

# SCHOLARLY ACTIVITY IN THE HONORHEALTH THOMPSON PEAK DERMATOLOGY\_RESIDENCY PROGRAM

## 2017-2018 EXECUTIVE SUMMARY

### Overview

As part of improving their patient care, the Dermatology Scholarly Activity Program provides 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, which will help residents develop a pattern of lifelong learning habits. Residents learn the basic principles of research including how research is conducted, evaluated, explained to patients, and applied to their patients' care. The Scholarly Activity Program (SAP) is designed to fulfil the residency program's Practice-Based Learning goals. Scholarly activities of residents and faculty are documented and assessed regularly as part of the Dermatology Program evaluation and are also assessed through the annual Faculty and Resident Survey.

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 includes a list of recent faculty and resident activities.

### PART I – Processes for Scholarly Activity & Research

The Scholarly Activity Program is administered through a variety of teaching strategies, including regular instruction through didactics sessions, engaged participation in research projects, journal club, and presentations at residency-based conferences (Grand Rounds, M&M, etc). Residents are also required to regularly submit scientific abstracts, posters and/or manuscripts to professional associations and publishers with the intent to present at conferences or publish in peer-reviewed journals.

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

## Community Service & Education

Residents will be required to participate in community events focused on delivering medical care to under-served or impoverished areas of the population. Tracking and recording of these efforts will be required.

Community service activities for residents:

Public health presentations (skin cancer awareness and prevention) to businesses, living facilities and schools throughout the valley

1-hour credit for each hour of doing skin screenings (senior care organizations, retirement communities, local employers, health fairs, races and other venues)

Volunteer time for non-profit health agencies (Arizona Skin Cancer Foundation, Cancer Society, etc) – 1-hour credit for each hour worked.

Volunteer work with Church and/or Youth Groups – 1-hour credit for each hour worked.

Other volunteer work for credit must be approved in advance by the Program Director.

## Faculty Research and Scholarly Activity

Dermatology faculty are required to demonstrate involvement in resident scholarly activity by providing guidance and support to residents and participating in clinical discussions and conferences. Faculty are responsible for committing and scheduling a portion of their time to supporting the scholarly activities of residents. During such time, faculty may provide direct consultation and advisement on scholarly topics, the research process, or provide ongoing guidance throughout a project's entire timeline. Faculty also select peer-reviewed and clinically significant research articles for residents to review, appraise and present during journal club activities.

Faculty are also responsible for the development and implementation of their own scholarly activities in order to expand their own knowledge base and contribute to the body of literature in their specialties. In addition, teaching faculty will be required to participate in clinical discussions and conferences along with on-site faculty development and training. All faculty will be encouraged to participate in national and regional professional organizations.

Additionally, 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.

Details of these activities can be found in Part III of this summary.

## Journal Club

Journal club is designed to 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. Reading assignments and participation are mandatory. Journal club activities are intended to assist residents in critically analyzing their own care against the most up-to-date information on diagnosis and treatment effectiveness.

## Morbidity and Mortality Conference

On a quarterly basis, residents participate in interprofessional review of patient complications and discussion of action steps to prevent similar events in the future. Cases can include unexpected deaths, delay in care or diagnosis, procedural complication, avoidable medical events such as CAUTI or falls, or near miss events such as medication errors, lab events or errors, or failure to act. During each conference, the goals, guiding principles and privileged nature of the discussion and materials are introduced. Conferences are directed and supervised by a Board-Certified physician and focus is on education and potential patient care or system improvement. The discussion is summarized, and a list of action items or best practices may be developed.

## National and Local Conference Presentations

Residents are 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 Dermatology residency. Presentations will be prepared under supervision of residency faculty and/or physician researcher.

Resident scholarly projects are frequently submitted to the annual "Academic Excellence Day", sponsored by the University of Arizona, College of Medicine Phoenix, which is designed for resident and fellow poster and oral presentations of case reports and research projects.

## Noon Conferences

Noon conferences are delivered by faculty and other clinical and non-clinical content experts. This series groups learning in both general medicine and in medical subspecialties to provide continuity of learning throughout the resident's training.

Noon conferences include a series of Resident Conferences, giving PGY2 and PGY3 residents an opportunity to present clinical topics.

## Quality Projects & Teams

All residents are required to participate in a quality team and/or quality improvement project within the base hospital institution. The quality projects focus on quality measures, patient safety, efficient workflows, or risk management. Residents are trained yearly regarding the organization's policies and processes for reporting medical errors and near misses.

## Scholarly Research Project

All residents receive didactic training from research faculty on research methodology, study design, biostatistics, appraisal and application of evidence-based medicine, ethics in the context of research, developing research questions, and disseminating and presenting results of research projects. Residents also attend an annual HonorHealth Research, Quality Improvement and Patient Safety half-day conference (ResQIPS) that is a collaborative, interprofessional event planned by Academic Affairs, Quality, HonorHealth Research Institute, Center for Clinical Excellence and Library Services. Training includes:

CITI human subject protections training;

understanding the significance of a scientific study or project and how it addresses important clinical problems and/or critical barriers to progress in the field;

identification of improvements made to scientific knowledge, technical capability and clinical practice when projects aims are achieved;

recognition of changes in various aspects, methodologies, technologies, services, and therapies & preventative interventions when project aims are met;

formulation of specific, researchable clinical queries and familiarity with the PICOT algorithm;

performing a literature search using reference databases and literature citation management software;

creation of an annotated bibliography;

critical appraisal of primary research literature, including analyzing the appropriateness of research designs and statistical methods, and relevance to patient care that the resident provides.

defining independent and dependent variables and outcomes of impact to clinical practice

understanding of other research-related concepts, including research designs, scientific methods, data collection & statistical analysis, and dissemination of new information through reports and publications

**SCHOLARLY RESEARCH PROJECT** Residents are required to be actively working on a research project throughout residency with the goal to complete a scholarly research project annually. Affiliated Dermatology has a strong relationship with the Midwestern University Biomedical Research Department. Active ongoing projects are under the supervision of Dr. Elizabeth Hull.

In-house active research projects include:

- Tissue bank collection for melanoma, squamous cell carcinoma and basal cell carcinoma tumors.
- Genomic studies in patients at high risk for melanoma and other cancers.
- Survey studies.

More research projects and funding are being developed as the program continues to grow.

**RESEARCH TIMELINE** Residents are expected to select a research project during the PGY-2 year. This project must be reviewed and discussed with the program director, mentor/advisor or member of Midwestern University's research team. This is tracked by quarterly in-house research meetings with Dr. Hull. Appropriate timelines will be determined in order to complete research. Program Directors will not sign off on promotion and/or program graduation if research projects are incomplete.

## Residents As Teachers

Residents have multiple opportunities to practice and develop their teaching skills. In addition to the teaching demands required from daily interaction with patients, families, and other health care professionals, residents participate in leading interactive didactic sessions such as noon conference or Grand Rounds. 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. Residents incorporate this real-time feedback into their daily practice.. At the conclusion of each rotation, residents are evaluated by 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 faculty advisors and Program Director provides a semiannual Milestone review at which feedback from all these sources is provided. Residents utilize this feedback to improve upon their teaching skills.

## PART II - Resources for Scholarly Activity & Research

### Dermatology Residency Program Resources

The Dermatology Residency Program provides access to HonorHealth resources and dermatology-specific resources including the "Landmarks in Cutaneous Biology" series from the Journal of Investigative Dermatology. Residents are also required to attend the American Academy of Dermatology's Basic Science course at the annual meeting at least once during residency.

*See Appendix B for additional information of how these resources are incorporated in didactic schedule.*

## 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)

Herbals & 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.

## Midwestern University Office of Research and Sponsored Programs (ORSP)

The ORSP office provides a wide variety of resources to support scholarly & research activities of residents and faculty:

- publishes a monthly newsletter highlighting news & opportunities
- provides online access to policies, forms and funding sources
- support in preparing proposals for submission to sponsors, including budget development, institutional and scientific review
- provides funding opportunities for research

Affiliated Dermatology has a strong relationship with the Midwestern University Biomedical Research Department. Active ongoing projects are under the supervision of Dr. Elizabeth Hull.



## PART III – INVENTORY OF SCHOLARLY ACTIVITIES

### Resident Activities

#### COMMUNITY SERVICE

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Mitchell Manway, DO	PGY2	Skin Cancer Screening, Verizon, Phoenix AZ	06/26/18
Mitchell Manway, DO	PGY2	Skin Cancer Screening, Silverstone Independent and Assisted Living Center, Scottsdale AZ.	05/19/18
Dustin Mullens, DO	PGY3		
Mitchell Manway, DO	PGY2	Skin Cancer Screening, Virginia G Piper Cancer Center, Scottsdale AZ.	05/19/18
Dustin Mullens, DO	PGY3		
Mitchell Manning, DO	PGY2	Skin Cancer Screening, Medical Explorers, TPK Medical Center, Scottsdale AZ.	04/28/18
Dustin Mullens, DO	PGY3		
Dustin Mullens, DO	PGY3	Lecture and Skin Cancer Screening, JCC, Scottsdale AZ.	04/25/18
Andrew Newman, DO	PGY2		
Mitchell Manning, DO	PGY2	Health Fair (Sunscreen/Sun Cancer), UPS, Phoenix AZ	04/05/18
Dustin Mullen, DO	PGY3	Skin Cancer Awareness Podcast, Farren Media, April 2018	04/02/18
Dustin Mullens, DO	PGY3	Skin Cancer Screening, Averittes Triathlete Training Camp, Scottsdale AZ.	03/18/18
Andrew Newman, DO	PGY2		
Andrew Newman, DO	PGY2	Skin Cancer Screening, Mountain Park Health Center, Phoenix AZ.	10/17/17
Mitchell Manning, DO	PGY2	Skin Cancer Screening, Dermalogica, Phoenix AZ	09/08/17
Mitchell Manway, DO	PGY2	Skin Cancer Screening, Plexus Worldwide, Scottsdale AZ	07/13/17

#### SUBMITTED MANUSCRIPT

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Dustin Mullens, DO	PGY3	Mullens D, Chaudhari H, Newman A, Barr J. “Acquired ‘autoimmune’ angioedema and systemic lupus erythematosus in a 40-year-old African American male.” 2018.	06/01/18
Andrew Newman, DO	PGY2		

## PATIENT EDUCATION BLOGPOSTS

Trainee Name	PGY Year	Scholarly Project Title	Completion Date
Andrew Newman DO	PGY 2	“Rashes Men Get (and don’t like to talk about).” <a href="https://affderm.com/2018/03/07/rashes-men-get-and-dont-like-to-talk-about/">https://affderm.com/2018/03/07/rashes-men-get-and-dont-like-to-talk-about/</a>	03/17/18

## PRESENTATIONS/POSTERS/ABSTRACTS

Trainee Name	PGY Year	Title	Completion Date
Mitchell Manning, DO	PGY2	Presentation: “Generations Differences in Post- Graduate Medical Education/Dermatology” HonorHealth Journal Club	05/15/18
Dustin, Mullens, DO	PGY3	Poster abstract submission: “Use of amniotic tissue derived allografts to promote wound closure post-Mohs micrographic surgery.” American Society for Dermatologic Surgery Annual Conference.	05/14/18
Dustin Mullens, DO	PGY3	Presentation: “Melanoma Monday” Channel 12 News, Phoenix AZ	05/07/18
Dustin Mullens, DO	PGY3	Poster 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.	05/02/18
Dustin Mullens, DO	PGY3	Poster Presentation: Seaton K, Mullens D, Hull E, Barr J, Averitte R. “Use of amniotic tissue derived allografts to promote wound closure post-Mohs micrographic surgery.” Kenneth A. Suarez Research Day, April 2018; Glendale, AZ.	04/27/18
Dustin Mullens, DO	PGY3	Poster Presentation: “Use of Amniotic Tissue Derived Allografts to Promote Wound Closure Post-Mohs Micrographic Surgery, AOMA, Phoenix AZ.	04/15/18
Mitchell Manway, DO	PGY2	Poster Presentation: Manway M, Blackburn S, Barr J, Hull E, Averitta R, Ahn Y. “Effects of Acupuncture on chronic idiopathic priutius: an uncontrolled pilot study evaluating inflammatory changes with treatment, AOMA, Phoenix AZ	04/15/18
Dustin Mullens, DO	PGY3	Presentation: “Complex Inpatient Dermatology Cases” Grand Rounds, HonorHealth, Scottsdale AZ	04/13/18
Andrew Newman, DO	PGY2	Radio Show Presentation: “Allergies” KTAR Phoenix AZ	03/30/18
Dustin Mullens, DO	PGY3	Poster Presentation “A case of perforating granuloma annulare” HonorHealth Scottsdale AZ	03/24/18
Dustin Mullens, DO	PGY3	Poster Presentation: Mullens D, Estrada S, Barr J, Egnatios GL, Lin C, Averitte R. A case of perforating granuloma annulare, American Osteopathic College of Dermatology Annual Meeting. March 2018; West Palm Beach, FL.	03/21/18

Mitchell Manway, DO	PGY2	Presentation: "Skin Cancer Basics", American Osteopathic College of Dermatology Annual Meeting. March 2018; West Palm Beach, FL.	03/23/18
Dustin Mullens, DO	PGY3		
Dustin Mullens, DO Andrew Newman, DO	PGY3/PGY2	Radio Show Presentation: "Taking Stock in You" Health Futures, Scottsdale AZ	03/15/18
Dustin Mullens, DO	PGY3	Presentation: "Comprehensive Care for Cutaneous Squamous Cell Carcinoma": Arizona Physician Assistants Association Annual Meeting, Prescott AZ	03/08/18
Andrew Newman, DO	PGY2	Presentation: "Inpatient Rashes" Noon Conference HonorHealth, Scottsdale AZ	02/28/18
Mitchell Manning, DO	PGY2	Presentation: "Outpatient Dermatology" Noon Conference, HonorHealth Scottsdale AZ	02/26/18
Dustin Mullens, DO	PGY3	Presentation: "Q&A" Dermatology Club, Midwestern University, Glendale AZ	09/14/17
Mitchell Manning, DO Dustin Mullens, DO	PGY2 PGY3	Presentation: "So you're interested in medicine?" Summer Health Institute, ASU Tempe AZ	07/28/17
Mitchell Manning, DO	PGY2	Presentation: "Sun Safety and Skin Cancer" City of Mesa, Mesa AZ	07/12/17

## PROFESSIONAL ACTIVITIES/COMMITTEES

Trainee Name(s)	PGY	Scholarly Activity Title	Completion
Dustin Mullens, DO	PGY 3	Research/Quality Improvement/Patient Safety (ResQIPS) GMEC Subcommittee, HonorHealth, Scottsdale AZ (2018 Feb)	02/28/18
Mitchell Manning, DO	PGY 2	Quality Root Cause Analysis, HonorHealth Scottsdale AZ (2018 Jan)	01/09/18
Dustin Mullens, DO	PGY 3	Oncology Tumor Board, HonorHealth, Scottsdale AZ (2017 Dec)	12/14/17

# Faculty Activities

## PRESENTATIONS/POSTERS/ABSTRACTS

Faculty Name(s)	Scholarly Project Title
Estrada S., Barr J., and Lin C.	Mentored PGY3 Dustin Mullens 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)
Barr, J.	Mentored PGY3 Dustin Mullens in two poster submissions: Mullens D, Seaton K, Hull E, Barr J, Averitte R. "Use of amniotic tissue derived allografts to promote wound closure post-Mohs micrographic surgery." American Society for Dermatologic Surgery Annual Conference. 2018 AND Kenneth A. Suarez Research Day, Glendale, AZ. (2018, April 27)
Lin, C.	Mentored PGY3 Dustin Mullens in Grand Rounds Presentation: "Complex Inpatient Dermatology Cases" Grand Rounds, HonorHealth, Scottsdale AZ (2018, April 13)
Estrada, S.	Presentation: "What If?" A presentation of 30 of my most challenging cases." Affiliated Dermatology Core Faculty and non-provider meeting (2017, Dec)
Lin, C.	Presentation: "Malignant Melanomas (Melanoma Basics)" HonorHealth Thompson Peak Medical Center Internal Medicine Noon Conference (2017 Nov 21)
Lin, C.	Presentation: "Nonmelanoma Skin Cancers." HonorHealth Thompson Peak Medical Center Internal Medicine Core Lecture Series (2017, Nov 20)
Estrada, S.	Presentation: "An overview of melanoma: diagnosis and scoring." Chief Scientists Meeting, Castle Biosciences, Inc (2017, July)
Lin, C.	Mentoring and Presentation "Dermatology resident case presentations" HonorHealth Thompson Peak Medical Center Internal Medicine Grand Rounds (2017, Mar 10)
Lin, C	Presentation: "Benign Skin Lesions." HonorHealth Thompson Peak Medical Center Internal Medicine Noon Conference (2017, Feb.)
Lin, C	Presentation: "Approach to Blistering Dermatoses" HonorHealth Thompson Peak Medical Center Internal Medicine Noon Conference (2016 Nov)
Lin, C	Presentation: "Dermatologic Emergencies." HonorHealth Thompson Peak Medical Center Internal Medicine Core Lecture Series (2016, Nov)
Price, H.	Poster Presentation: Price H, O'Haver, J. "Congenital melanocystic nevi and the experience of itch: results from a patient based study." Society for Pediatric Dermatology, Boston MA (2015 July)
Barr, J 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.
Barr, J 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)
Price, H.	Poster Presentation: Mitkov M, Menaspace D, O'Haver J Lynn G, Reeder D, Hogeling M, Price H. "Pediatric Melanoma: a retrospective review of 19 cases." Society for Pediatric Dermatology, Couer D'Alene ID (2014 July)
Egnatios, G	Poster Presentation: "Sticks and Stones Can Break One's Bones Especially with Phosphaturic Mesenchymal Tumor." International Society of Dermatopathology, Denver, Colorado (2014 Mar19-20)
Patel, A	Presentation: "Advances in Radiation Treatment for Lung Cancer." The Wellness Community_AZ, Phoenix AZ (2013, Dec).
Egnatios, G	Poster Presentation: "Foiled Again: Melanoma Posing as a Rhabdomyosarcoma." American Society of Dermatopathology, Washington, DC (2013 Oct 10-13)

Patel, A.	Presentation: “Advancements in Radiation Technology for Breast Cancer Treatment and Impact on Acute and Long-Term Toxicity.” Bosom Buddies Training Seminar, Scottsdale AZ (2013 June).
Egnatios, G	Poster Presentation: “The Impact of Biopsy Technique on Upstaging, Residual Disease, and Outcome in Cutaneous Melanoma” American Academy of Dermatology, San Diego, California (2012, Mar 16-20)
Patel, A.	Presentation: “Recent Advances in Head and Neck Cancer” Phoenix Society of Oral and Maxillofacial Surgeons, Scottsdale, AZ (2012 Mar)

## PROFESSIONAL ACTIVITIES/COMMITTEES

Faculty Name(s)	Scholarly Activity
Barr, J	American Osteopathic College of Dermatology (2006 – present)
Blumetti, B.	American Osteopathic College of Dermatology (2007-present)
Lam, T.	American Osteopathic College of Dermatology (2007- present)
Blumetti, B.	Association of Osteopathic Directors and Medical Educators (2017-present)
Barr, J	American Academy of Dermatology (2006 – present)
Blumetti, B.	American Academy of Dermatology – Graduate Member (2007-present)
Egnatios, G	American Academy of Dermatology (2012-present)
Lin, C	American Academy of Dermatology (2002-present)
Lam, T.	American Academy of Dermatology (2007- present)
Price, H.	American Academy of Dermatology (2009- present)
Mengesha, Y.	American Academy of Dermatology (present)
Barr, J	American Osteopathic Association (2001 to present)
Barr, J	American Society for Dermatologic Surgery (2016 – present)
Blumetti, B	American Society for Dermatologic Surgery (2007-present)
Lin, C.	American Society of Dermatologic Surgery (2005- present)
Blumetti, B.	American Society of Mohs Surgery (2016-present)
Egnatios, G	American Society for Mohs Surgery (2017 – present)
Lin, C.	American Society of Mohs Surgery (2002- present)
Price, H.	Arizona Dermatology and Dermatologic Surgery Society (2010- present)
Price, H.	Society for Pediatric Dermatology (2015 – present)
Egnatios, G	Maricopa County Medical Society (2008 -present)
Egnatios, G	American Society of Dermatopathology (2013-14)
Estreda, S.	American Society of Dermatopathology (present)
Mengesha, Y.	American Society of Dermatopathology (present)
Egnatios, G	Phoenix Dermatologic Society (2009-2012)
Mengesha, Y.	Phoenix Dermatologic Society (present)
Price, H.	Phoenix Dermatologic Society (2010 - present)
Egnatios, G	American Medical Association (2004 – present)
Estreda, S.	American Medical Association (present)
Mengesha, Y	American Medical Association (present)
Blumetti, B.	Women’s Dermatologic Society (2008-2015)
Estreda, S.	International Society of Dermatopathology (present)
Mengesha, Y.	International Society of Dermatopathology (present)
Blumetti, B.	American Osteopathic Association (2003-present)
Lam, T.	American Osteopathic Association (2002- present)
Patel, A.	American Society for Therapeutic Radiation and Oncology (present)
Patel, A.	American Society for Clinical Oncology (present)
Patel, A.	American College of Radiation Oncology (present)
Patel, A.	Radiological Society of North America (present)
Price, H.	Society for Pediatric Dermatology (2009- present)
Price, H.	American Academy of Pediatrics (2010- present)
Estreda, S.	Principal Investigator for several ongoing IRB approved tissue bank-based research projects involving melanoma and non-melanoma skin cancer, Affiliated Dermatology and Affiliated Laboratories, 2014 – Present.

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. Protocol PIO-023 at Affiliated Dermatology, Scottsdale, AZ. January 2009 –Present.
Lin, C.	Principal Investigator. A Multicenter Open Registry of Patients with Psoriasis Who Are Candidates for Systemic Therapy Including Biologics. Protocol C0168Z03 at Affiliated Dermatology, Scottsdale, AZ. Patients enrolled. August 2008 -Present.
Estreda, S.	Lead Investigator: Anti-PD-L1 (SP142) rabbit monoclonal primary antibody staining of non-small cell lung carcinoma. 2014.
Estreda, S.	Lead Investigator: Anti-PD-L1 (SP142) rabbit monoclonal primary antibody staining of triple-negative breast cancer. 2014.

## PUBLISHED CHAPTER OR TEXTBOOK

Faculty Name(s)	Scholarly Project Title
Egnatios G.	Yiannias JA, Egnatios GL, Mullen HE. Contact Dermatitis. In: Bope ET, Kellerman RD, Rakel RE. Conn's Current Therapy 2019. 1st Ed. Philadelphia, PA: Saunders; Forthcoming 2018.
Egnatios, G.	Yiannias JA, Egnatios GL. Contact Dermatitis. In: Bope ET, Kellerman RD, Rakel RE. Conn's Current Therapy 2018. 1st Ed. Philadelphia, PA: Saunders; 2017 Dec 25.
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Egnatios, G.	Yiannias JA, Egnatios GL. Contact Dermatitis. In: Bope ET, Kellerman RD, Rakel RE. Conn's Current Therapy 2016. 1st Ed. Philadelphia, PA: Saunders; 2015 Dec 8.
Egnatios, G.	Yiannias JA, Egnatios GL. Contact Dermatitis. In: Bope ET, Kellerman RD, Rakel RE. Conn's Current Therapy 2015. 1st Ed. Philadelphia, PA: Saunders; 2014 Nov 19.

## PUBLISHED JOURNAL ARTICLE/ABSTRACT/MANUSCRIPT SUBMISSION

Faculty Name(s)	Scholarly Project Title
Estrada, S.	Zager JS, Gastman BR, Leachman S, Gonzalez RC, Fleming MD, Ferris LK, Ho J, Miller AR, Cook RW, Covington KR, Meldi-Plasseraud K, Middlebrook B, Kaminester LH, Greisinger A, Estrada SI, Pariser DM, Cranmer LD, Messina JL, Vetto JT, Wayne JD, Delman KA, Lawson DH, Gerami P. "Performance of a prognostic 31-gene expression profile in an independent cohort of 523 cutaneous melanoma patients." MC Cancer. 2018 Feb 5;18(1):130.
Barr, J.	Mentored PGY2 Mitchell Manway with poster presentation and manuscript submission: Manway M, Blackburn S, Barr J, Hull E, Averitta R, Ahn Y. "Effects of Acupuncture on chronic idiopathic pruritus: an uncontrolled pilot study evaluating inflammatory changes with treatment", 2018.
Estrada S. and Barr, J.	Submitted Manuscript: Newman A, Estrada S, Mullens D, Barr J. "Auricular angioleiomyoma: an unusual mimic of the common epidermoid cyst." 2018.
Lin, C.	Submitted Manuscript: Lin, C. "A Case of African Tick Bite Fever" BMJ Case Reports, 2018.
Barr, J.	Mentored PGY3 Dustin Mullens and PGY2 Andrew Newman in manuscript submission: Mullens D, Chaudhari H, Newman A, Barr J. "Acquired 'autoimmune' angioedema and systemic lupus erythematosus in a 40-year-old African American male." 2018.

Price, H.	Price, HN. "Congenital melanocytic nevi: update in genetics and management." <i>Curr Opin Pediatr.</i> 2016 Aug;28(4):476-82.
Egnatios, G.	Andrulonis R, Egnatios GL, Pride H. "Irregular, smooth, pink plaque on the back." <i>Cutis</i> 2016 May;97(5):E7-9.
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Barr, J	Chaudhari SP, Tam AY, Barr JA. "Curcumin: A Contact Allergen" <i>J Clin Aesthet Dermatol.</i> 2015 Nov;8(11):43-8.
Price, H.	Wadowski L, Balasuriya L, Price HN, O'Haver J. "Lice update: new solutions to an old problem." <i>Clin Dermatol.</i> 2015 May-Jun;33(3):347-54.
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Price, H.	Price HN1, O'Haver J, Marghoob A, Badger K, Etchevers H, Kregel S. "Practical application of the new classification scheme for congenital melanocytic nevi." <i>Pediatr Dermatol.</i> 2015 Jan-Feb;32(1):23-7.
Barr, J.	Collins, J., Duff, M., Barr, J., Averitte Jr., R., & Linn, C. "Elephantiasis Nostras Verrucosa". <i>Journal of the American Osteopathic College of Dermatology</i> , 2014 Vol 29, 26-28.
Price, H.	Jacobs A1, Price HN, Popenhagen MP. "Blowing away the pain: a technique for pediatric pain management." <i>Pediatr Dermatol.</i> 2014 Nov-Dec;31(6):757-8.
Price, H.	Fonseca V1, Price HN, Jeffries M, Alder SL, Hansen RC. "Crusted scabies misdiagnosed as erythrodermic psoriasis in a 3-year-old girl with down syndrome." <i>Pediatr Dermatol.</i> 2014 Nov-Dec;31(6):753-4.
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Egnatios, G	Egnatios GL, Ferringer T, Dorion RP. "Multiple skeletal fractures and asymptomatic foot nodule." <i>ASDP Interactive Case Study - April 2014.</i>
Price, H.	Wolter S, Price HN." Atopic dermatitis." <i>Pediatr Clin North Am.</i> 2014 Apr;61(2):241-60.
Price, H.	Badger K, O'Haver J, Price H. "Recommendations for a Comprehensive Management Plan for the Child Diagnosed With Epidermolysis Bullosa." <i>Journal of the Dermatology Nurses' Assn</i> 5(2) 72-78.
Price, H.	Pickert A1, Price H. "Resident rounds. Part III. A case of Proteus syndrome." <i>J Drugs Dermatol.</i> 2013 May;12(5):586-7.
Patel, A.	Jaboin JJ, Ferraro DJ, DeWees TA, Rich KM, Chicoine MR, Dowling JL, Mansur DB, Drzymala RE, Simpson JR, Magnuson WJ, Patel AH, Zoberi I." Survival following gamma knife radiosurgery for brain metastasis from breast cancer." <i>Radiat Oncol.</i> 2013 May 29;8:131.
Price, H.	Patel N1, Price H, Bernert R. "Congenital blue nodules on a 4-week-old female." <i>Pediatr Dermatol.</i> 2013 May-Jun;30(3):387-8.

## RESIDENCY JOURNAL CLUB

Faculty Name(s)	Scholarly Project Title	Completion Date
Barr, J Blumetti, B.	"Post-operative Hemorrhage Following Cutaneous Surgery."	05/15/18
	"Generations Differences in Post-Graduate Medical Education/Dermatology."	
Barr, J Blumetti, B.	"Chemoprevention of Basal and Squamous Cell Carcinoma with a Single Course of Fluorouracil, 5%, Cream A Randomized Clinical Trial."	03/19/18

	"Histopathological Changes in Morphea and Their Clinical Correlates: Results from the Morphea in Adults and Children Cohort V"	
	"A Systematic Review of Morphea Treatments and Therapeutic Algorithm."	
Barr, J Blumetti, B.	"Oral Vitamin D Rapidly Attenuates Inflammation from Sunburn: An Interventional Study."	02/19/18
	"Hydrochlorothiazide use and Risk of Nonmelanoma Skin Cancer; A Nationwide CaseControl Study from Denmark."	
Barr, J Blumetti, B.	"The Impact of Psychosocial Stress on Healthy Skin."	01/08/18
	"Depression Screening using Health Questions in Patients Receiving Oral Isotretinoin for Acne Vulgaris."	
	"Hair Repigmentation During Immunotherapy Treatment with an Anti Programmed Cell Death 1 and Anti - Programmed Cell Death Ligand 1 Agent for Lung Cancer."	
Barr, J Blumetti, B.	"Prevalence of Pubic Hair Grooming-Related Injuries and Identification of High-Risk Individuals in the United States."	12/18/17
	"Managing sharps injuries and other occupational exposures to HIV, HBV, and HCV in the dermatology office."	
	"Dermatology Practice Consolidation Fueled by Private Equity Investment Potential Consequences for the Specialty and Patients."	
	"Randomized trial of calcipotriol combined with 5-fluorouracil for skin cancer precursor immunotherapy."	
Barr, J Blumetti, B.	"A meta-analysis of nevus-associated melanoma: Prevalence and practical implications"	11/13/17
	"Effect of Topical Fluorouracil Cream on Photodamage Secondary Analysis of a Randomized Clinical Trial."	
	"Evaluation of Skin Reactivity: The concept of Histamine Equivalent Allergen Threshold Concentration (Cha)."	
	"Effect of distance between sites and region of the body on results of skin prick tests."	
	"Variability in Measurement of Allergen Skin Testing Results among Allergy-Immunology Specialists."	
	"Comparison of the Performance of Skin Prick, ImmunoCAP, and ISAC Tests in the Diagnosis of Patients with Allergy."	
Barr, J Blumetti, B.	"ASDS Guidelines Task Force: Consensus Recommendations Regarding the Safety of Lasers, Dermabrasion, Chemical Peels, Energy Devices, and Skin Surgery During and After Isotretinoin Use."	10/16/17
	"Antibiotic Resistance in Acne Treatment."	
	"Consumer Preferences, Product Characteristics, and Potentially Allergenic Ingredients in Best-Selling Moisturizers."	
	"Treatment of Hailey-Hailey Disease With Low-Dose Naltrexone."	
Barr, J Blumetti, B.	"Alopecia areata (AA) and treatment with simvastatin/ezetimibe: Experience of 20 patients."	09/18/17
	"Treatment of alopecia areata with simvastatin/ezetimibe."	
	"Topical Janus kinase inhibitors for the treatment of pediatric alopecia areata."	
Barr, J Blumetti, B.	"Low Usefulness of Potassium Monitoring Among Healthy Young Women Taking Spironolactone for Acne."	08/14/17
	"Oral Spironolactone in Post-teenage Female Patients with Acne Vulgaris Practical Considerations for the Clinician Based on Current Data and Clinical Experience."	
	"Serum potassium monitoring is not indicated for healthy young female patients on spironolactone for acne."	



## APPENDIX A – Descriptions of HonorHealth Library Services Resources

### Evidence-based medicine

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).

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.

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.

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.

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.

### Journal literature databases

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.

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.

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.

Research/Scholarly Activity and Faculty resources

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.

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

Arizona Health Matters website (state and local public health data)

National Guideline Clearinghouse Health Care Quality Tools and National Quality Measures (from the U.S. Agency for Healthcare Research and Quality)

TOXNET, a National Library of Medicine database on toxicology, hazardous chemicals, environmental health and toxic releases

GreenFILE database of published literature concerning environmental issues

Faculty Resources

ProceduresConsult (via ClinicalKey) provides over 300 educational videos on procedures in Emergency, Internal Medicine, Anesthesiology, General Surgery, Cardiology and other specialties.

Teacher Reference Center, an index of 280 peer-reviewed journals for teachers, covering topics like assessment, best practices, continuing education, and curriculum development

Textbooks (electronic & print)

ClinicalKey contains over 1100 medical and nursing e-textbooks and manuals.

STATRef includes over 140 medical and nursing e-textbooks.

Ovid Books provides a small collection of LWW medical & nursing reference e-books

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.

Primary care/Family Medicine/Internal Medicine

Obstetrics & Gynecology

Surgery & Perioperative Care

## Oncology

Subspecialties including Gastroenterology, Neurology, Orthopedics, Heart & Vascular, Dermatology, Psychiatry, Pediatrics, and Geriatrics

Health business, management & leadership

Business leadership & management

Professional development & certification (“test prep”) materials

Various consumer health & wellness and chronic disease management topics, in alignment with HonorHealth priorities

eJournals, Full-text

JAMA and JAMA Archives, Lancet, NEJM available electronically

Thousands of journal titles available through Medline with Full Text, CINAHL Complete, ClinicalKey and other database collections (title lists available upon request).

Drug information

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”.

Lexi-Comp, available through UpToDate, is another drug information product, with features including aural pronunciation of the drugs’ names and chemotherapy regimes.

FDA Electronic Orange Book (consumer information on generic drugs)

## Herbals & Supplements

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.

HerbMed (from the Alternative Medicine Foundation)

National Center for Complementary & Alternative Medicine (NCCAM) resources (including clinical practice guidelines and literature reviews for health care professionals)

Dietary Supplement Label Database (from the National Library of Medicine)

Patient Education/Consumer Health/Literacy resources

MEDLINEplus (Consumer health info from the National Library of Medicine)

CareNotes patient education resources (via Micromedex suite)

Basics & Beyond series (via UpToDate)

ExitCare (via ClinicalKey)

A wide variety of health literacy toolkits and resources, including resources for Ask Me 3 campaign

## APPENDIX B Didactics Master Schedule

### AY17-18 DERMATOLOGY RESIDENCY DIDACTIC SCHEDULE

Date	Speaker	Lecture Title/Topic	Hrs	Faculty Supervising
7/10/2017	D. Mullens, DO (R)	Book Chapters: Bologna/ Wolverton/Spitz	3.0	<b>B. Blumetti, DO (F)</b>
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	<b>J. Barr, DO (F)</b>
7/17/2017	D. Mullens, DO (R)	Book Chapters: Bologna/Wolverton/Spitz	3.0	<b>J. Barr, DO (F)</b>
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	2.0	
7/24/2017	D. Mullens, DO (R)	Book Chapters: Bologna/Wolverton/Spitz	2.0	<b>J. Barr, DO (F)</b>
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
7/31/2017	<b>B. Blumetti, DO (F)</b>	Hair Loss/Dermatitis/Hand/ Consulting Tough Cases	3.0	<b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Unknown Pathogen Review/Book Chapters: Woverton/Spitz	2.0	
8/7/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	2.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	2.0	
8/14/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	1.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
8/21/2017	A. Newman, DO (R)	Book Chapters: Wolverton	1.5	<b>J. Barr, DO (F)</b>
	M. Manway, DO (R)	Book Chapters: Spitz	1.5	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
8/28/2017	D. Mullens, DO (R)	Book Chapters: Bologna	2.0	<b>B. Blumetti, DO (F)</b>
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
9/11/2017	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	<b>J. Barr, DO (F)</b>
	M. Manway, DO (R)	Book Chapters: Spitz	1.0	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
9/18/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
9/25/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
10/2/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>J. Barr, DO (F)</b>

	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
10/9/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
10/16/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	
	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	
	<b>G. Egnatios, MD (F)</b>	Board Review/ Kodochromes	1.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
10/23/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	2.5	
	E. Hull, PhD	Research	1.5	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
10/30/2017	D. Mullens, DO (R)	Book Chapters: Bologna	2.0	<b>J. Barr, DO (F)</b>
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
11/6/2017	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.5	
11/13/2017	A. Newman, DO (R)	Book Chapters: Bologna/Wolverton/Spitz	2.5	<b>J. Barr, DO (F) R. Averitte, MD (F)</b>
	M. Manway, DO (R)	Book Chapters: Bologna/Wolverton/Spitz	2.5	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
11/20/2017	A. Newman, DO (R)	Book Chapters: Wolverton/Spitz	1.0	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
11/27/2017	A. Newman, DO (R)	Book Chapters: Wolverton	1.0	<b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	2.0	
	M. Manway, DO (R)	Book Chapters: Spitz	1.0	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
12/4/2017	D. Mullens, DO (R)	Book Chapters: Bologna	2.0	<b>B. Blumetti, DO (F)</b>
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
<b>12/11/2017</b>	<b>Resident Interviews</b>			
12/18/2017	A. Newman, DO (R)	Dermpath Review	1.0	<b>B. Blumetti, DO (F) J. Barr, DO (F)</b>
	<b>C. Lin, MD (F)</b>	Biopsy Characteristics/Statistics	2.0	
	D. Mullens, DO (R)	Dermpath Review	1.0	
	M. Manway, DO (R)	Dermpath Review	1.0	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	

12/25/2017 1/1/2018	Christmas New Year's			
1/8/2018	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>B. Blumetti, DO (F)</b> <b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna/Lymphedema Treatment & Disorders/Board Review	3.5	
	M. Anand, MD	Allergy	0.5	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermpath Exam	1.5	
1/15/2018	A. Newman, DO (R)	Book Chapters: Bologna/Wolverton	1.5	
	<b>J. Barr, DO (F)</b>	Microbiology in Dermatology	1.0	
	M. Manway, DO (R)	Book Chapters: Bologna/Spitz	1.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	2.0	
1/22/2018	A. Newman, DO (R)	Book Chapter:Wolverton	0.5	
	<b>B. Blumetti, DO (F)</b>	Medical Ethics	1.3	
	D. Mullens, DO (R)	Book Chapters: Elston/Bologna	3.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	2.0	
1/29/2018	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	1.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
	Y. Mengesha, MD	Clinical Derm Correlation	2.0	
2/5/2018	A. Newman, DO (R)	Book Chapters: Wolverton/Spitz	1.0	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	1.8	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.5	
2/12/2018	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna/Board Review	3.5	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
2/19/2018	A. Newman, DO (R)	Book Chapters: Bologna/Wolverton	1.5	<b>B. Blumetti, DO (F)</b>
	M. Manway, DO (R)	Book Chapters: Spitz	1.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.3	
2/26/2018	A. Newman, DO (R)	Book Chapters: Wolverton	1.0	<b>R. Averitte, MD (F)</b> <b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	3.0	
	M. Manway, DO (R)	Book Chapters: Spitz	1.0	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
	Steve Ferraro, MD	Nephrology	2.0	
3/5/2018	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	2.0	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	2.0	
3/12/2018	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna/Board Review	4.0	

	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
3/19/2018	A. Newman, DO (R)	Book Chapters: Bologna/Wolverton	3.0	<b>J. Barr, DO (F)</b>
	<b>B. Blumetti, DO (F)</b>	Vasculitis	1.0	
	M. Manway, DO (R)	Book Chapters: Bologna/Spitz	3.0	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
4/2/2018	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>B. Blumetti, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna/Board Review	3.5	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	2.0	
4/9/2018	A. Newman, DO (R)	Book Chapters: Wolverton	0.5	<b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna/Board Review	3.5	
	M. Manway, DO (R)	Book Chapters: Spitz	0.5	
	Michelle Jones, PharmD	Dermatological Pharmaceuticals	1.0	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.3	
4/16/2018	Andrea Schneider, MSIV	Vitiligo	1.0	D. Mullens, DO (R) supervised MSIV
	D. Mullens, DO (R)	Book Chapters: Bologna/Wolverton/Spitz	2.5	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
	Zinnia Daas, MSIV	cutaneous leiomyoma	0.8	
4/23/2018	Charlotte Shoff	Media Training	2.5	<b>G. Egnatios, MD (F)</b> <b>J. Barr, DO (F)</b>
	D. Mullens, DO (R)	Book Chapters: Bologna	2.5	
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.5	
4/30/2018	D. Mullens, DO (R)	Book Chapters: Bologna	3.5	<b>J. Barr, DO (F)</b>
	M. Manway, DO (R)	Book Chapters: Wolverton/Spitz	2.0	
5/7/2018	D. Mullens, DO (R)	Book Chapters: Bologna/Wolverton/Spitz	5.0	<b>J. Barr, DO (F)</b>
	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review		
5/21/2018	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	<b>J. Barr, DO (F)</b> <b>G. Egnatios, MD (F)</b>
6/4/2018	<b>N. Kazi, MD (F)</b>	Dermatopathology Slide Review	1.0	
6/11/2018	<b>G. Egnatios, MD (F)</b>	Dermoscopy	2.0	
	<b>S. Estrada, MD (F)</b>	Dermatopathology Slide Review	1.0	
	Dr. Hull	Research	1.0	
6/25/2018	<b>Dr. Priya Radhakrishnan (DIO)</b>	Healthcare Disparities	1.0	
	Lawrence Taylor	Finances in Healthcare	1.0	

**Key**

**Bold Name, Credentials (F) = Faculty**