-Present)
Abarikwu, C.	Member, American Medical Association (1993-Present)
Burstein, D.	American College of Physicians (1993-Present)
Burstein, D.	National Kidney Foundation (1993-Present)
Burstein, D.	National Kidney Foundation of Illinois, Medical Advisory Board member (1993-Present)

Burstein, D.	American Society of Nephrology (1993-Present)
Burstein, D.	International Society of Nephrology (1993-Present)
Burstein, D.	American Society of Hypertension (1993-Present)
Markus, A.	American College of Physicians - 1993-present
Ross, M.	Massachusetts Medical Society (1993-Present)
Howard, P.	Arthritis Foundation, Southwest Chapter (1985-Present)
Howard, P.	Phoenix Rheumatology Association (1984-Present)
Howard, P.	American College of Rheumatology (Fellow) (1983-Present)
Howard, P.	American College of Physicians (Master 2014, Member 1982-Present)

PUBLISHED CHAPTER OR TEXTBOOK

Faculty Name(s)	Scholarly Project Title
Parker, S	Parker, S and Parker S. .Paleobetic Diet: Defeat Diabetes and Prediabetes with Paleolithic Eating. pxHealth, 2015.
Curley, B.	Curley B, Hazard H, Jacobson G, Abraham J. "Breast Cancer." In: Abraham J, et al.,eds. The Bethesda Handbook of Clinical Oncology. 4th edition. Philadelphia, PA: Lippincott Williams & Wilkins, 2014.
Curley, B.	Curley B, Newton M, Abraham J. "Monoclonal Antibodies Targeting VEGF/VEGFR and Clinical Outcomes in Cancer Treatment." In: Monoclonal Antibodies in Oncology. Future Medicine, 2013.
Howard, P.	"Complementary and Alternative Therapies for Sjogren's Syndrome." In: Sjogren's Book 4th Ed, Wallace, D (ed.). Oxford Press, 2012.
Yassin, H.	Kumar S, Yassin H, Esan O, Budzikowski A, Kassotis J. "Mechanism and Management of Pacing Lead Related Cardiac Perforation." In: Current Issues and Recent Advances in Pacemaker Therapy, InTech, 2012.

PUBLISHED JOURNAL ARTICLE/ABSTRACT

Faculty Name(s)	Scholarly Project Title
Lin, C.	Submitted Manuscript: Lin, C. "A Case of African Tick Bite Fever" BMJ Case Reports, 2018.
Markus A.	Raghu, T.S., Yiannias, J, Sharma, N, and Markus A. "Willingness to Pay for Teledermoscopy Services at a University Health Center" Journal of Patient Experience. 2018 Jan 17 doi:10.1177/2374373517748657.
McGarvey, C.	Williams, R. C., Opelz, G., Weil, E. J., McGarvey, C. J., & Chakkerla, H. A. (2017). The Risk of Transplant Failure With HLA Mismatch in First Adult Kidney Allografts 2: Living Donors, Summary, Guide. Transplantation Direct. doi:10.1097/TXD.0000000000000664
Sharer, R.	Sharer, R. "Glycemic Control Transformation at Phoenix VAHCS: A QI Initiative" Lessons from Ten Exemplary Student-Led QI Projects IHI Open School Blog http://www.ihl.org/education/ihlopenschool/blogs .
Courtney, C.	Courtney Christopher S, Mastering Forearm fractures. Emergency Physicians Monthly November 2016
Courtney, C.	Courtney Christopher and Kirsch, Thomas, Orthopedic Knowledge and Need in the Provincial Philippines: Pilot Study of a Population Based Survey, ACEP research Forum October 2016 (abstract)
Courtney, C.	Courtney Christopher S, All in The Wrist: management of acute wrist injuries. Emergency Physicians Monthly, April 2016
Ertz-Archambault, N.	Ertz-Archambault NM, Van Gompel JJ, Neff BA, Kasperbauer JL, Shamoun FE. "What Happens in Vagus: A Case of Postprandial Syncope and Literature review." Journal of Surgical Case Reports. 2016 Feb 7; 2016(2). pii: rjw012.
McGarvey, C.	Williams, R. C., Opelz, G., McGarvey, C. J., Weil, E. J., & Chakkerla, H. A. (2016). The Risk of Transplant Failure With HLA Mismatch in First Adult Kidney Allografts From Deceased Donors. Transplantation, 100(5), 1094-1102. doi:10.1097/tp.0000000000001115

Schroeder, L.	Cantey PT, Weeks J, Edwards M, Rao S, Ostovar GA, Dehority W, Alzona M, Swoboda S, Christiaens B, Ballan W, Hartley J, Terranella A, Weatherhead J, Dunn JJ, Marx DP, Hicks MJ, Rauch RA, Smith C, Dishop MK, Handler MH, Dudley RW, Chundu K, Hobohm D, Feiz-Erfan I, Hakes J, Berry RS, Stepensaski S, Greenfield B, Shroeder L, Bishop H, de Almeida M, Mathison B, Eberhard M. "The emergence of zoonotic Onchocerca lupi infection in the United States – A case-series" Clin Infect Dis. 2016 Mar 15;62(6):778-83
Courtney, C.	Courtney Christopher S, Management of Metacarpal and Phalangeal Fractures, Emergency Physicians Monthly, January 2016
Curley, B.	Curley B. You've Lived a Good Life. Journal of Clinical Oncology. 2015 Dec 1; 33(34):4118-9.
Curley, B.	Thomas R, Curley B, Wen S, Zhang J, Abraham J, Moss A. Palliative Care Training during Fellowship: A National Survey of US Hematology/Oncology Fellows. Journal of Palliative Medicine. 2015 Sep; 18(9): 747-51.
Curley, B.	Bernens J, Hartman K, Curley B, Wen S, Rogers J, Abraham J, Newton M. Assessing the Impact of a Targeted Electronic Medical Record Intervention on Growth Factor Usage in Cancer Patients. Journal of Community and Supportive Oncology. 2015 Mar; 13(3):113-6.
Courtney, C.	Courtney Christopher S, Management of acute Humeral shaft fractures. Emergency Physicians Monthly, July 2015
Moschonas, C.	Fife TD, Moawad H, Moschonas C, Shepard K, Hammond N. "Clinical perspectives on medical marijuana (cannabis) for neurologic disorders." Neurol Clin Pract. 2015 Aug;5(4):344-351.
Courtney, C.	Courtney Christopher S, Distal Radius Fractures, Reducing the Confusion. Emergency Physicians Monthly, February 2015
Curley, B.	Khimani F, Curley B, Almubarak M. Survey of Patients Referred to a University Cancer Center for Benign Hematology: Quality Measures and Patient Understanding. Journal of Oncology Practice. 2014 Nov 18.
Curley, B.	Curley B, Thomas R, Curley A, Truong Q, Culp M, Hu Y, Almubarak M. Patient Understanding and Impression of Hematology/Oncology Fellows. The American Journal of the Medical Sciences. 2014 Sep; 348(3) 262-264.
Curley, B.	Truong Q, Shah N, Knestrick M, Curley B, Hu Y, Craig M, Hamadani M. Limited Utility of Surveillance Imaging for Detecting Disease Relapse in Non-Hodgkin Lymphoma Patients in First Complete Remission. Clinical Lymphoma, Myeloma & Leukemia. 2014 Feb; 14(1) 50-55.
Ronan, B.	Ronan, B et al. "Fulminant Hepatitis due to Human Adenovirus" Infection 2014 Feb 42(1) 105 - 11.
Shriki, J.	Shriki, J. "Ultrasound physics." Critical Care Clinics. 2014 Jan;30(1):1-24.
Roque, P	Roque, PJ, Barr L, Hatch N, Wu TS. "Ocular Ultrasound". Critical Care Clinics 2014 Apr 30 (2) 227-41.
Roque, P	Barr L, Roque, PJ, Hatch N, Wu TS. "Basic Ultrasound Techniques". Critical Care Clinics 2014 Apr 30 (2) 275-304.
Roque, P	Hatch N, Wu TS, Barr,L, Roque PJ. "Advanced Ultrasound Techniques". Critical Care Clinics 2014 Apr 30 (2) 305-29.
Roque, P	Levine,M, Wyler B, Lovecchio,F, Roque P, Raja AS. Risk of intracranial injury after minor head trauma in patients with pre-injury use of clopidogrel. Am J Emerg Med 2014 Jan 32(1) 71-4.
Curley, B.	Rauenzahn S, Armstrong C, Curley B, Sofka S, Craig M. Acute Myeloid Leukemia Presenting as Acute Appendicitis. Case Reports in Hematology, Epub 2013 June 11.
Seth, H.	Seth HD, Sultan S, Gotfried MH. "Role of Indacaterol, a once-daily bronchodilator, in chronic obstructive pulmonary disease." J Thoracic Dis. 2013 Dec; 5 (6): 806-814.
Curley, B.	Curley B. Canine Caring: "A Therapy Dog for Cancer Patients. Oncology Fellows", Volume 4, Issue 4; December 2012. p. 2-6.
Talluri, S.	Talluri J, Besur,S, Talluri SK. "Abdominal Pain and Milky White Serum". QJM 2013 Jun 106(6) 593-4.
Curley, B.	Curley B. Don't Quit. Oncology Fellows, Volume 4, Issue 3; September 2012. p. 17-18.
Curley, B.	Curley B. One Process, Two Perspectives. Community Oncology, Volume 9, Issue 5; 2012, p 174.
Gupta A.	Gupta A, Lodato RF. "Empyema Necessitatis due to Actinomyces israelii." American Journal of Respiratory and Critical Care Medicine 2012; 185: e16.
Ronan, B.	Ronan BA, Viggiano R, Wesselius L. "Case of the month: could have fooled me!" SWJPCC (2012 Apr)
Ronan, B.	Ronan BA, Viggiano R, Wesselius L. "Case of the month: pulmonary infiltrates- getting to the heart of the problem." SWJPCC (2012 Jul)
Ronan, B.	Ronan BA. "Case of the month: I just can't get the sats up!" SWJPCC (2012 Nov)

Roque, P.	McCarty K, Roque et al. Ventilation rates and tidal volumes during emergency department cardiac resuscitation” Resuscitation 2012 Oct 15 83 e45.
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RESIDENCY GRAND ROUNDS

Faculty Name(s)	Title
Seth	“Mechanical Ventilation” (2018 Jun 8)
Levinthal	“Updates in Gastroenterology” (2018 May 4)
Lin/Mullens	“Complex Inpatient Dermatology Cases” (2018 Apr 13)
Norquist/Bobrow	“The Chronic Pain and Opioid Conundrum” (2018 Mar 2)
Buresh	“Multiple Myeloma Made Simple” (2018 Feb 2)
Syoufi	“Pituitary Tumors” (2018 Jan 19)
Himmelstein/Markus	Visiting Scholar Series: “Single Payor Systems vs Current Healthcare Delivery Systems” (2017 Dec)
Holdsworth	“Diet and Cardiometabolic Disease” (2017 Oct 6)
Howard	“Osteoporosis: it’s not so simple – controversies about assessment and care (2017 Nov 3)
Lancaster	“An Evidence-Based Approach to the Pre-Participation Physical Exam” (2017 Sept 22)
Storch	“Coronary CTA” (2017 Jul 28)

RESIDENCY GREAT DEBATES

Faculty Name(s)	Title
Markus, A., Berkowitz J.	"When should mammographic screening start, ACS vs USPSTF" (2016 Jul)

RESIDENCY CLINICAL NOON CONFERENCE

Faculty Name(s)	Title
Darby-Stewart	Transgender Healthcare” (Jun 2018)
Mustafa	“Nephrology”_ (2018 May)
Educational Activity	ResQIPS - offsite__ (2018 May)
Wareing	“Brief Overview of Aortic Disease” (2018 May)
Peters	“Practical Issues in Rheumatology” (2018 May)
Cohan	“Vasculitis” (2018 May)
Johnson	“Tip of the iceberg on wounds” (2018 May)
Schroeder	“Infectious Disease Questions Pt 2” (2018 May)
Schroeder	“Infectious Disease Questions Pt 1” (2018 May)
Buresh	“Lung Cancer”_ (2018 Apr)
Buresh	“Case Review”__ (2018 Apr)
Lozman	“Pleural Fluid Analysis”__ (2018 Apr)
Seth/Ronan	“Sleep Medicine from 10000 feet” (2018 Apr)
Ruzi	“Sleep Medicine Overview”_ (2018 Apr)
Storch	“Peripheral Vascular Disease” (2018 Apr)
Storch	“Lipid Management” (2018 Apr)
Wendt	“Role of Allergy Testing Immunotherapy” (2018 Apr)
Wendt	“Urticaria” (2018 Apr)
Wendt	“Allergic and Non-Allergic Rhinitis”__ (2018 Apr)
Holdsworth	“Board Exam Test Taking Strategy” (2018 Mar)
Holdsworth	“Principles of Quality Improvement” (2018 Mar)
Moschones	“Cardiovascular Disease Part 2” (2018 Mar)
Moschones	“Cardiovascular Disease Part 1” (2018 Mar)
Schroeder	“Infectious Disease ID Pearls” (2018 Mar)
Burstein	“Glomerular Disorders”_ (2018 Mar)
Burstein	“Hypernatremia” (2018 Mar)
Syoufi	“Endocrinology Case of The Week” (2018 Mar)
Borhan	“Urological Consults and Evaluations” (2018 Mar)
Joy	“Wellness and Resiliency” (2018 Mar)
Lam	“Business of Medicine (insurance)” (2018 Mar)
Bharadwa	“Sjogrens Syndrome” (2018 Mar)
Manway	“Common Outpatient Dermatological Cases” (2018 Feb)
Hundley	“C Diff” (2018 Feb)
Alvares-da-Silva	“Alcoholic Hepatitis” (2018 Feb)
Seth and Ronan	“Bronchiectasis” (2018 Feb)
Ronan	“Sarcoidosis”_ (2018 Feb)
Seth and Ronan	“Sepsis”_ (2018 Feb)
Storch	“What Can I Prescribe Safely to Patients?” (2018 Feb)
Markus	“EKG Part 1” (2018 Feb)
Storch	“Mitral Regurgitation” (2018 Jan)
Klaled	“Anti-Arrhythmic Drug” (2018 Jan)
Syoufi	“Insulin Forward Overview” (2018 Jan)
Syoufi	“Intensive Insulin Therapy” (2018 Jan)
Matta	“Osteoporosis” (2018 Jan)
Schroeder	“Infectious Disease ID Questions Pt2” (2018 Jan)
Schroeder	“Infectious Disease ID Questions Pt1” (2018 Jan)
Schroeder	“Influenza Complications” (2018 Jan)
Holdsworth	“High Yield Hospital Medicine”_ (2018 Jan)
Lai-Dubes	“Capabilities and Limitations of Chest X-Rays and CTs” (2018 Jan)
Howard	“The Shoulder and Knee Part 1” (2017 Dec)
Levinthal	“Latest News in GI” (2017 Dec)
Levinthal	“Ulcerative Colitis”_ (2017 Dec)
Levinthal	“Acute Hepatitis” (2017 Dec)
Buresh	“Head and Neck Cancer” (2017 Dec)
Buresh	“Breast Cancer Treatment”__ (2017 Dec)

Lin	"Malignant Melanoma" (2017 Nov)
Beshai	"Syncope" (2017 Nov)
McGarvey	"Mindfulness and Wellness" (2017 Nov)
Storch	"Aortic Valve Disease" (2017 Nov)
Holdsworth	"E-M Coding" (2017 Nov)
Lai-Dubes	"Spine" (2017 Nov)
Holdsworth	"Evaluation and Management" (2017 Nov)
Schroeder	"Great Epidemics and Outbreaks Pt 2" (2017 Nov)
Schroeder	"Great Epidemics and Outbreaks Pt 1" (2017 Nov)
Schroeder	"HIV for Primary Care" (2017 Oct)
Peters	"Laboratory Testing in Rheumatology" (2017 Oct)
Howard	"Evaluation and Management of Low Back Pain" (2017 Oct)
Syoufi	"Intensive Insulin Therapy" (2017 Oct)
Matta	"Polycystic Ovary Syndrome" (2017 Oct)
Loerman	"Chest Radiographic Interpretations" (2017 Oct)
Gupta	"Pulmonary Function Tests" (2017 Oct)
Ronan	"Asthma" (2017 Oct)
Storch	"Asymptomatic Arrhythmias" (2017 Oct)
Storch	"Atrial Fibrillation" (2017 Oct)
Gordon	"Melanoma" (2017 Sep)
Buresh	"Colon Cancer" (2017 Sep)
Buresh	"Best Practices in the Treatment of Patients with Multiple Myeloma" (2017 Sep)
DeGarilas	"Acute Urinary Retention" (2017 Sep)
Lai-Dubes	"What Study do I Order?" (2017 Sep)
Pope	"Heartmath Pt2" (2017 Sep)
Pope	"Heartmath Presentation" (2017 Sep)
Santos	"GI Case" (2017 Sep)
Levinthal	"Liver Questions" (2017 Sep)
Moschonas	"Neuroinfectious Disease Part II" (2017 Sep)
Moschonas	"Neuroinfectious Disease Part I" (2017 Sep)
Storch	"Stress Testing" (2017 Aug)
Pope	"Heartmath Part 1" (2017 Aug)
Storch	"Coronary Artery Disease" (2017 Aug)
Howard	"Arthritis from 36,000 ft: An Overview Pt 2" (2017 Aug)
Howard	"Arthritis from 36,000 ft: An Overview Pt 1" (2017 Aug)
Currence	"Palliative Care" (2017 Aug)
Syoufi	"Case Conference - Cushing" (2017 Aug)
Syoufi	"Pheochromocytoma" (2017 Aug)
Syoufi	"Cushing" (2017 Aug)
Holdsworth	"Perioperative Care" (2017 Aug)
Seratta	"Inservice on Swallowing" (2017 Aug)
Holdsworth	"Crosscover Issues #2 Part II" (2017 Aug)
Curley	"Oncologic Emergencies" (2017 Aug)
Grzankowski	"Gynecologic Oncology" (2017 Aug)
Curley	"Oncology Emergencies" (2017 Jul)
Schroeder	"Office Infectious Disease" (2017 Jul)
Schroeder	"Antibiotic Bootcamp" (2017 Jul)
Schroeder	"ID Jeopardy" (2017 Jul)
Donaldson	"Shock" (2017 Jul)
Donaldson	"Mechanical Ventilation" (2017 Jul)
Holdsworth	"Crosscover Issues #2 Part 1" (2017 Jul)
Yassini	"Acute STEMI" (2017 Jul)
Storch	"Normal EKG" (2017 Jul)
Storch	"Chest Pain" (2017 Jul)
Holdsworth	"Improving Notes and Oral Presentations" (2017 Jul)
Holdsworth	"Medical Documentation" (2017 Jul)

APPENDIX A – Descriptions of HonorHealth Library Services Resources

A. Evidence-based medicine

1. The Cochrane Library is a collection of databases that contain high-quality, independent evidence to inform healthcare decision-making. It includes Cochrane Database of Systematic Reviews, Cochrane Central Register of Controlled Trials (CENTRAL), Cochrane Methodology Register (CMR), Database of Abstracts of Reviews of Effects (DARE), Health Technology Assessment Database (HTA), and NHS Economic Evaluation Database (NHSEED).
2. Essential Evidence Plus is a powerful, comprehensive clinical decision support system that integrates information on 9,000 diagnoses into healthcare professionals' clinical workflows. This clinical tool, created by an international team of renowned medical experts, was developed for physicians, nurses, and other healthcare professionals on the front line of patient care. EE+ features over 13,000 topics, guidelines, abstracts, tools, images, and summaries covering the most common conditions, diseases, and procedures clinicians come in contact with every day. Every recommendation carries a strength-of-evidence rating that accurately grades each recommendation's merit on the basis of all of the evidence available in the relevant literature
3. MedCalc 3000 is a collection of over 520 calculators, clinical criteria sets and decision trees that are indispensable to anyone practicing, teaching or studying evidence-based medicine. With every search you perform, STAT!Ref automatically presents links to relevant tools within MedCalc 3000. The complete contents of MedCalc 3000 include: Clinical Criteria Set, Decision Trees, Medical Equations, Unit and Dose Converters, Calculations and Equations by Specialty.
4. UpToDate is an ACCME-accredited evidence-based clinical decision support resource provided for healthcare practitioners to help them make the right decisions at the point of care.
5. FirstConsult (via ClinicalKey) is an authoritative, evidence-based and continuously updated clinical information resource for healthcare professionals. Designed for use at the point-of-care, it provides instant, user-friendly access to the latest information on evaluation, diagnosis, clinical management, prognosis, and prevention. Sections include: Medical Topics comprise clinically compiled information on patient evaluation, diagnosis, treatment, tests, prevention, and much more; Differential Diagnoses present an evaluation of a patient's complaint with interactive access to potential diagnoses by age and prevalence; Procedures provide clear systematic guidance, including videos and medical animations, of procedures to the practice of medicine

B. Journal literature databases

1. The MEDLINE database is the premier biomedical database in the United States. It contains over 23 million references to more than 5,600 journals in life sciences with a concentration on biomedicine generally dating back to about 1949, with some older material. The subject scope of MEDLINE is biomedicine and health, broadly defined to encompass those areas of the life sciences, behavioral sciences, chemical sciences, and bioengineering needed by health professionals and others engaged in basic research and clinical care, public health, health policy development, or related educational activities. Access is provided via 3 different search platforms: Ovid, EBSCO, and National Library of Medicine (PubMed). All HonorHealth journal content is accessible through link resolvers in all 3 search platforms, making it easy for researchers to access full-text articles in real-time.
2. CINAHL (Cumulative Index to Nursing and Allied Health Literature) provides indexing for more than 3,000 journals from the fields of nursing and allied health. The database contains more than 2.6 million records dating back to 1981. Offering complete coverage of English-language nursing journals and publications from the National League for Nursing and the American Nurses' Association, CINAHL covers nursing, biomedicine, health sciences librarianship, alternative/complementary medicine, consumer health and 17 allied health disciplines.
3. Health Business Elite database covers the journal literature concerning the business of health care. It provides full-text coverage of more than 130 well-known administrative journals such as H&HN: Hospitals & Health Networks, Health Management Technology, Modern Healthcare, and many others.

Critical for hospital administrators and managers, this subset of Health Business™ Elite includes publications covering topics such as staffing, health care regulation, health care facilities management, marketing, finance and more.

C. Research/Scholarly Activity and Faculty resources

1. Research instruments (scientific scales, tests & measurements) from a variety of indexes and sources, such as the American Psychological Association, the National Library of Medicine and ETS.
2. Theses & dissertations published by colleges and universities throughout the world (via interlibrary-loan), found in indexes such as ERIC, Networked Digital Library of Theses & Dissertations, OpenTheses.org, Registry of Open Access Repositories (ROAR), and OCLC WorldCat
3. Arizona Health Matters website (state and local public health data)
4. National Guideline Clearinghouse Health Care Quality Tools and National Quality Measures (from the U.S. Agency for Healthcare Research and Quality)
5. TOXNET, a National Library of Medicine database on toxicology, hazardous chemicals, environmental health and toxic releases
6. GreenFILE database of published literature concerning environmental issues

D. Faculty Resources

1. ProceduresConsult (via ClinicalKey) provides over 300 educational videos on procedures in Emergency, Internal Medicine, Anesthesiology, General Surgery, Cardiology and other specialties.
2. Teacher Reference Center, an index of 280 peer-reviewed journals for teachers, covering topics like assessment, best practices, continuing education, and curriculum development

E. Textbooks (electronic & print)

1. ClinicalKey contains over 1100 medical and nursing e-textbooks and manuals.
2. STATRef includes over 140 medical and nursing e-textbooks.
3. Ovid Books provides a small collection of LWW medical & nursing reference e-books
4. HonorHealth Library Services provides immediate, direct access to over 1,900 clinical texts, 240 leadership & management books, and over 1,800 consumer health & wellness books. These collections cover a wide range of specialty and subject areas (see below). Library Services also provides rapid interlibrary loan (ILL) services for any texts we do not own in our collection. Typical response time on ILL requests is 2 business days.
 - a. Primary care/Family Medicine/Internal Medicine
 - b. Obstetrics & Gynecology
 - c. Surgery & Perioperative Care
 - d. Oncology
 - e. Subspecialties including Gastroenterology, Neurology, Orthopedics, Heart & Vascular, Dermatology, Psychiatry, Pediatrics, and Geriatrics
 - f. Health business, management & leadership
 - g. Business leadership & management
 - h. Professional development & certification (“test prep”) materials
 - i. Various consumer health & wellness and chronic disease management topics, in alignment with SLHN priorities

F. eJournals, Full-text

1. JAMA and JAMA Archives, Lancet, NEJM available electronically
2. Thousands of journal titles available through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections (title lists available upon request).

G. Drug information

1. Micromedex provides information and complete monographs on thousands of drugs. It includes toxicity information, therapeutic doses, pill identification, and dosing calculators. The complete drug monographs in this resource are often considered to be the “gold standard”.
2. Lexi-Comp, available through UpToDate, is another drug information product, with features including aural pronunciation of the drugs’ names and chemotherapy regimes.
3. FDA Electronic Orange Book (consumer information on generic drugs)

H. Herbals & Supplements

1. Alternative Medicine, available through Micromedex suite, is easy to access and search. Designed for healthcare professionals, Alternative Medicine is a reliable, comprehensive source of referenced, scientifically sound information about complementary and alternative medicine (CAM) therapies and practices.
 2. HerbMed (from the Alternative Medicine Foundation)
 3. National Center for Complementary & Alternative Medicine (NCCAM) resources (including clinical practice guidelines and literature reviews for health care professionals)
 4. Dietary Supplement Label Database (from the National Library of Medicine)
- I. Patient Education/Consumer Health/Literacy resources
1. MEDLINEplus (Consumer health info from the National Library of Medicine)
 2. CareNotes patient education resources (via Micromedex suite)
 3. Basics & Beyond series (via UptoDate)
 4. ExitCare (via ClinicalKey)
 5. A wide variety of health literacy toolkits and resources, including resources for Ask Me 3 campaign and Teach Back methodology.

APPENDIX B – Conferences & Lectures Master Schedule



Internal Medicine Residency Program HonorHealth Scottsdale Thompson Peak Medical Center Conferences and Lectures

TIME	Monday	Tuesday	Wednesday	Thursday	Friday
7:00 – 8:00 am	Morning Report+	Morning Report+	Morning Report+	Morning Report+	Morning Report+
12:10 – 1:00 pm	Core lecture Series++	Journal Club*++	Core Lecture Series++	Core Lecture Series++	Grand Rounds*++
		The Great Debates*			
		Work/Life Balance & the Art of Medicine*			Healthcare Delivery Conference* (PGY1)
7:00 – 8:00 am	Ambulatory Core/Case#			Ambulatory Core/Case#	

+ Inpatient, Night Float Residents, Critical Care

++ All Residents (except night float)

* Meets monthly

Ambulatory Residents

APPENDIX C – Core Curriculum Lecture Series

Cardiology

- Acute Coronary Syndrome/Biomarkers
- Acute MI
- Atherosclerosis and CAD
- Arrhythmias: Tachy, Brady and AV Blocks
- Cardiac Physical Exam
- Chest Pain
- Congenital Heart Disease
- Congestive heart failure
- EKG interpretation - series
- Invasive Cardiology Procedures
- Non-invasive cardiac testing and imaging
- Pericardial diseases and Tamponade
- Peripheral vascular disease
- Preoperative Cardiac Evaluation
- SVT and Atrial Fibrillation
- Valvular Heart Disease

Career Management

- Career Development
- Coding
- Medical Economics
- Medical Legal Issues
- Practice Management

Critical Care

- Acid-Base Disorders in the ICU
- Acute Pulmonary Edema
- ARDS
- Delirium & Sedation in the ICU
- DKA
- End of Life Discussions in the ICU
- General approach to overdose and poisoning
- Glycemic control in the ICU
- Hemodynamic Instability
- Hypothermia, hyperthermia
- Mechanical Ventilation
- Respiratory Failure
- Sepsis
- Shock

Emergency Medicine

- Acute abdomen
- Acute back pain
- Acute Chest Pain
- Acute Dyspnea
- Altered Level of Consciousness
- Common Orthopedic Complaints
- Flank Pain and Kidney Stones
- Overdose in the ED
- Trauma and Injuries

Endocrine

- Adrenal Excess including Cushing's, Conn's
- Adrenal Insufficiency
- Disorders of calcium metabolism
- Endocrine emergencies
- Endocrine Malignancies

- Hyperthyroidism
- Hypothyroidism
- Metabolic Syndromes
- Osteoporosis and other Disorders of Bone
- Pituitary/hypothalamus
- Polycystic Ovary Syndrome
- Reproductive Endocrinology
- Solitary Thyroid Nodule
- Vitamin D Deficiency – Update

Gastroenterology

- Abnormal LFT's
- Alcoholic Liver Disease and Cirrhosis
- Acute and Chronic Hepatitis
- Biliary Disorders
- Celiac Disease
- Colorectal Cancers and Screening
- Diverticular Disease
- Drug and Toxin Induced Liver Damage
- Dyspepsia, GERD and Barrett's Esophagus
- Esophageal and motility disorders
- Fatty Liver Disease
- GI Bleeding
- IBD
- Malabsorption Syndromes/Chronic Diarrhea
- Pancreatitis
- Parenteral and enteral nutrition
- Peptic Ulcer Disease

General Internal Medicine

- Addiction Medicine
 - Alcohol Problems In Primary Care
 - Smoking Cessation
- Cardiac Risk Evaluation
- Clinical Nutrition and Obesity
- Communication in Transition in Care
 - Hospital Discharge
 - Night time Sign Out
 - Transfer to another service
- Constipation
- Cough
- Dermatology for the Internist
 - Atopic Dermatitis
 - Dermatologic Malignancies
 - Eczema
 - Psoriasis
- Diabetes
 - Diagnosis and Management
 - Chronic Complications
 - Updates
 - DKA/NKHHS
 - Diabetic Foot
 - Insulin therapy
- Diarrhea – acute and chronic
- Dizziness
- Dyspnea

- End of Life Care
 - Advanced Directives
 - Hospice Care
- Fever
- Fibromyalgia
- Hearing Loss/Tinnitus
- Hypertension
 - Diagnosis - complications
 - Management
 - Secondary Hypertension
 - Updates
- Irritable Bowel Syndrome
- Leg and Foot Ulcers
- Lipid Management
- Low Back Pain
- Men's Health:
 - BPH
 - Erectile Dysfunction
 - Hypogonadism
 - Prostatitis
- Ophthalmology for the Internist
 - The Red Eye
- Pain Management
- Palpitations
- Patient Centered Interviewing
- Residents as Teachers
 - Introduction
 - The PGY2 as Supervisor
- Preoperative Evaluations
- Preventive Health
 - Immunizations for Adults
 - Screening Tests
- Psychiatry for the Internist
 - Adult ADHD
 - Anxiety Disorders
 - Depression in Primary Care
 - Mood disorders
 - Somatization Disorders
- Seizures
- Sinusitis and Allergic Rhinitis
- Syncope
- Telephone Medicine
- Urinary Incontinence
- Vertigo
- Women's Health:
 - Abnormal Uterine Bleeding
 - Benign Breast Disorders
 - Cervical Cancer Screening/HPV
 - Contraception
 - Medical Issues in Pregnancy
 - Menopausal Symptoms/Treatment
 - Sexual Dysfunction
 - Vaginitis/STD's
- Wound Care

Geriatrics

- Chronic Disease in the Elderly:
 - Cardiology
 - Endocrinology
 - GI, Hematology
 - ID, Nephrology
 - Neurology

- Oncology
- Pulmonary Disease
- Rheumatology
- Difference in Approach
- Preventive Medicine in the Elderly
- Dementia
- Geriatric Syndromes:
 - Delirium
 - Urinary Incontinence
 - Falls
 - Osteoporosis
- Geropsychiatry:
 - Depression
 - Mood Disorders
 - Behavioral Issues
- Palliative Care/End of life Care
 - Prognostication
 - Hospice
 - Symptom Management
- Polypharmacy: Beers list

Hematology/Oncology

- Anemias
- Approach to Anemia
- Breast Cancer and Screening
- Colorectal Cancers
- Gynecologic Malignancies
- Head and Neck Cancers
- Hematologic Malignancies
- Hemoglobinopathies and Thalassemia
- HIT and New Anticoagulants
- Hodgkin's and Non-Hodgkin's Lymphoma
- Hypercoagulability
- Lung Cancer
- Multiple Myeloma
- Myeloproliferative Disorders
- Oncologic Emergencies
- Pancytopenia
- Paraneoplastic Syndromes
- Platelet Disorders
- Thyroid Tumors
- Transfusion Medicine

Infectious Disease

- Antibiotic choices
- C Difficile Colitis
- CNS infections
- Common HIV/ID issues in primary care
- Community acquired MRSA
- Enteric infections
- Fungal infections
- FUO
- Hepatitis
- Hospital-acquired infections
- ID for Travelers
- Insect Borne Diseases
- Infective endocarditis
- Osteomyelitis
- Secrets from the Micro Lab
- Skin and Soft Tissue Infections
- TB evaluation/management
- Vaccine Preventable Disease - Influenza

Nephrology

- Acid-base Physiology
- Acute renal failure
- Calcium/phosphorus in renal disease
- Chronic kidney failure/dialysis
- Diabetic nephropathy
- Electrolyte abnormalities
- Glomerular disease
- Hypertension and renal disease
- Interpreting the UA
- Proteinuria and Hematuria
- Renal tubular disorders

Neurology

- Cerebrovascular Disease
- Delirium
- Epilepsy
- Intracerebral Hemorrhage
- Headache/ Migraine
- Mental Status Changes
- Movement Disorders
- Multiple Sclerosis
- Neuromuscular Diseases
- Peripheral Neuropathies
- Stroke
- The Neurologic Exam
- Withdrawal

Pulmonary

- Asthma and COPD
- Cystic Fibrosis
- Evaluation of Hypoxia
- Interstitial Lung Disease
- Occupational Lung Disease
- Pleural Disease
- Preoperative Pulmonary Evaluation
- Pulmonary Emboli and Thromboembolic
- Pulmonary Function Testing
- Sarcoidosis
- Sleep Apnea/Sleep Medicine
- Solitary Pulmonary Nodule

Procedures (All Residents will participate in these ABIM mandated procedures during the simulation training setup in the first few weeks of the year)

- Abdominal paracentesis
- ACLS
- Arterial Line Placement
- Arthrocentesis

- Central venous line placement
- Drawing venous blood
- Drawing arterial blood
- EKG
- Incision and Drainage of an abscess
- Lumbar puncture
- Nasogastric intubation
- PAP smear and endocervical culture
- Placing a peripheral venous line
- Pulmonary artery catheter placement
- Thoracentesis

Quality and Safety

Research

- Introduction to Research – Part I
 - Types of Research & Outcomes
 - Efficacy vs. Effectiveness
- Introduction to Research – Part II
 - Ethics
 - Human Subjects Protection & IRB
- Basic biostatistics
 - Logic and application of selected methods of statistical analysis
- Intermediate biostatistics
 - Power Analysis and methods
- Research Study Design I
 - Quantitative Focus
- Research Study Design II
 - Qualitative Focus
- Evidence Based Medicine Part I
 - Research Question Formulation
 - Critical Appraisal of Evidence
- Evidence Based Medicine Part II
 - Literature Search and Review
- Implementation, Dissemination, Diffusion
 - Dissemination/grant proposals
 - Preparation and Presentation

Rheumatology

- DMARDs and Biological Drugs Overview
- Gout and CPPD
- Inflammatory Myopathies
- Laboratory Testing in Rheumatology
- SLE and Anti-phospholipid syndrome
- Osteoarthritis
- Rheumatoid Arthritis/Seronegative Polyarthritis
- Scleroderma
- Spondyloarthropathies

Core Lecture and Morning Report Schedule

Endocrinology (Dr. Syoufi)

August 14, 16 and 17
October 16, 18 and 19
January 15, 17 and 18
March 4, 7 and 8

Gastroenterology (Dr. Talluri)

September 11, 13 and 14
December 11, 13 and 14
February 19, 21 and 22

Hematology/Oncology (Dr. Buresh)

July 31, August 2 and 3
September 25, 27 and 28
December 4, 6 and 7
February 5, 7 and 8
April 23, 25 and 26

Infectious Disease (Dr. Schroeder)

July 24, 26 and 27
October 30, November 1 and 2
January 8, 10 and 11
March 19
April 30, May 2 and 3

Inpatient (Drs. Evans & Holdsworth)

July 3 and 5
August 7, 9 and 10
September 18 and 21
November 6 and 9
January 4
March 26, 28 and 29
May 7 and 10

Nephrology (Dr. Burstein)

November 27, 29 and 30
March 12, 14 and 15
May 30 and 31

Neurology (Dr. Moschonas)

September 6 and 7
March 21 and 22

Rheumatology (Dr. Howard)

August 21, 23 and 24
October 23, 25 and 26
December 18, 20 and 21
March 1
May 14, 16 and 17

Radiology (Dr. Lai-Dubes)

July 6
September 20
November 8
January 3
May 9

Cardiology (Dr. Storch)

July 10, 12 and 13
August 28, 30 and 31
October 2, 4 and 5
November 13, 15 and 16
January 22, 24 and 25
April 9, 11 and 12
May 23 and 24

Critical Care/Pulm (Drs. Seth & Ronan)

July 17, 19 and 20
October 9, 11 and 12
February 12, 14 and 15
April 16, 18 and 19
June 4

Dermatology (Dr. Lin)

November 20 & 21
February 26 and 28

Every specialty (except ICU) has morning report the whole week that they are scheduled for noon lectures.

Noon lectures are from 12:10–1:00
Morning report 7 am - 8 am.

The lectures will be held in the IM conference rooms in TPK. 7400 E. Thompson Peak Parkway, Scottsdale 85255