

FINAL PROGRAM

www.MohsCollege.org/AnnualMeeting

ACMS American College
of Mohs Surgery



51st ANNUAL MEETING
BALTIMORE



THURSDAY, MAY 2



SUNDAY, MAY 5, 2019



Please join us for a presentation on



DATE Thursday, May 2, 2019

TIME 12:00-1:00 PM

LOCATION Baltimore Marriott Waterfront
Salon B in Harborside Ballroom



Jae Yeon Jung, MD, PhD

*Sponsored by
Regeneron Pharmaceuticals and Sanofi Genzyme*

Visit booth 102 to learn more.

REGENERON | **SANOFI GENZYME**

© 2019 Regeneron Pharmaceuticals, Inc., and sanofi-aventis U.S. LLC. All rights reserved. US-LIB-1508 03/19



Sharpoint **PLUS**
Surgical Sutures

Try it FREE. The New Sharpoint Suture

Our Sharpoint Sutures are available in absorbable and non-absorbable materials. **Buy direct from us and save 50%** versus comparable brands.

**SURGICAL
SPECIALTIES**
CORPORATION™

SHARPOINT.COM
SURGICALSPECIALTIES.COM

VISIT BOOTH #301 to receive a FREE trial of Sharpoint

Surgical Specialties Corporation, 247 Station Drive, Suite NE1, Westwood, MA 02090, U.S.A. All trademarks are property of their respective owners. © 2019 Surgical Specialties Corporation.

Table of Contents

| | |
|--|----|
| ACMS 2018-19 Officers and Board of Directors | 2 |
| ACMS Committees 2018-19 | 3 |
| Welcome from the President | 4 |
| Welcome from the Program Chair | 4 |
| Program at a Glance | 6 |
| Special Events | 8 |
| Meeting Information..... | 9 |
| Hotel & Travel Information | 10 |
| WiFi Connection Instructions | 10 |
| Baltimore Marriott Waterfront Floor Plan | 11 |
| CME Information and Learning Objectives | 12 |
| Annual Meeting Mobile App | 13 |
| Guest Speaker Biographies | 17 |
| Invited Faculty and Guest Speakers | 18 |
| Pre-Conference Workshops – Wednesday, May 1 | 20 |
| Scientific Program – Thursday, May 2 | 21 |
| Scientific Program – Friday, May 3 | 24 |
| Scientific Program – Saturday, May 4 | 27 |
| Scientific Program – Sunday, May 5..... | 31 |
| Poster Presentation List | 34 |
| Exhibit Hall Floor Plan | 39 |
| Thank You to Our Sponsors | 40 |
| Exhibitor Listing | 41 |
| Speaker Index..... | 48 |
| Notes..... | 52 |



American College
of Mohs Surgery

*Fellowship trained skin cancer
and reconstructive surgeons*

© 2018-19

American College of Mohs Surgery

No part of this publication may be reproduced without the prior written permission of the ACMS.

Photos courtesy of Baltimore Marriott Waterfront and iStock.

American College of Mohs Surgery

555 East Wells Street, Suite 1100

Milwaukee, WI 53202

Phone: (414) 347-1103

(800) 500-7224

Fax: (414) 276-2146

Email: info@mohscollege.org

Website: www.MohsCollege.org

www.SkinCancerMohsSurgery.org

ACMS 2018-19 Officers and Board of Directors

Officers



Barry Leshin, MD, FACMS
Winston-Salem, NC
President



Elizabeth M. Billingsley, MD, FACMS
Hershey, PA
Vice President



Glenn D. Goldman, MD, FACMS
Burlington, VT
Secretary/Treasurer



Allison T. Vidimos, MD, RPh, FACMS
Cleveland, OH
Immediate Past President

Board of Directors



Sarah T. Arron, MD, PhD, FACMS
San Francisco, CA



Christian L. Baum, MS, MD,
FACMS
Rochester, MN



Jeremy S. Bordeaux, MD, MPH,
FACMS
Shaker Heights, OH



Jerry D. Brewer, MD, FACMS
Rochester, MN



Scott A. B. Collins, MD, FACMS
Tigard, OR



Nathaniel J. Jellinek, MD,
FACMS
East Greenwich, RI



Ian A. Maher, MD, FACMS
Minneapolis, MN



Christopher J. Miller, MD,
FACMS
Philadelphia, PA



Howard W. Rogers, MD, PhD,
FACMS
Norwich, CT



Thomas S. Bander
(Fellow-in-Training Board
Observer, non-voting)
New York, NY



Thomas Stasko, MD, FACMS
(Board Historian, non-voting)
Oklahoma City, OK

Scientific Program Committee

Sarah T. Arron, MD, PhD, FACMS, Chair
San Francisco, CA

Thuzar M. Shin, MD, PhD, FACMS, Co-Chair
Philadelphia, PA

Barry Leshin, MD, FACMS
Winston-Salem, NC

Elizabeth M. Billingsley, MD, FACMS
Hershey, PA

Glenn D. Goldman, MD, FACMS
Burlington, VT

John A. Carucci, MD, PhD, FACMS, Ex-Officio
New York, NY

ACMS Staff – Milwaukee, WI

Mary Riordan, Executive Director

Vanessa Goodman, Membership and Communications Manager

Brett Kell, MSM, Senior Communications and Membership Manager

Susan Lathrop, Education Manager

Tammy O'Connell, CEHRS, Administrative Manager, National Registry and Quality

Mario Ortiz, Meetings Manager

Dustin Syrjanen, Administrative Coordinator

Emily Thurow, CAP, Administrative Manager to the Leadership

ACMS Committees 2018-19

Bylaws Committee

Whitney D. Tope, MPhil, MD, FACMS, Chair

CME & Education Committee

Jeremy S. Bordeaux, MD, MPH, FACMS, Chair

Diagnostic Quality Control & Teaching Library Committee

Bryan T. Carroll, MD, PhD, FACMS, Chair

Ethics Committee

Phillip M. Williford, MD, FACMS, Chair

Finance and Investment Committee

William P. Davey, MD, MBA, FACMS, Chair

Frederic E. Mohs Award Committee

Clark C. Otley, MD, FACMS, Chair

Grievance Committee

Randall K. Roenigk, MD, FACMS, Chair

Membership Committee

Elizabeth M. Billingsley, MD, FACMS, Chair

National Registry and Outcomes Committee

Howard W. Rogers, MD, PhD, FACMS, Chair

Newsletter Committee

Allison T. Vidimos, MD, RPh, FACMS, Chair

Nominating Committee

John G. Albertini, MD, FACMS, Chair

Physician Engagement Council

John G. Albertini, MD, FACMS, Chair

Communications & Public Relations Committee

Maral K. Skelsey, MD, FACMS, Chair

Private Sector Advocacy Committee

Howard W. Rogers, MD, PhD, FACMS

Public Policy Committee

Brent R. Moody, MD, FACMS, Chair

Scientific Program Committee

Sarah T. Arron, MD, PhD, FACMS, Chair

Slide Quality Review Committee

Frederick S. Fish, III, MD, FACMS, Chair

Tromovitch Award Committee

Justin J. Leitenberger, MD, FACMS, Chair

Site Inspection & Slide Review Board, LLC (An ACMS subsidiary)

Fellowship Training Committee

Christopher J. Arpey, MD, FACMS, Chair



Listen & Subscribe

RSS, iTunes or Google Play

www.mohscollege.org/podcast

Episode 6: Dr. Shlomo Koefman

Suboptimal Outcomes in Cutaneous Squamous Cell Cancer of the Head and Neck with Nodal Metastasis

Episode 5: Dr. Christopher Miller

Melanomas of the head and neck have high local recurrence risk features and require tissue rearranging reconstruction more commonly than BCC and SCC: A comparison of indications for microscopic margin control prior to reconstruction in 13,664 tumors and The "Rule of 10s" versus the "Rule of 2s": High complication rates after conventional excision with postoperative margin assessment of specialty site versus trunk and proximal extremity melanomas

Episode 4: Dr. Gerardo Marrazzo

Clinical Outcomes in High-Risk Squamous Cell Carcinoma Patients Treated with Mohs Micrographic Surgery Alone

Episode 3: Dr. Sarah Arron

Association of Postoperative Antibiotics With Surgical Site Infection in Mohs Micrographic Surgery

Episode 2: Dr. Jonathan Lopez

Opioid Prescribing for Acute Postoperative Pain After Cutaneous Surgery

Episode 1: Dr. Jeremy Bordeaux

Retrospective Evaluation of the Safety of Large Skin Flap, Large Skin Graft, and Interpolation Flap Surgery in the Outpatient Setting

Welcome from the President

Dear Colleagues,

On behalf of the Board of Directors, welcome to Baltimore for the College's 51st Annual Meeting. The time we spend together over the next few days further develops not only our surgical skills but also our body of knowledge, and renews our commitment to providing the best care for our patients. Also, the meeting allows us to reconnect with colleagues, recharge our minds, and re-engage with the important and timely issues facing our practices and our specialty.

My deepest thanks to Dr. Sarah Arron, the Chair of the Scientific Program Committee, for creating another outstanding and comprehensive meeting program that will expand and deepen your knowledge of Mohs surgery and reconstruction, patient outcomes, practice management, and more.

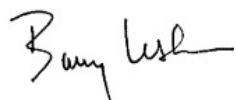
Thanks also go to Dr. Jeremy Bordeaux and the CME and Education Committee for their time and contributions. Throughout the meeting you will be able to interact with industry exhibitors and sponsors to learn how the resources, equipment, services and information they provide can benefit your practice.

In addition to the educational content of the meeting, you will find opportunities to celebrate at several social events. It is my honor and pleasure to invite you to the President's Reception taking place Saturday evening right across the street at the Four Seasons Hotel, where we hope to recapture the warmth and energy we experienced at last year's gala.

I wish to acknowledge and thank our Executive Director Mary Riordan and the entire ACMS staff for their tireless work planning the details to make the Annual Meeting a seamless and enjoyable event.

Let's make the most of our time together.

Sincerely,



Barry Leshin, MD, FACMS
2018-19 ACMS President



Welcome from the Program Chair

Dear Colleagues,

Welcome to Baltimore! I'm glad you're here, and I encourage you to find some time to explore the Inner Harbor, the surrounding neighborhoods, and all that Charm City has to offer. Inside these walls, the Scientific Program Committee has crafted an enriching program that focuses on a broad range of topics relevant to our practice. Some highlights include:



- The popular Morning Mini-Sessions will cover diverse topics such as flaps and grafts, Mohs lab operations, opioid prescribing, Merkel Cell carcinoma, and much more.
- By popular request, reconstruction panels will focus on a 'step by step' approach and feature more videos than ever.
- We will highlight seven outstanding guest speakers:
 - Keynote speaker Dr. Leonard D'Avolio will headline a mini-symposium on Information and Innovation. Dr. D'Avolio will discuss the use of machine learning and clinical informatics to improve patient care in a constantly changing healthcare environment.
 - 'Focus on the Eye' will start with an anatomy overview by Dr. Nirusha Lachman. Dr. Nicholas Mahoney will discuss computer-assisted design for periocular reconstruction and Dr. M. Reza Vagefi will share an oculoplastic approach to eyelid reconstruction.
 - In 'Focus on Multidisciplinary Care,' Dr. Scott Strome and Dr. Mohan Suntha will update us on immunotherapy and radiation therapy. Dr. Strome, Dr. Suntha, and Dr. Petr Hauser will offer perspectives as part of a multidisciplinary tumor board.
- Plenary sessions will feature engaging content on a variety of topics, including basic and advanced reconstruction, pathology and immunohistochemistry, rare and high-risk skin cancers, and much more.

Thank you to Dr. Leshin, the Scientific Program Committee, CME & Education Committee, staff, and others who have contributed so much of their experience and effort toward plan this meeting. Please engage your colleagues, enjoy yourselves, and endeavor to take what you've learned here back to your practices in continued service to our patients.

Sincerely,



Sarah T. Arron, MD, PhD, FACMS
Chair, 2019 Scientific Program Committee



George Tiemann & Co.

Surgical Instruments • Since 1826

Supercut Tungsten Carbide Scissors

The Tiemann Supercut Tungsten Carbide Scissors combine the hardness of the Tungsten Carbide and the sharpness of the Supercut scissors.



105-0930

Zitelli Supercut & Tungsten Carbide, curved, delicate, sharp tips, serrated edge 4 1/2"

105-0931

Zitelli Supercut & Tungsten Carbide, straight, delicate, sharp tips, serrated edge 4 1/2"



105-407SC-TC

Iris Supercut & Tungsten Carbide, serrated edge, 4 1/2" curved

105-540SC-TC

Supercut & Tungsten Carbide Baby Metz, curved, serrated 4 1/2"



105-580SC-TC

Supercut & Tungsten Carbide, Stevens Tenotomy, curved, blunt 4 1/2"

"These scissors are like Goldilocks - not too big not too small - just right! I like sharp tips to initiate undermining. I like straight blades to undermine and elevate even thickness flaps. I like the strong blades that can handle scar tissue, yet small enough for fine work. Finally, I like how they are sharp and stay sharp."

- John Zitelli, M.D.

Program at a Glance

| Wednesday, May 1 | | |
|---------------------|---|--|
| 8:00 am – 5:00 pm | Fellows-in-Training Hands-on Cutaneous Flap Workshop | Dover A-C/Level 3 |
| 1:00 – 4:00 pm | Hand & Nail Workshop (<i>Offsite; see p. 20 for details</i>) | |
| 1:00 – 6:00 pm | Registration Desk open; Presentation Upload Kiosks available | Grand Registration/Level 3 |
| 6:00 – 8:00 pm | Fellows-in-Training Mohs Surgery Histotechnology and Lab Set Up Workshop | Laurel A-B/Level 4 |
| Thursday, May 2 | | |
| 6:30 am – 5:00 pm | Registration Desk open; Presentation Upload Kiosks available | Grand Registration/Level 3 |
| 7:00 – 8:15 am | Concurrent Morning Mini-Sessions: 103.1 Step by Step: Scar Revision (1.25 Credit Hours) 103.2 Step by Step: Tunneled Flaps (1.25 Credit Hours) ♦ 103.3 Public Policy Update 2019 (1.25 Credit Hours) 103.4 Immunohistochemistry for Mohs: Melanoma and Beyond (1.25 Credit Hours) 103.5 Transplant Update (1.25 Credit Hours) | Grand Salon 1-2/Level 3 Grand Salon 3-4/Level 3 Essex A/Level 4 Dover A-C/Level 3 Galena/Level 4 |
| 8:30 – 9:00 am | Welcome & AAD Update (0.50 Credit Hour) | Grand Ballroom/Level 3 |
| 9:00 – 9:45 am | Literature Review (0.75 Credit Hour) | Grand Ballroom/Level 3 |
| 9:30 am – 7:30 pm | Exhibit Hall open | Harborside Ballroom/Level 4 |
| 9:45 – 10:00 am | Break (<i>CME Not offered</i>) | Harborside Ballroom/Level 4 |
| 10:00 – 11:00 am | Tromovitch Award Abstract Session (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 11:00 am – 12:00 pm | Step by Step: Lip Reconstruction (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 12:00 – 1:00 pm | Networking Lunch (<i>provided</i>) (<i>CME Not offered</i>) | Harborside Ballroom/Level 4 |
| 1:00 – 2:00 pm | Rare Tumors: AFX, EMPD, DFSP (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 2:00 – 2:45 pm | Mohs for Melanoma (0.75 Credit Hour) | Grand Ballroom/Level 3 |
| 2:45 – 3:00 pm | Break (<i>CME Not offered</i>) | Harborside Ballroom/Level 4 |
| 3:00 – 4:00 pm | Clinical Pearls Abstract Session (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 4:00 – 5:00 pm | Video Reconstruction: Advancement and Rotation Flaps (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 5:30 – 7:30 pm | Exhibit Hall Grand Opening & Welcome Reception (<i>CME Not offered</i>) | Harborside Ballroom/Level 4 |
| Friday, May 3 | | |
| 6:30 am – 5:00 pm | Registration Desk open; Presentation Upload Kiosks available | Grand Registration/Level 3 |
| 7:00 – 8:15 am | Concurrent Morning Mini-Sessions: 202.1 Step by Step: Interpolation Flaps for Nasal Reconstruction (1.25 Credit Hours) ♦ 202.2 Surgical Safety (1.25 Credit Hours) 202.3 Anticoagulation and Bleeding (1.25 Credit Hours) 202.4 Running Your Mohs Lab: QI, QC, CLIA, CAP (1.25 Credit Hours) ♦ 202.5 Secrets to Successful Skin Grafts (1.25 Credit Hours) | Grand Salon 1-2/Level 3 Galena/Level 4 Essex A-B/Level 4 Dover A-B/Level 3 Grand Salon 3-4/Level 3 |
| 8:30 – 9:15 am | Step by Step: Auricular Reconstruction (0.75 Credit Hour) ♦ | Grand Ballroom/Level 3 |
| 9:15 – 9:45 am | Management of High Risk Cutaneous Squamous Cell Carcinoma (0.50 Credit Hour) | Grand Ballroom/Level 3 |
| 9:30 am – 6:30 pm | Exhibit Hall open | Harborside Ballroom/Level 4 |
| 9:45 – 10:00 am | Break (<i>CME Not offered</i>) | Harborside Ballroom/Level 4 |
| | FOCUS ON INNOVATION | |
| 10:00 – 11:00 am | Information and Innovation in Cutaneous Oncology (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 11:00 am – 12:00 pm | Putting the Learning Back in Machine Learning (1.00 Credit Hour) <i>Guest Speaker: Leonard D'Avolio, PhD</i> | Grand Ballroom/Level 3 |
| 12:15 – 2:00 pm | ACMS Annual Business Meeting & Lunch (<i>Non-CME Session</i>) Non-members and guests: lunch on your own; visit the Exhibit Hall | Grand Ballroom/Level 3 |
| 2:00 – 2:15 pm | Fellow-in-Training Clinicopathologic Case Competition Award Winner (0.25 Credit Hour) | Grand Ballroom/Level 3 |
| 2:15 – 3:15 pm | Digital Diagnostic Quality Control Exam Review (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 3:15 – 3:30 pm | Break (<i>CME Not offered</i>) | Harborside Ballroom/Level 4 |

♦ Represents advanced expertise level course

Program at a Glance

| | | |
|------------------------|--|--|
| Friday, May 3 | | |
| 3:30 – 4:30 pm | Scientific Abstract Session (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 4:30 – 5:15 pm | Video Reconstruction: Transposition Flaps (0.75 Credit Hour) ♦ | Grand Ballroom/Level 3 |
| 5:30 – 6:30 pm | Program Directors' Session (Non-CME Session) | Grand Salon 1-2/Level 3 |
| 6:30 – 8:00 pm | Fellows-in-Training Reception (CME Not offered) | Waterview Ballroom/Level 1 |
| Saturday, May 4 | | |
| 6:30 am – 4:00 pm | Registration Desk open; Presentation Upload Kiosks available | Grand Registration/Level 3 |
| 7:00 – 8:15 am | Concurrent Morning Mini-Sessions: 302.1 Step by Step: Reconstruction Involving Multiple Cosmetic Subunits (1.25 Credit Hours) ♦ 302.2 Mohs on the Hands and Feet (1.25 Credit Hours) ♦ 302.3 Pain Control and Opioid Prescribing (1.25 Credit Hours) 302.4 Mohs on the Genitalia (1.25 Credit Hours) ♦ 302.5 Merkel Cell Carcinoma Update (1.25 Credit Hours) | Grand Salon 1-2/Level 3 Grand Salon 3-4/Level 3 Dover A-C/Level 3 Essex A-B/Level 3 Galena/Level 3 |
| 8:30 – 9:15 am | Step by Step: Nasal Reconstruction (0.75 Credit Hour) | Grand Ballroom/Level 3 |
| 9:15 – 10:00 am | Slippery Slides: Artifacts, Mimickers, and Challenges in Frozen Sections (0.75 Credit Hour) ♦ | Grand Ballroom/Level 3 |
| 9:30 am – 2:00 pm | Exhibit Hall open | Harborside Ballroom/Level 4 |
| 10:00 – 10:15 am | Break (CME Not offered) | Harborside Ballroom/Level 4 |
| | FOCUS ON MULTIDISCIPLINARY CARE | |
| 10:15 – 11:00 am | Skin Cancer Update: Multidisciplinary Perspective (0.75 Credit Hour) Guest Speakers: Mohan Suntha, MD, MBA & Scott E. Strome, MD | Grand Ballroom/Level 3 |
| 11:00 am – 12:00 pm | Multidisciplinary Tumor Board (1.00 Credit Hour) Guest Panelists: Mohan Suntha, MD, MBA, Scott E. Strome, MD, & Petr F. Hausner, MD, PhD | Grand Ballroom/Level 3 |
| 12:00 – 1:00 pm | Lunch in the Exhibit Hall (CME Not offered) | Harborside Ballroom/Level 4 |
| | FOCUS ON THE EYE | |
| 1:00 – 1:30 pm | Eyelid and Orbital Anatomy (0.50 Credit Hour) Guest Speaker: Nirusha Lachman, PhD | Grand Ballroom/Level 3 |
| 1:30 – 1:45 pm | Computer-Assisted Design for Periocular Reconstruction (0.25 Credit Hour) Guest Speaker: Nicholas R. Mahoney, MD | Grand Ballroom/Level 3 |
| 1:45 – 2:30 pm | Oculoplastic Approach to Eyelid Reconstruction (0.75 Credit Hour) Guest Speaker: M. Reza Vagefi, MD | Grand Ballroom/Level 3 |
| 2:30 – 3:15 pm | How Would You Reconstruct This Eyelid? (0.75 Credit Hour) ♦ Guest Panelists: Nicholas R. Mahoney, MD & M. Reza Vagefi, MD | Grand Ballroom/Level 3 |
| 3:15 – 3:30 pm | Break (CME Not offered) | Harborside Ballroom/Level 4 |
| 3:30 – 4:30 pm | Rapid Pearl Abstract Session (1.00 Credit Hour) | Grand Ballroom/Level 3 |
| 4:30 – 5:15 pm | Defining Quality in Mohs Surgery (0.75 Credit Hour) | Grand Ballroom/Level 3 |
| 6:30 – 9:30 pm | President's Reception (CME Not Offered) | Four Seasons, Cobalt Room/Level 2 |
| Sunday, May 5 | | |
| 7:00 – 10:00 am | Presentation Upload Kiosks available | Grand Ballroom/Level 3 |
| 8:30 – 9:15 am | Controversies in Mohs Surgery (0.75 Credit Hour) | Grand Ballroom/Level 3 |
| 9:15 – 10:00 am | Case-Based Coding (0.75 Credit Hour) | Grand Ballroom/Level 3 |
| 10:00 – 11:00 am | Video Reconstruction: Advanced Flaps (1.00 Credit Hour) ♦ | Grand Ballroom/Level 3 |
| 11:00 am – 12:00 pm | MOC Self-Assessment: Procedural Dermatology (Non-CME Session) | Grand Ballroom/Level 3 |

♦ Represents advanced expertise level course

Special Events

Thursday, May 2

5:30 – 7:30 pm • Exhibit Hall Grand Opening & Welcome Reception

Harborside Ballroom/Level 4

Don't miss this chance to relax and unwind with colleagues. Hors d'oeuvres and beverages will be provided for your enjoyment.

Friday, May 3

7:00 – 8:30 am • ACGME Independent Training Directors Meeting

James/Level 4

Discuss the latest ACGME rule changes relevant to independent and non-institutionally-based training programs. (no entry fee)

12:15 – 2:00 pm • ACMS Annual Business Meeting & Lunch

Grand Ballroom/Level 3

ACMS members are encouraged to attend the annual membership business meeting and lunch. This important meeting brings members up-to-date on issues of significance. The winners of the prestigious Frederic E. Mohs Award and Distinguished Service Award will be announced.

6:00 – 7:30 pm • American Academy of Dermatology Association (AADA) SkinPAC Member Reception

Essex B-C/Level 4

(Private Event)

7:00 – 9:00 pm • Zitelli and Brodland Fellows Reception

Raven/Level 1

Cocktail reception for all previous fellows of Drs. Zitelli and Brodland. (no entry fee)

Friday, May 3

6:30 – 8:00 pm • Reception Introducing Fellows-in-Training

Waterview Ballroom/Lobby Level

Exclusively for ACMS & ACGME program directors and current fellows-in-training, this event offers the opportunity to network and socialize with each other and congratulate the fellows-in-training on their upcoming graduation. The winner of the Tromovitch Award will be announced and hors d'oeuvres and beverages will be provided.

Saturday, May 4

7:00 – 8:00 am • Women's Dermatologic Society Networking Breakfast & Panel Discussion

Waterview Ballroom/Level 1

Open to all WDS Members and ACMS Meeting attendees, this breakfast will offer an opportunity to network with dermatologists at all levels in their careers. Breakfast will be provided. WDS Members: \$40; Residents: \$35; Non-Members: \$45. For details, contact the WDS at wds@womensderm.org.

11:45 am – 1:30 pm • American Society of Dermatological Surgeons (ASDS) Committee Forum

Iron/Level 4 (Private Meeting)

12:00 – 1:00 pm • VA Mohs Surgeons Luncheon

Essex C/Level 4

Network with other Mohs surgeons working on the VA system. (no entry fee)

5:30 – 6:30 pm • Association of Professors of Dermatology (APD), Dermatologic Surgery Section Reception

Raven/Level 1

Networking, committee updates and informal presentations. (no entry fee)

6:30 – 9:30 pm • President's Reception

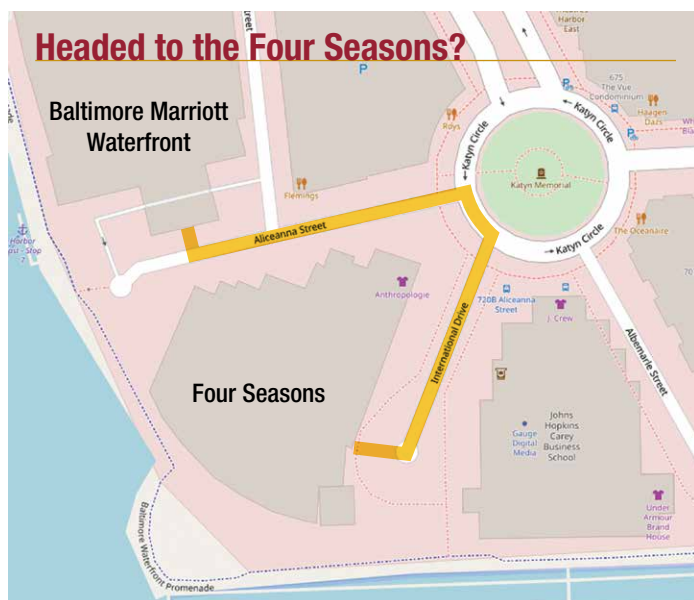
Four Seasons Hotel Baltimore, Cobalt Room, Level 2

Join colleagues to enjoy live music, cocktails, food stations and hors d'oeuvres while overlooking the Inner Harbor and marina. A limited number of tickets will be available for purchase on site at the ACMS Registration Desk until 4:00 pm on Saturday, May 4.

Sunday, May 5

11:00 am – 12:00 pm • MOC Self-Assessment Session: Procedural Dermatology

The ACMS is offering an MOC Self-Assessment, which satisfies a portion of the self-assessment module of Component 2 in Maintenance of Certification with the American Board of Dermatology (ABD). Participants must complete the MOC Credit Form, available in the session on Sunday and return it to the ACMS Registration Desk. You must also update your ABD MOC tables to reflect the credits available for the session. Note: If you claimed MOC credits for 'MOC: Procedural Dermatology' at the 2015 or 2016 ACMS Annual Meeting, you cannot claim MOC credits for 'MOC: Procedural Dermatology', at the 2019 Annual Meeting.



Meeting Information

On-Site Registration

The Registration Desk will be open at the Baltimore Marriott Waterfront on the following days and times (*subject to change*):

Wednesday, May 1: 1:00 – 6:00 pm
Thursday, May 2: 6:30 am – 5:00 pm
Friday, May 3: 6:30 am – 5:00 pm
Saturday, May 4: 6:30 am – 4:00 pm

Photography and Recording Policy

Photography or video or audio recording of sessions, materials presented in sessions, or exhibits without express written permission from the ACMS is strictly prohibited. Any photos, video or audio taken by or on behalf of the ACMS of the meeting activities and attendees shall be property of the ACMS.

There will be a professional photographer onsite documenting the meeting and social events. By attending the meeting, you agree to be photographed. Photos may be used in future promotional materials, ACMS publications, websites and social media, or other formats controlled by the ACMS.

Restriction on Minors

Children under 18 years of age are NOT permitted to enter the Exhibit Hall at any time during the meeting. This restriction includes installation, exhibition and dismantling hours. If children are present, they will be required to leave the hall immediately.

Use of Mobile Devices

Mobile devices including phones, tablets or other electronics may be used during sessions to access the Annual Meeting mobile app; however, please ensure these devices are silenced.

Regeneron Product Theater: An Immunotherapy Treatment Option for Patients with Advanced Cutaneous Squamous Cell Carcinoma

Thursday, May 2
12:00 – 1:00 pm

(Food & beverage provided; no entry fee)

Exhibit Hall: Harborside Ballroom/Level 4

Cutaneous squamous cell carcinoma (CSCC) is one of the most common cancers worldwide and continues to increase in incidence. Advanced CSCC can be particularly aggressive and has historically had limited treatment options. Come learn about the first and only FDA-approved treatment option for your patients with advanced cutaneous squamous cell carcinoma. This program will cover the mechanism of action, clinical efficacy and safety data, patient eligibility, dosage and administration, and patient support resources for a PD-1 inhibitor approved for patients with metastatic CSCC or locally advanced CSCC that are not candidates for curative surgery or curative radiation.

Annual Meeting Mobile App

In addition to responding to in-session live polls, attendees are strongly encouraged to complete evaluations for the sessions they attended. This can also be done quickly and easily via the meeting app, from your mobile device, laptop or desktop:

1. **Go to the Annual Meeting app: www.eventmob.com/app/acms19 (see p. 13 for directions and screen shots on how to add the app icon to your home screen for quick access)**
2. Tap Program, then tap a session you attended (select sessions by date using the date menu bar at the top of the screen). The short session evaluation is located under the Session Feedback heading, below the speakers and description for that session.
3. For each question, tap your response and tap 'Submit' to advance to the next question. Repeat for as many sessions as you attended.

The ACMS needs this feedback for ACCME accreditation purposes, and evaluation results are used in planning for next year's meeting. Your feedback is appreciated.

Lost & Found

Please notify staff at the ACMS Registration Desk if you have lost or found an item during the course of the meeting.

Special Needs

The ACMS wishes to ensure that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently than other individuals because of auxiliary aids and/or service(s). If you need an auxiliary aid or service(s) identified in the Americans with Disabilities Act, or if you have any health issues for which you may require special accommodations or assistance, please notify the ACMS staff at the Registration Desk.

Policy on Pets and Service Animals

The ACMS prohibits pets in any meeting spaces, with the exception of service animals providing Americans with Disabilities Act (ADA) reasonable accommodations for a person with disabilities. According to the ADA, a service animal is defined as "any animal individually trained to work or perform tasks for the benefit of an individual with a disability, including, but not limited to, guiding individuals with impaired vision, alerting individuals to an impending seizure or protecting individuals during one, and alerting individuals who are hearing impaired to intruders, or pulling a wheelchair and fetching dropped items."

Attendees may be asked to provide proof of service animal status and/or licensure. Service animals must wear an owner identification tag (which includes the name and phone number of the owner) at all times. Animals must be on a leash, harness or other type of restraint at all times, unless the owner/partner is unable to retain an animal on leash due to a disability. The owner must be in full control of the animal at all times. The care and supervision of the animal is solely the responsibility of the owner/partner.

Hotel & Travel Information



Baltimore Marriott Waterfront

700 Aliceanna Street, Baltimore, MD 21202
(410) 385-3000

Hotel website link available on the Registration/Hotel tab of www.mohscollege.org/annualmeeting

Check-in time: 3:00 pm; Check-out time: 12:00 pm
Early check-in and late check-out are subject to availability and approval.

Four Seasons Hotel Baltimore

200 International Drive, Baltimore, MD 21202
(404) 576-5800
www.fourseasons.com/baltimore

Check-in time: 3:00 pm; Check-out time: 12:00 pm
Early check-in and late check-out are subject to availability and approval.

Airports

Baltimore/Washington International Thurgood Marshall Airport (BWI)
(12 miles from Marriott Waterfront)

Ronald Reagan Washington National Airport (OCA)
(61 miles West from Marriott Waterfront)

Washington Dulles International Airport (IAD)
(52 miles from Marriott Waterfront)

Transportation from Airports

Neither the Marriott Waterfront, nor the Four Seasons provide airport shuttle service. For information on transportation options including taxi, third-party shuttle, car service or rental, rail, bus, and more, visit the BWI Transportation page at www.bwiairport.com/to-from-bwi/transportation

Marriott Waterfront Parking

Marriott self-parking (garage): \$8.50 hourly/\$26 daily; Valet: \$45 daily
(Rates exclude tax, prices subject to change)

Four Seasons Parking

Self-parking (garage): \$8 hourly/\$23 daily; Valet daily/overnight: \$46
(Rates exclude tax, prices subject to change)

Baltimore Weather

During early May: Average high: 76°F; Average low: 58°F

WiFi Connection Instructions

To access the Internet in meeting spaces:

1. Go to the wireless settings on your device.
2. Join the wireless network named **Mohs2019**
3. When prompted for a password/WPA2 key, enter **fredmohs**



The complimentary wireless service available in guest rooms uses a different network and password than noted above for the meeting spaces.



Professional Headshots

Available FREE to all meeting attendees (optional). On Saturday, May 4 from 12:00-2:00 pm in the Exhibit Hall, professional headshots will be taken by our photographer. All photos will be taken on a first-come, first-served basis until 2:00 pm.

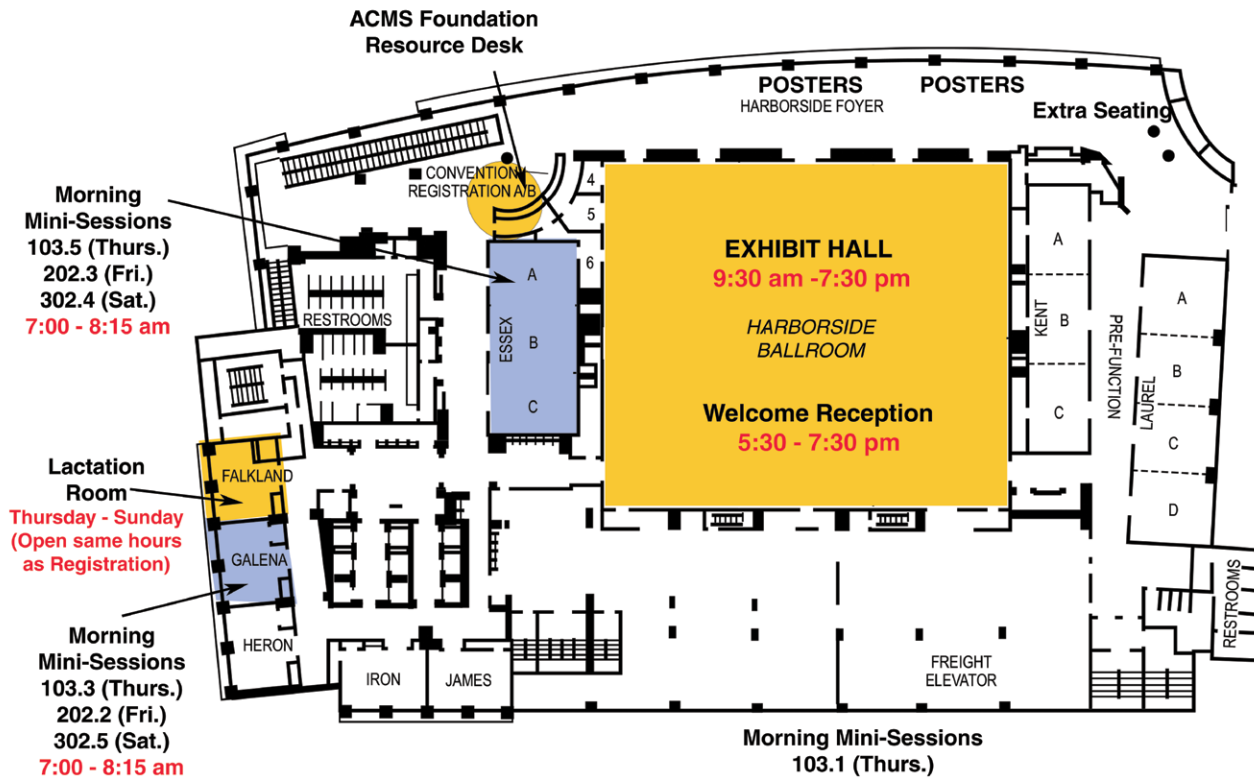
Whitelist info@mohscollege.org

To ensure you receive important communications from the ACMS including information regarding the Annual Meeting, messages from the President, the Membership Bulletin, member surveys and more, add info@mohscollege.org to the Safe Senders list in your email account. If you think you may not have received messages from the ACMS, check your Spam or Junk Mail folder and 'whitelist' info@mohscollege.org right away!

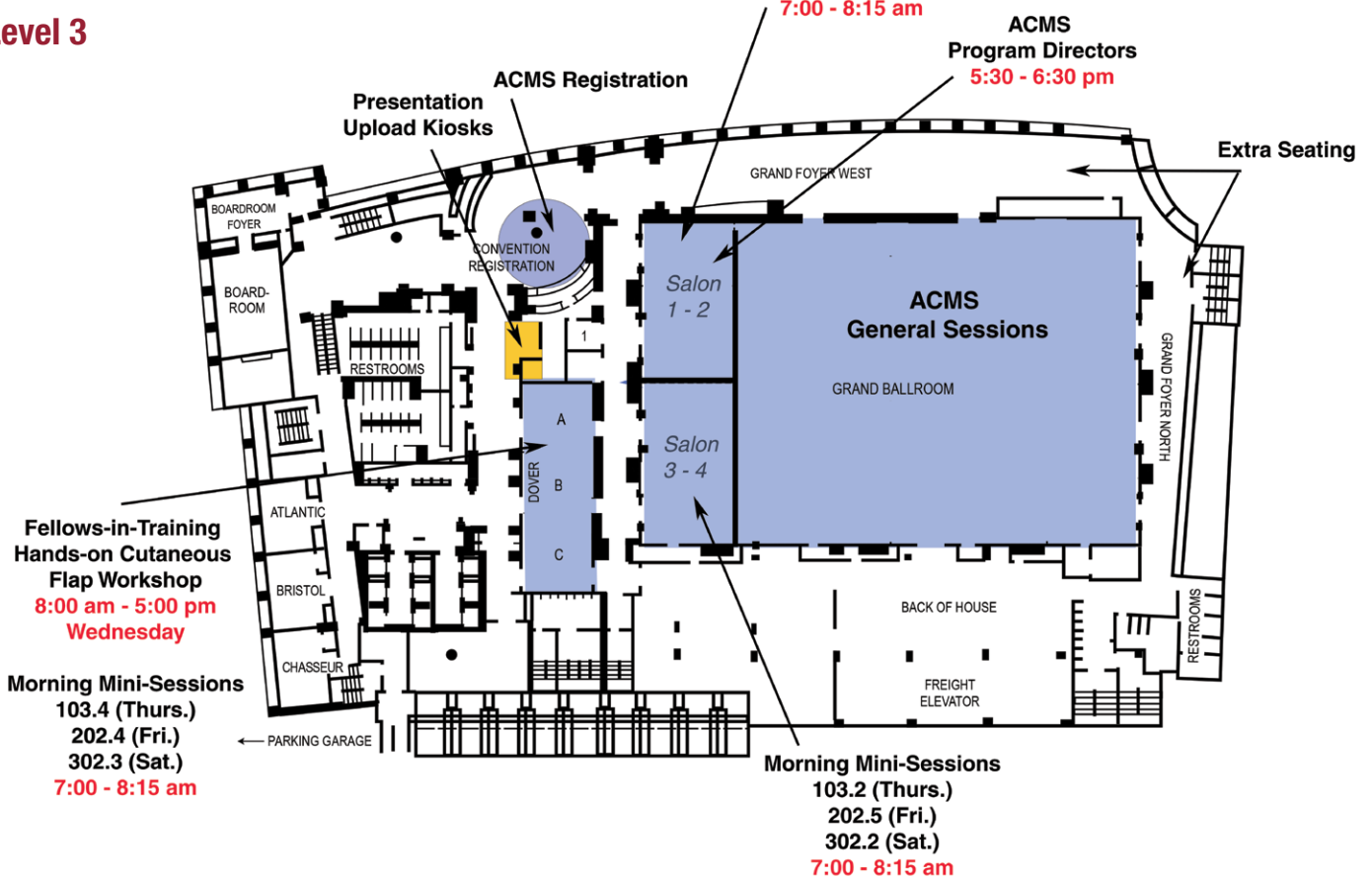


Baltimore Marriott Waterfront Floor Plan

Level 4



Level 3



CME Information and Learning Objectives

Accreditation Statement

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the sponsorship of the American College of Mohs Surgery (ACMS). The ACMS is accredited by the ACCME to provide continuing medical education for physicians.

Credit Designation Statement

The ACMS designates this live activity for a maximum of 26.75 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Physician Assistant Credit

The American Academy of Physician Assistants (AAPA) accepts *AMA PRA Category 1 Credit(s)*[™] from organizations accredited by the ACCME. Physician Assistants attending the Annual Meeting can submit certificates or transcripts showing how many physician CME credits were offered for an activity to the AAPA and get them “converted” to PA CME credit. The AAPA also grants and counts *AMA PRA Category 1 Credit(s)*[™], but those are specifically for PAs and have to come from a provider accredited by the AAPA. Both groups label their credits Category 1 CME, but the labels, though they read the same, refer to different evaluations.

Disclosure of Conflicts of Interest

To comply with the ACCME Standards of Commercial Support on the need for disclosure and monitoring of proprietary and financial interests that may affect the scientific integrity and balance of content delivered in continuing medical education activities under our auspices. The ACMS requires that all CME certified activities be developed free from the control of a commercial interest and be balanced, objective, and scientifically rigorous. Anyone with the ability to affect the content of an educational activity must disclose relevant financial relationships with health organizations producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients. The ACMS will disclose faculty and commercial relationships at the Annual Meeting.

Disclosure of Discussion of Non-FDA Approved Uses for Pharmaceutical Products and/or Medical Devices

The ACMS requires that all faculty presenters identify and disclose any off-label uses for pharmaceutical and medical device products. The ACMS recommends that each physician fully review all the available data on new products or procedures prior to instituting them with patients.

Disclaimer

The views expressed and the techniques presented by the speakers of the ACMS-sponsored educational meetings are not necessarily shared or endorsed by the College. Anyone with the ability to affect the content of an educational activity must disclose relevant financial relationships with health organizations producing, marketing, re-selling, or distributing health care goods or services consumed by, or used on, patients, as well as any unapproved or off-label uses of medical devices or pharmaceutical agents that they discuss, describe, or demonstrate during their presentations. Meeting attendees should use their independent judgment in applying the information discussed in these educational sessions in the treatment of patients.

Learning Objectives

Upon completion of the Annual Meeting, participants will be able to describe the latest advances in the treatment of skin cancer, discuss recent research findings in the area of Mohs micrographic surgery and cutaneous oncology, and explain new techniques in reconstruction that promote optimal surgical outcomes.

Specific learning objectives, upon completion of the ACMS Annual Meeting, include:

- Design and execute Mohs stages and routine and advanced reconstructions of the face, hands, nails, feet and genitalia
- Describe current recommendations for diagnosis and treatment of melanoma, and Merkel cell cancer;
- Recall the benefits and techniques involved in utilizing immunohistochemistry in the treatment of melanoma and non-melanoma skin cancers;
- Refine reconstruction techniques to improve scars post Mohs micrographic surgery;
- Identify anatomic landmarks and integrate knowledge of those landmarks into the practice of Mohs micrographic surgery;
- Recognize potential errors in frozen section examination of skin cancers and develop ways to minimize those errors;
- Explain proper billing and coding practices for Mohs and reconstructive surgery;
- Maximize collaboration with surgical colleagues in other disciplines to improve patient outcomes postoperatively;
- Identify elements of the preoperative history that require management preoperatively;
- Review the most recent literature regarding dermatologic surgery and cutaneous oncology;
- Describe recent developments in the management of skin cancer in organ transplant recipients.

Get the Meeting App!

www.eventmobi.com/app/acms19

The Annual Meeting app is optimized for all devices—phones, tablets and laptops—across mobile platforms like iOS, Android and Windows. Get real-time notifications, respond to live polls, download handouts, complete session evaluations, and sign in to create a custom schedule, save notes, or connect with colleagues.

1. visit www.eventmobi.com/app/acms19

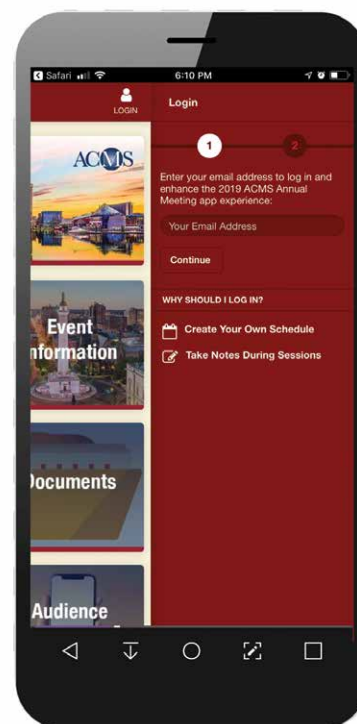
Tap “Get the App” button. The app will automatically download from your app store and launch the event.

2. Tap Login at upper right. Enter the email address you used to register for the meeting; this allows full use of all features.



NOTE: EventMobi's orange ‘E’ icon will appear on your home screen; use this to access the app throughout the meeting.

If you choose to view the app in a web browser, follow the on-screen prompts to add the app icon to your home screen. Bookmark and return to www.eventmobi.com/acms19.



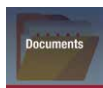
Features



Tap a session for description, time, location, speakers, handouts & more



View faculty and panelists, as well as guest speaker bios



Handouts, slide decks & other information shared by speakers



WiFi instructions, special event details, links & much more



Respond to in-session live polls in real time



Complete session and meeting evaluations quickly and seamlessly



Find colleagues, edit your profile, connect via 1-1 or group chat



View a listing of exhibitors by category or booth location



Hotel, meeting space & Exhibit Hall floor plans



Share your experience via Facebook and Twitter right from the app



SUPPORT THE ACMS FOUNDATION FROM YOUR PHONE

To donate, tap the Pillar Icon in your ACMS Annual Meeting App

The first \$50,000 donated during the Annual Meeting will be matched by the ACMS

Your gift today supports the Mohs specialty for years to come!



ACMS FOUNDATION

Funding Physician and Patient Education in Mohs Surgery

The premier resource to connect Mohs surgeons and histotechns with career opportunities is right at your fingertips.

Mohs Surgery Career Center

The Mohs Surgery Career Center will allow you to:

Manage Your Career:

- Search and apply for the best jobs at organizations that value your credentials
- Upload your anonymous resume so employers can contact you while maintaining control of your anonymity
- Receive an alert every time a job becomes available that matches your personal profile, skills, interests and preferred location(s)
- Have your resume evaluated by a resume-writing expert
- Access career resources, such as resume-writing tips, interview tips, and industry career information

Recruit for Open Positions:

- Post your jobs, or your institutions' jobs, where the most qualified professionals will find and apply for them
- Manage your posted jobs and applicant activity easily on our user-friendly site
- Email your jobs directly to job seekers via our exclusive Job Flash email
- Search the resume database and contact qualified candidates proactively



ACMS

American College
of Mohs Surgery

ASMH

American Society for
Mohs Histotechnology

Visit <https://careers.mohscollege.org>



ACMS American College
of Mohs Surgery

MohsAIQ

The Mohs Surgery Registry • Advancing & Improving Quality

Powered by  ArborMetrix

MohsAIQ is the national data registry of the American College of Mohs Surgery. MohsAIQ, pronounced “mosaic,” stands for Mohs Advancing and Improving Quality and will provide meaningful data about your patients and your performance so you can improve outcomes and maximize results under new payment models.

Why participate in MohsAIQ?

- Advance the Mohs specialty
- Assess and improve quality
- Meet CMS reporting requirements
- Generate new clinical knowledge
- Improve performance and outcomes
- Demonstrate the value of Mohs surgery
- Report specialty-specific measures
- Take advantage of CMS-approved QCDR
- Support the ACMS mission

For details on how to enroll as well as answers to FAQs, visit:

www.mohscollege.org/registry Questions? **registry@mohscollege.org**

MohsAIQ is Live! • Visit Booth 330



BE PART OF THE CONVERSATION!

**Share your Annual
Meeting experience
on social media using
#ACMS19**

Follow us:



@MohsCollege

Exhibit Hall Grand Opening & Welcome Reception

Thursday, May 2
5:30 – 7:30 pm

Harborside Ballroom/Level 4

Don't miss this chance to relax and unwind with colleagues. Hors d'oeuvres and beverages will be provided for your enjoyment.



Digital Diagnostic Quality Control Exam

The Diagnostic Quality Control Exam is entirely online. This allows for more flexibility to review the slides, and allows completion of the exam before, during, and after the meeting. Instructions for accessing the digital DQC exam will be sent via the email address used for registration prior to the Annual Meeting. Access to the Diagnostic Quality Control Exam is \$50 for ACMS members and free to fellows-in-training. Only ACMS members who register for the exam and complete it online will receive a certificate. Certificates are mailed approximately 4-6 weeks after the meeting. CME credit is not offered for taking the digital Diagnostic Quality Control Exam. Participants must supply their own laptop or use a computer in the Business Center to take the exam on-site.

Help Your Tech Improve Skills

ASMH American Society for
Mohs Histotechnology

The ASMH offers customized, hands-on training sessions through its Mohs Technician Training Program. Offered exclusively to technicians who have at least six months experience cutting tissue, this on-site training will include lecture and hands-on training on topics such as mapping and inking, embedding, staining, cryosectioning, CLIA regulations, troubleshooting, and more.

Thursday, June 27-28, 2019

8:30 am - 3:00 pm

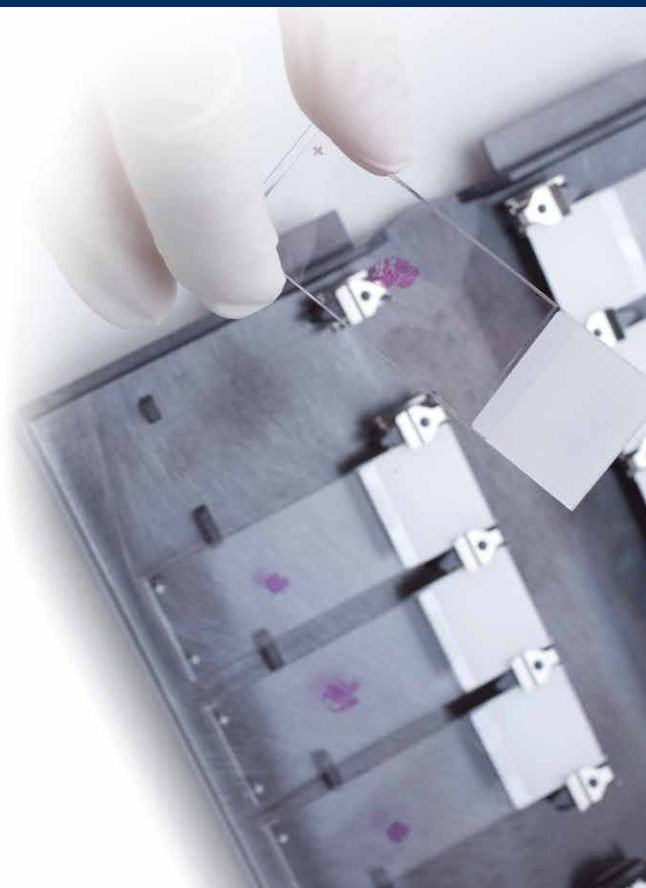
Sakura Finetek USA, Inc., 1750 West 214th Street, Torrance, CA 90501

ASMH members: \$750 / Non-members: \$1,000

Non-member registration will include ASMH membership through 2019. \$50 discount per trainee for practices sending more than one tech

Upon completion, trainees can claim 12 CEUs through the National Society for Histotechnology and will receive a certificate of completion from the ASMH/ACMS. For more information about the Mohs Technician Training Program or customized training opportunities, or contact the ASMH office at (414) 918-9813 or info@mohstech.org.

For details, hotel reservations, and to register, visit
www.mohstech.org/training



Guest Speaker Biographies

Leonard D'Avolio, PhD



Dr. D'Avolio has spent the last 13 years in government, academia, philanthropy, and industry working to make the learning healthcare system a reality. He's the co-founder of Cyft, an organization that uses data and AI to improve clinical care and operations. He is also an Assistant Professor at Brigham and Women's Hospital and Harvard Medical School, an advisor to the Helmsley Charitable Trust Foundation and several healthcare startups, and a board member for Youth Development Organization. He helped improve childbirth across 70 clinics in India working with Atul Gawande at Ariadne Labs, created the infrastructure for the world's largest genomic medicine cohort, and embedded the first clinical trial within an electronic medical record system for the Department of Veterans Affairs. His work has been funded by the National Cancer Institute, Department of Veterans Affairs, Department of Defense, Bill and Melinda Gates Foundation, National Library of Medicine, the Helmsley Charitable Trust Foundation.

Petr F. Hausner, MD, PhD



Dr. Hausner graduated from Medical School of the Charles University in Prague in 1972. He dedicated his formative years there as Assistant Professor of Medicine in the Laboratory of Clinical Immunology. As his interest turned towards oncology, he joined the research laboratory of the

Oncology Department, became board certified in Medical Oncology, was promoted to Associate Professor of Oncology, and became vice-chair of the department. In 1998 he became a staff oncologist at the Greenebaum Cancer Center and faculty at the Medical School of the University of Maryland in Baltimore. Since 1999, he has been Chief of Hematology and Oncology at the Baltimore VA Medical Center. His laboratory interests center on cancer biology, metastasizing, gap junctional intercellular communications as well as molecular biology and DNA repair, whereas his clinical interests and research revolve around lung cancer, mesothelioma and melanoma. He has published 96 papers, more than 130 abstracts and contributed to seven medical books.

Nirusha Lachman, PhD



Dr. Lachman is a professor in the Department of Anatomy, College of Medicine with joint appointment in the Department of Surgery, Division of Plastic Surgery at Mayo Clinic. Her primary focus lies in integrating anatomy education for everyday practice, and she is one of few

clinical anatomists in the world who works collaboratively on a daily basis with clinicians in a practice-based setting. In her 20-year career as a clinical anatomist, Dr. Lachman has contributed over 74 scientific publications in peer reviewed journals, 16 book chapters and numerous abstract publications and national and international presentations.

Nicholas R. Mahoney, MD



Dr. Mahoney is an Assistant Professor of Ophthalmology at the Johns Hopkins Hospital and the Wilmer Eye Institute where he serves as the Associate Residency Program Director and Division Education Champion for Oculoplastic Surgery. He has special clinical interest in multi-disciplinary reconstruction and is a member of the Thyroid Eye Disease, Adult Cranioplasty, and Face Transplant teams. His research focuses on using technology to improve teaching methodology and orbital surgery. In addition to his research publications, he has also developed software for intraoperative tissue assessment, curriculum management, classroom mobile device polling and surgical logging.

Scott E. Strome, MD



Dr. Strome is the Robert Kaplan Executive Dean and Vice Chancellor for Clinical Affairs at the University of Tennessee Health Science Center College of Medicine. He is Professor and Chairman Emeritus of the Department of Otorhinolaryngology at the University of Maryland School of Medicine. He previously served as interim Chairman of the Departments of Ophthalmology and Visual Sciences and the Department of Dermatology. Dr. Strome is an active Head and Neck Surgeon with particular expertise in head & neck malignancies and diseases of the anterior skull base. He has a major interest in medical student and resident education and runs one of the four academic houses to which all medical students are assigned. He has contributed nationally as chairman of two NIH study sections and membership on the Advisory Committee. He has excelled in creating drugs and procedures with direct clinical impact.

Mohan Suntha, MD, MBA



Dr. Suntha is President and Chief Executive Officer of the University of Maryland Medical Center (UMMC), a two-campus academic medical center in downtown Baltimore that serves more than 250,000 patients each year, with 9,000 employees, 1,000 licensed acute care and ICU beds and \$1.5 billion in net revenue. Dr. Suntha joined the University of Maryland School of Medicine as an Assistant Professor in the Department of Radiology Oncology in 1995. He served as the Vice Chairman of the Department of Radiation Oncology from 1997 to 2016. He has maintained faculty and clinical appointments throughout his tenure at UMMC, and is a member of the American College of Radiation Oncology, the American Society for Therapeutic Radiology and Oncology, and serves as the Vice Chairman of the Simon Kramer Society. He received his MD from Jefferson Medical College, his MBA from the Wharton School of Business at the University of Pennsylvania, and his BA from Brown University.

M. Reza Vagefi, MD



Dr. Vagefi is an Associate Professor of Ophthalmology at University of California, San Francisco (UCSF) who specializes in Oculofacial Plastic, Reconstructive and Orbital Surgery. After obtaining a BA from Johns Hopkins University, he completed medical school at Yale University. His ophthalmology residency training was performed at UCSF followed by oculofacial plastic surgery fellowship in Salt Lake City. Dr. Vagefi is a member of American Society of Ophthalmic Plastic & Reconstructive Surgery (ASOPRS) and the American Academy of Ophthalmology. He serves as the medical director and quality improvement officer for the Department of Ophthalmology, UCSF and is the present Assistant Secretary of Education for ASOPRS. His research interests include orbital inflammation and infection, orbital imaging, anophthalmic and orbital rehabilitation, and benign essential blepharospasm.

Invited Faculty and Guest Speakers

(as of 4/4/19)

Sumaira Z. Aasi, MD, FACMS, Stanford University School of Medicine, Redwood City, CA

John G. Albertini, MD, FACMS, The Skin Surgery Center, Winston-Salem, NC

Joseph Alcalay, MD, FACMS, Skin and More Medical Center, Tel-Aviv, Israel

Saud Aleissa, MD, Memorial Sloan Kettering Cancer Center, New York, NY

Sarah T. Arron, MD, PhD, University of California-San Francisco, San Francisco, CA

Omar Badri, MD, UMass Memorial Medical Center, Worcester, MA

Anna A. Bar, MD, FACMS, Oregon Health & Science University, Portland, OR

Ramona Behshad, MD, FACMS, Saint Louis University, St. Louis, MO

Richard G. Bennett, MD, FACMS, University of Southern California, Los Angeles, CA

Kourosh Beroukhi, MD, University of California-Davis, Sacramento, CA

Elizabeth M. Billingsley, MD, FACMS, Penn State Milton S. Hershey Medical Center, Hershey, PA

William H. Black, MD, FACMS, University of Mississippi Medical Center, Flowood, MO

Travis W. Blalock, MD, FACMS, Emory University, Atlanta, GA

Adam B. Blechman, MD, Hunterdon Center for Dermatology, Flemington, NJ

Diana Bolotin, MD, PhD, FACMS, University of Chicago, Chicago, IL

Jeremy S. Bordeaux, MD, MPH, FACMS, University Hospitals Cleveland Medical Center, Shaker Heights, OH

Jerry D. Brewer, MD, MS, FACMS, Mayo Clinic, Rochester, MN

David G. Brodland, MD, FACMS, Zitelli & Brodland, PC, Pittsburgh, PA

Mariah R. Brown, MD, FACMS, University of Colorado, Aurora, CO

Theresa Canavan, MD, New York University Medical Center, New York, NY

Ekama Carlson, MD, PhD, Kaiser Permanente, San Rafael, CA

David R. Carr, MD, FACMS, OSU Dermatology, Columbus, OH

Bryan T. Carroll, MD, PhD, FACMS, University of Pittsburgh, Pittsburgh, PA

Todd V. Cartee, MD, FACMS, Penn State Milton S. Hershey Medical Center, Hershey, PA

John A. Carucci, MD, PhD, FACMS, New York University Langone Medical Center, New York, NY

Linda Cesario, DPM, HT (ASCP), Advanced Laser and Skin Cancer Center, Teaneck, NJ

Conroy Chow, MD, Loma Linda University, Loma Linda, CA

Melanie A. Clark, MD, Medical College of Wisconsin, Milwaukee, WI

Scott A. B. Collins, MD, FACMS, Dermatology Associates, Tigard, OR

Joel Cook, MD, FACMS, Medical University of South Carolina, Charleston, SC

Jonathan L. Cook, MD, FACMS, Duke University Medical Center, Durham, NC

M. Laurin Council, MD, FACMS, Center for Dermatologic & Cosmetic Surgery, St. Louis, MO

Brienne Cressey, MD, MBA, Northeast Dermatology, Dover, NH

Leonard D'Avolio, PhD, Harvard Medical School, Boston, MA

Min Deng, MD, West Virginia University, Morgantown, WV

Jessica N. Dietert, MD, Snyder Dermatology, Austin, TX

Susan E. Dozier, MD, FACMS, Susan E. Dozier, MD, PA, Austin, TX

Alison B. Durham, MD, FACMS, University of Michigan Dermatology, Ann Arbor, MI

Daniel B. Eisen, MD, FACMS, University of California-Davis, Sacramento, CA

Jeremy Etzkorn, MD, FACMS, University of Pennsylvania, Yardley, PA

Hao Feng, MD, Laser & Skin Surgery Center of NY, New York, NY

Matthew C. Fox, MD, FACMS, University of Texas at Austin, Austin, TX

Joseph K. Francis, MD, FACMS, Palm Beach Dermatology, Atlantis, FL

Robert Gathings, MD, Surgical Dermatology Group, Birmingham, AL

John K. Geisse, MD, FACMS, Solano Dermatology Associates, Vallejo, CA

Nicholas J. Golda, MD, FACMS, University of Missouri, Columbia, MO

Dori Goldberg, MD, FACMS, University of Massachusetts Memorial Medical Center, Worcester, MA

Glenn D. Goldman, MD, FACMS, University of Vermont Medical Center, Burlington, VT

Daniel H. Gong, MS, MSO, C-PM, UC Davis, Sacramento, CA

Ankit Gor, MD, University of Vermont Medical Center, Burlington, VT

Roy C. Grekin, MD, FACMS, University of California San Francisco, San Francisco, CA

James L. Griffith, MD, MS, Houston Methodist Hospital, Houston, TX

Allison M. Hanlon, MD, PhD, FACMS, Vanderbilt University, Nashville, TN

Jamie Hanson, MD, Minneapolis Veterans Affairs Medical Center, Minneapolis, MN

Kelly Harms, MD, PhD, University of Michigan, Ann Arbor, MI

Petr F. Hausner, MD, PhD, University of Maryland School of Medicine, Baltimore, MD

Ali Hendi, MD, FACMS, Ali Hendi, MD, PC, Chevy Chase, MD

H. William Higgins II, MD, MBE, FACMS, Brown University, Providence, RI

Todd E. Holmes, MD, FACMS, Fletcher Allen Health Care, Burlington, VT

George J. Hruza, MD, FACMS, Laser & Dermatologic Surgery Center, Chesterfield, MO

Eva A. Hurst, MD, FACMS, Washington University School of Medicine, St. Louis, MO

Walayat Hussain, MD, FACMS, Leeds Centre for Dermatology, Leeds, UK

Sherrif F. Ibrahim, MD, PhD, FACMS, University of Rochester, Rochester, NY

Nathaniel J. Jellinek, MD, FACMS, Dermatology Professionals, Inc., East Greenwich, RI

Hillary Johnson-Jahangir, MD, PhD, FACMS, University of Iowa, Iowa City, IA

Andrew J. Kaufman, MD, FACP, FACMS, The Center for Dermatology Care, Thousand Oaks, CA

Benjamin Kelley, MD, Scripps Clinic, La Jolla, CA

Daria Marley Kemp, MD, Dermatologic SurgiCenter, Drexel Hill, PA

Thomas J. Knackstedt, MD, Cleveland Clinic Foundation, Cleveland, OH

Irèn Kossintseva, MD, Dermatologic Surgery Centre, Vancouver, Canada

Ravi Krishnan, MD, FACMS, Virginia Mason Medical Center, Seattle, WA

Aleksandar L.J. Kronic, MD, PhD, FACMS, Innovative Dermatology, Chicago, IL

Joy H. Kunishige, MD, FACMS, Zitelli & Brodland, PC, Pittsburgh, PA

Invited Faculty and Guest Speakers

Michael Kunz, MD, University of Indiana, Indianapolis, IN

Nirusha Lachman, PhD, Mayo Clinic, Rochester, MN

Naomi Lawrence, MD, FACMS, Cooper University Hospital, Marlton, NJ

Jennifer Ledon, MD, St. John's Medical Plaza, Santa Monica, CA

Michael P. Lee, University of Pennsylvania, Philadelphia, PA

Justin J. Leitenberger, MD, FACMS, Oregon Health & Science University, Portland, OR

Barry Leshin, MD, FACMS, The Skin Surgery Center, Winston-Salem, NC

Jesse M. Lewin, MD, Columbia University Medical Center, New York, NY

Geoffrey F.S. Lim, MD, Zitelli & Brodland, PC, Pittsburgh, PA

Su Luo, MD, Lahey Hospital and Medical Center, Burlington, MA

Angelic R. Maden, MS, HT (ACSP), Virginia Commonwealth University Health System, Richmond, VA

Nicholas R. Mahoney, MD, Johns Hopkins Medicine, Baltimore, MD

Zaineb H. Makhzoumi, MD, MPH, FACMS, University of Maryland School of Medicine, Baltimore, MD

Kayla L. McNiece, Skin Physicians of Georgia, Macon, GA

Bradley G. Merritt, MD, FACMS, University of North Carolina, Chapel Hill, NC

Christopher J. Miller, MD, FACMS, Hospital of the University of Pennsylvania, Philadelphia, PA

Misha D. Miller, MD, FACMS, University of Colorado, Englewood, CO

Vineet Mishra, MD, FACMS, Scripps Clinic, Nashville, TN

Kishwer S. Nehal, MD, FACMS, Memorial Sloan Kettering Cancer Center, New York, NY

Toby Nelson, BSc (Hons), MB, BS, MRCP, Royal Bournemouth & Christchurch Hospitals NHS Foundation Trust, Bournemouth, United Kingdom

Elise Ng, MD, Johns Hopkins Outpatient Center, Baltimore, MD

Rajiv I. Nijhawan, MD, FACMS, University of Texas Southwestern Medical Center, Dallas, TX

Lauren Ogrich, MD, UPMC St. Margaret, Pittsburgh, PA

Clark C. Otley, MD, FACMS, Mayo Clinic, Rochester, MN

Melissa Pugliano-Mauro, MD, FACMS, UPMC St. Margaret Dermatology, Allison Park, PA

Desiree Ratner, MD, FACMS, Desiree Ratner, MD, PC, New York, NY

Howard W. Rogers, MD, PhD, FACMS, Advanced Dermatology, Norwich, CT

Thomas E. Rohrer, MD, FACMS, SkinCare Physicians, Chestnut Hill, MA

Emily S. Ruiz, MD, MPH, Brigham and Women's Hospital, Boston, MA

Michael Saco, MD, University of Missouri, Columbia, MO

Paul J. M. Salmon, MD, FACMS, Skin Centre, Mt. Maunganui, New Zealand

Faramarz H. Samie, MD, PhD, FACMS, Columbia University Medical Center, New York, NY

Drew Saylor, MD, University of California San Francisco, San Francisco, CA

Carl F. Schanbacher, MD, FACMS, Tufts Dermatology, Milford, MA

Chrysalyne D. Schmults, MD, MSCE, FACMS, Mohs and Dermatologic Surgery Center, Jamaica Plain, MA

Jeffrey F. Scott, MD, University Hospitals Cleveland Medical Center, Cleveland, OH

Thuzar M. Shin, MD, PhD, FACMS, University of Pennsylvania, Philadelphia, PA

Maral K. Skelsey, MD, FACMS, Dermatologic Surgery Center of Washington, Chevy Chase, MD

Ally-Khan Somani, MD, PhD, FACMS, Indiana University School of Medicine, Indianapolis, IN

Seaver Soon, MD, Scripps Clinic, La Jolla, CA

Divya Srivastava, MD, FACMS, University of Texas Southwestern Medical Center, Dallas, TX

Evan P. Stiegel, MD, Zitelli & Brodland, PC, Pittsburgh, PA

Michael S. Stratton, MD, University of Alabama – Birmingham, Birmingham, AL

Scott E. Strome, MD, University of Tennessee Health Science Center, Memphis, TN

Mohan Suntha, MD, MBA, University of Maryland Medical Center, Baltimore, MD

Zain Syed, MD, MBA, Skin Care Specialty Physicians, Lutherville, MD

Nikki D. Tang, MD, Johns Hopkins University, Baltimore, MD

Valencia D. Thomas, MD, FACMS, Mohs & Dermasurgery Center, Houston, TX

William J. Tidwell, MD, Paducah Dermatology, Paducah, KY

Stanislav N. Tolkachjov, MD, Epiphany Dermatology, Dallas, TX

Joshua W. Trufant, MD, Jefferson Dermatology Associates, Philadelphia, PA

Amanda J. Tschetter, MD, Dermatology Specialists, PA, Edina, MN

M. Reza Vagefi, MD, University of California San Francisco, San Francisco, CA

Marta J. VanBeek, MD, MPH, FACMS, University of Iowa Hospitals & Clinics, Iowa City, IA

Allison T. Vidimos, MD, RPh, FACMS, Cleveland Clinic Foundation, Cleveland, OH

Jeanie Wade, HT (ACSP), US Dermatology Partners/Dermatology Associates of Tyler, Tyler, TX

Abigail Waldman, MD, Brigham & Women's Hospital, Boston, MA

Carl V. Washington, MD, FACMS, Dermatology Associates of Georgia, Decatur, GA

Christine H. Weinberger, MD, FACMS, University of Vermont Medical Center, Burlington, VT

J. Michael Wentzell, MD, FACMS, North Sound Dermatology, Anacortes, WA

Oliver J. Wisco, DO, FAAD, FACMS, Bend Memorial Clinic, Bend, OR

Ashley Wysong, MD, MS, FACMS, University of Nebraska Medical Center, Omaha, NE

David Xiong, BS, Cleveland Clinic Foundation, Cleveland, OH

Yaohui G. Xu, MD, PhD, FACMS, University of Wisconsin, Madison, WI

Simon Yoo, MD, Northwestern University Feinberg School of Medicine, Chicago, IL

Siegrid S. Yu, MD, FACMS, University of California San Francisco, San Francisco, CA

Nathalie C. Zeitouni, MD, FACMS, University of Arizona, Phoenix, AZ

Daniel E. Zelac, MD, FACMS, Scripps Clinic, La Jolla, CA

John A. Zitelli, MD, FACMS, UPMC Shadyside, Pittsburgh, PA

Fiona O. Zwald, MD, MRCPI, FACMS, O'Reilly Comprehensive Dermatology Mt. Vernon Medical Center, Atlanta, GA

Pre-Conference Workshops – Wednesday, May 1

8:00 am – 5:00 pm

Fellows-in-Training Hands-on Cutaneous Flap Workshop

Grand Salon 1-2/Level 3
(Non-CME Workshop)

Workshop directors Drs. Mariah R. Brown, Jeremy Etzkorn and Christine H. Weinberger, alongside course faculty, will demonstrate and instruct fellows-in-training on how to perform multiple skin flaps on surgical training models. There will be one faculty member paired with two fellows-in-training for each surgical head. This will be an invaluable experience for fellows-in-training to gain individualized knowledge by working alongside experienced Mohs surgeons.

The workshop will take place at the Baltimore Marriott Waterfront and the registration fee includes breakfast & lunch (*for workshop registrants only*). **Space is limited to 30 registrants and granted on a first-come, first-served basis.** Families and pets are not permitted in the workshop.

Directors: Mariah R. Brown, MD, FACMS; Jeremy Etzkorn, MD, FACMS; Christine H. Weinberger, MD, FACMS

Faculty: Ramona Behshad, MD; William H. Black, MD, FACMS; David R. Carr, MD, FACMS; Bryan R. Carroll, MD, PhD, FACMS; Laurin Council, MD, FACMS; Todd E. Holmes, MD, FACMS; Joy H. Kunishige, MD, FACMS; Justin J. Leitenberger, MD, FACMS; Brad Merritt, MD, FACMS; Misha D. Miller, MD, FACMS; Melissa Pugliano-Mauro, MD, FACMS; Thuzar M. Shin, MD, PhD; Ashley Wysong, MD, MS

1:00 – 4:00 pm

Hand & Nail Workshop

Offsite – VISTA Lab
(Non-CME Workshop)

Directed by Dr. Thomas Knackstedt, this workshop is geared toward all levels of nail surgeons, from beginner and intermediate to advanced levels. It offers small group, hands-on experience practicing a variety of nail surgery techniques. Participants will be instructed on how to avulse the nail in several fashions (partial and complete), perform

multiple different nail procedures (including punch, shave, longitudinal techniques), and for those with more advanced background, treat nail melanoma with en bloc excision of all nail tissues and perform nail flaps. Approaches to patient assessment, including surgical planning, equipment/suture selection, and anatomical considerations to optimize outcomes will be covered. Anatomy as it relates to safe surgical technique will be stressed. Fresh frozen cadaveric hands that allow for realistic hands-on practice will be utilized.

The workshop will take place at VISTA Lab in Baltimore, and shuttle service will be provided for participants. **Space is limited to 40 registrants and granted on a first-come, first-served basis, with 2 participants per cadaveric hand.**

Director: Thomas J. Knackstedt, MD

Faculty: Melanie A. Clark, MD; Brienne Cressey, MD, MBA; Dori Goldberg, MD, FACMS; Aleksandar L.J. Kronic, MD, PhD, FACMS; Simon S. Yoo, MD; Ally-Khan Somani, MD, PhD, FACMS

6:00 – 8:00 pm

Fellows-in-Training Mohs Surgery Histotechnology & Lab Set up Workshop

Laurel A-B/Level 4
(Non-CME Workshop)

A high quality microscopic slide is critical for complete diagnostic interpretation, resulting in optimal patient care. This workshop will cover grossing/mapping, embedding, hands-on cryosectioning and routine staining. How does the surgical component affect the laboratory outcome? We will also discuss lab set up, including the CLIA application process.

Director: Linda Cesario, DPM, HT (ASCP)

Faculty: Daniel H. Gong, MS, MSO, C-PM

Frederic E. Mohs Award Recipient



Victor J. Marks, MD, FACMS

The ACMS would like to congratulate Dr. Marks on being named the recipient of the 2019 Frederic E. Mohs Award for devoting considerable time and effort over many years to further the goals and objectives of the organization and to promote the specialty.

We salute you!

Scientific Program – Thursday, May 2

7:00 – 8:15 am

Concurrent Morning Mini-Sessions

103.1 Step by Step: Scar Revision

Grand Salon 1-2/Level 3

(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Assess the most common types of scar abnormalities after dermatologic surgery;
- 2) Identify the available modalities to improve surgical scars;
- 3) Apply scar revision techniques for common post-operative complications.

Mariah R. Brown, MD, FACMS; David R. Carr, MD, FACMS

103.2 Step by Step: Tunneled Flaps ♦

Grand Salon 3-4/Level 3

(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Identify patients who might benefit from a tunneled flap;
- 2) Design a tunneled flap;
- 3) Describe the pitfalls of performing a tunneled flap.

Jonathan L. Cook, MD, FACMS; Daniel B. Eisen, MD, FACMS

103.3 Public Policy Update 2019

Galena/Level 4

(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Analyze how recent regulatory and legislative changes affect Mohs surgeons' ability to serve their patients;
- 2) Evaluate how Medicare's 2019 fee schedule affects coding and documentation requirements for Mohs surgeons;
- 3) Identify private insurer policy challenges to practice of and proper reimbursement for Mohs Surgery.

Scott A. B. Collins, MD, FACMS; Howard W. Rogers, MD, PhD, FACMS

103.4 Immunohistochemistry for Mohs: Melanoma and Beyond

Dover A-C/Level 3

(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Discuss the advantages, indications, and expanding role of immunohistochemical stains in Mohs micrographic surgery for melanoma and non-melanoma skin cancer;
- 2) Recall staining protocols and identify laboratory components and staffing personnel that are essential for developing an in-house immunostain lab;
- 3) Confidently read immunohistochemical stains in Mohs micrographic surgery for melanoma and non-melanoma skin cancer.

Ali Hendi, MD, FACMS; Thuzar M. Shin, MD, PhD, FACMS; Abigail Waldman, MD

103.5 Transplant Update

Essex A/Level 4

(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Review the up to date immunosuppressive agents used in solid organ transplant recipients and how these may affect skin cancer development;
- 2) Plan novel approaches to field therapy in high risk patient populations;
- 3) Evaluate and manage rare or unusual tumors in the immunosuppressed patient.

Justin J. Leitenberger, MD, FACMS; Seaver Soon, MD; Ashley Wysong, MD, MS, FACMS; Fiona O. Zwald, MD, MRCPI, FACMS

8:30 – 9:00 am

Welcome & AAD Update

Grand Ballroom/Level 3

(0.50 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Identify the activities of the ACMS and its many committees;
- 2) Recognize the AAD's strategic focus and some of the activities in place to advance it;
- 3) Recognize the challenges and opportunities that the ACMS and AAD will face in the coming year.

Barry Leshin, MD, FACMS, ACMS President; Sarah T. Arron, MD, PhD, FACMS, Scientific Program Chair; George J. Hruza, MD, FACMS, AAD President

9:00 – 9:45 am

Literature Review

Grand Ballroom/Level 3

(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Identify pertinent articles regarding reconstruction, dermatologic surgery, and cutaneous oncology within the past year;
- 2) Evaluate the relevance of these articles as they pertain to procedural dermatology and cutaneous oncology;
- 3) Apply new principles and information to optimize and improve patient care.

Moderators: Jerry D. Brewer, MD, MS, FACMS; Emily S. Ruiz, MD, MPH

Speaker: Conroy Chow, MD

9:30 am – 7:30 pm

Exhibit Hall Open

Harborside Ballroom/Level 4

9:45 – 10:00 am

Break

Harborside Ballroom/Level 4

(CME Not offered)

Scientific Program – Thursday, May 2

10:00 – 11:00 am

Tromovitch Award Abstract Session

Grand Ballroom/Level 3
(1.00 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Identify recent advances in cutaneous oncology and pathology;
- 2) Recognize the current state of the practice of Mohs surgery;
- 3) Recall young investigators' research and scholarly activities.

Moderators: Adam B. Blechman, MD (2018 Tromovitch Award Abstract Winner); John A. Carucci, MD, PhD, FACMS (2018 Scientific Program Chair)

10:00 – 10:08 am

Molecular and Clinical Characteristics of High Risk Squamous Cell Carcinoma

Theresa N. Canavan¹; Nicole Doudican, PhD¹; John Carucci, MD, PhD¹; Mary Stevenson, MD¹

1. New York University Langone Medical Center, New York, NY

10:10-10:18 am

Mastering Mohs Histopathology Over a 1-Year Fellowship

Evan P. Stiegel, MD¹, John A. Zitelli, MD²; David G. Brodland, MD²

1. Wilson Dermatology, Wilson, NC
2. Zitelli & Brodland, PC, Pittsburgh, PA

10:20-10:28 am

Follicular Extension of Squamous Cell Carcinoma in situ in Immunosuppressed Patients: A Retrospective Slide and Chart Review

Jessica B. Dietert¹; Eva Hurst, MD²

1. Snyder Dermatology, Austin, TX
2. Washington University in St. Louis, Creve Coeur, MO

10:30-10:38 am

Characteristics of Opioid Prescriptions by Mohs Surgeons in the Medicare Population

Hao Feng¹; Efe Kakpovbia²; Aldis Petriceks³; Paula Feng⁴; Roy G. Geronemus, MD^{1,2}

1. Laser & Skin Surgery Center of New York, New York, NY
2. New York University School of Medicine, New York, NY
3. Stanford University School of Medicine, Stanford, CA
4. Yale University School of Medicine, New Haven, CT

10:40-10:48 am

Correlation of Basal Cell Carcinoma Subtype with Histologically Confirmed Subclinical Extension during Mohs Micrographic Surgery

Geoffrey F.S. Lim, MD¹; Oliver A. Perez²; John A. Zitelli, MD¹; David G. Brodland, MD¹

1. Zitelli & Brodland, PC, Pittsburgh, PA
2. Advantage Dermatology, Jacksonville, FL

10:50-10:58 am

Optimal Timing of Post-Operative Pharmacologic Pain Management in Mohs Micrographic Surgery

Michael Saco, MD¹; Nicholas Golda, MD¹

1. University of Missouri, Columbia, MO

11:00 am – 12:00 pm

Step by Step: Lip Reconstruction

Grand Ballroom/Level 3
(1.00 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Identify the considerations involved in planning a functionally and cosmetically appropriate reconstruction of the lip;
- 2) Distinguish various approaches for reconstruction of similar defects on the lip and explain why certain reconstructions may be most appropriate in differing patient scenarios;
- 3) Apply these principles in their own practice for planning and executing reconstruction of common lip defects.

Moderators: Joseph Alcalay, MD, FACMS; Anna A. Bar, MD, FACMS; Mariah R. Brown, MD, FACMS; Nicholas J. Golda, MD, FACMS

12:00 – 1:00 pm

Networking Lunch (provided)

Harborside Ballroom/Level 4
(CME Not Offered)

Enjoy lunch and the time to network with your colleagues!

1:00 – 2:00 pm

Rare Tumors: AFX, EMPD, DFSP

Grand Ballroom/Level 3
(1.00 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Review clinical, histological features as well evaluation and treatment options of uncommon skin cancers;
- 2) Discuss management of advanced tumors;
- 3) Discuss a multidisciplinary approach to managing rare skin cancers.

Moderators: Allison M. Hanlon, MD, PhD, FACMS; Aleksandar L.J. Kronic, MD, PhD, FACMS; Nathalie C. Zeitouni, MD, FACMS

2:00 – 2:45 pm

Mohs for Melanoma

Grand Ballroom/Level 3
(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Identify melanomas that are likely to benefit from surgery with comprehensive margin assessment (e.g. Mohs or 'slow Mohs');
- 2) Describe strategies to surgically excise melanomas via Mohs surgery and to collaborate with allied melanoma treatment specialists;
- 3) Identify methods to process melanoma with frozen section supplemented with immunostains.

Moderators: Jeremy Etzkorn, MD, FACMS; Rajiv I. Nijhawan, MD, FACMS
Speakers: H. William Higgins II, MD, MBE, FACMS; Thuzar M. Shin, MD, PhD, FACMS; Divya Srivastava, MD, FACMS

Scientific Program – Thursday, May 2

2:45 – 3:00 pm

Break

Harborside Ballroom/Level 4
(CME Not offered)

3:00 – 4:00 pm

Clinical Pearls Abstract Session

Grand Ballroom/Level 3
(1.00 Credit Hour)

At the conclusion of this session, participants should be able to identify new research developments in Mohs surgery and oncology.

Moderators: Naomi Lawrence, MD, FACMS; Thuzar M. Shin, MD, PhD, FACMS

3:00-3:06 pm

Squamoid Eccrine Ductal Carcinoma: Clinicopathologic Study, and Pearls for Mohs Micrographic Surgical Management of this Mimicker of Squamous Cell Carcinoma

Ekama Carlson, MD, PhD¹

1. Kaiser Permanente, San Rafael, CA

3:07-3:13 pm

Relationship of Cutaneous and Noncutaneous Malignant Melanoma in Persons with Multiple Primary Tumors

Kourosh Beroukhim, MD¹; Daniel B. Eisen, MD¹

1. University of California-Davis, Sacramento, CA

3:14-3:20 pm

A Systematic Review of Oral Skin Cancer Prophylaxis: Acitretin Halves Occurrence of Basal and Squamous Cell Carcinoma

Omar Badri, MD^{1,2}; Emily Ruiz²; Chrysalyne Schmults, MD²

1. University of Massachusetts, Worcester, MA

2. Brigham & Women's Hospital, Boston, MA

3:21-3:27 pm

Perineural Invasion in Basal Cell Carcinomas: A Multi-Institutional Retrospective Chart Review Examining Local Recurrence Rates Between Treatment Modalities

Lauren M. Ogrich, MD¹; Lina Husienzad, MD¹; Baillie Bronner, BS²; John R. Durkin, MD²; Shayan Waseh, MPH³; Bryan T. Carroll, MD, PhD¹; Shelly Stepenaskie, MD²; Jonhan Ho, MD, MS¹; Melissa Pugliano-Mauro, MD¹

1. University of Pittsburgh, Pittsburgh, PA

2. University of New Mexico School of Medicine, Albuquerque, NM

3. Sidney Kimmel Medical College- Thomas Jefferson University, Philadelphia, PA

3:28-3:34 pm

Optimizing the Histological Mapping of Thin Delicate Tissue in Mohs Micrographic Surgery – the ‘Paper Cut Technique’

Michael Kunz¹; Lauren E. Poynter, HT (ASCP)¹; Kimberley A. Walker, HT (ASCP)¹; Ally-Khan Somani, MD, PhD¹

1. Indiana University School of Medicine, Indianapolis, IN

3:35-3:41 pm

Endocrine Mucin Producing Sweat Gland Carcinoma and Primary Cutaneous Mucinous Carcinoma

Solomiya Grushchak, MD¹; Benjamin F. Kelley, MD¹; Geva E. Manor, MD¹; Thomas Barlow, MD¹; Hubert T. Greenway, Jr., MD¹

1. Scripps Green Hospital, La Jolla, CA

3:42-3:48 pm

The Nasal Tip Rotation Flap: A Reliable Single-Stage Repair Option for Defects Involving the Lateral Nasal Tip, Soft Triangle, and Anterior Ala

Robert M. Gathings, MD¹; Stanislav N. Tolkachjov, MD²

1. Surgical Dermatology Group, Birmingham, AL

2. Epiphany Dermatology, Dallas, TX

3:49-3:55 pm

Dermatologist-Performed Ultrasound is Useful for Regional Lymph Node Surveillance for High-Stage Cutaneous Squamous Cell Carcinoma

Emily S. Ruiz, MD, MPH¹; Chrysalyne D. Schmults, MD, MSCE¹

1. Brigham and Women's Hospital, Boston, MA

4:00 – 5:00 pm

Video Reconstruction: Advancement and Rotation Flaps

Grand Ballroom/Level 3

(1.00 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Describe the utility of advancement and rotation flaps in facial reconstruction;
- 2) Identify nuances in design and execution of advancement and rotation flaps depending on defect size and location;
- 3) Specify ways to avoid and manage common pitfalls when performing advancement and rotation flaps.

Moderators: Eva A. Hurst, MD, FACMS; Walayat Hussain, MD, FACMS

Speaker: Valencia D. Thomas, MD, FACMS

5:30 – 7:30 pm

Exhibit Hall Grand Opening & Welcome Reception

Harborside Ballroom/Level 4

(CME Not offered)

Scientific Program – Friday, May 3

7:00 – 8:15 am

Concurrent Morning Mini-Sessions

202.1 Step by Step: Interpolation Flaps for Nasal Reconstruction ♦

Grand Salon 1-2/Level 3
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Design and implement one- and two-stage interpolation flaps for nasal reconstruction;
- 2) Describe modifications to improve cosmetic and functional outcomes of staged reconstructions for nasal wounds;
- 3) Identify and avoid common pitfalls with staged reconstructions of the nose.

Jeremy S. Bordeaux, MD, MPH, FACMS; Todd E. Holmes, MD, FACMS;
Christopher J. Miller, MD, FACMS

202.2 Surgical Safety

Galena/Level 4
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Identify best practices for site identification;
- 2) Identify best practices for prevention of infection;
- 3) Identify best practices for anticoagulant management.

Jesse M. Lewin, MD; Joshua W. Trufant, MD

202.3 Anticoagulation and Bleeding

Essex A-B/Level 4
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Distinguish between the most commonly used traditional and novel antithrombotic medications and their mechanisms of action and identify common non-prescription supplements that contribute to increased bleeding during surgery;
- 2) Compare the risk of surgical bleeding complication associated with different prescription and non-prescription medications and supplements;
- 3) Explain the pre-, peri-, and post-operative management of patients taking medications that increase risk for bleeding and how to manage potential complications.

Elise Ng, MD; Nikki D. Tang, MD

202.4 Running Your Mohs Lab: QI, QC, CLIA, CAP ♦

Dover A-B/Level 3
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Apply quality improvement processes to improve laboratory processing efficiency and safety;
- 2) Develop daily procedures to maximize laboratory processing quality;
- 3) Explain the basic quality improvement and quality assurance elements of CLIA and CAP certification.

Diana Bolotin, MD, PhD, FACMS; Bryan T. Carroll, MD, PhD, FACMS; Min Deng, MD; Angelic R. Maden, MS, HT (ASCP); Jeanie Wade, HT (ACSP); Yaohui G. Xu, MD, PhD, FACMS

202.5 Secrets to Successful Skin Grafts

Grand Salon 3-4/Level 3
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Discuss the various types of skin grafts and the utility of each;
- 2) Define the appropriate surgical wound repaired with a skin graft;
- 3) Review the operative technique and postoperative management of skin grafts, skin grafts and cartilage grafts and skin grafts combined with other surgical repairs;
- 4) Review postoperative complications of skin grafts and their management.

Todd V. Cartee, MD, FACMS; Joel Cook, MD, FACMS

8:30 – 9:15 am

Step by Step: Auricular Reconstruction ♦

Grand Ballroom/Level 3
(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Define reconstructive algorithms for moderate to complex defects on the ear;
- 2) Describe detailed step by step approaches for individual repair options for auricular defects;
- 3) Categorize individual auricular repair options with respect to difficulty, operative time and potential complications.

Moderators: John A. Carucci, MD, PhD, FACMS; Andrew J. Kaufman, MD, FACP, FACMS; Thomas E. Rohrer, MD, FACMS

9:15 – 9:45 am

Management of High Risk Cutaneous Squamous Cell Carcinoma

Grand Ballroom/Level 3
(0.50 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Define the criteria and factors that contribute to the development of a high risk squamous cell carcinoma (SCC);
- 2) Select appropriate workup and treatment algorithms for high risk SCC;
- 3) Manage patients with high risk disease through multidisciplinary approach.

Moderators: Sherif F. Ibrahim, MD, PhD, FACMS; Allison T. Vidimos, MD, RPh, FACMS

9:45 – 10:00 am

Break

Harborside Ballroom/Level 4
(CME Not offered)

9:30 am – 6:30 pm

Exhibit Hall Open

Harborside Ballroom/Level 4

Scientific Program – Friday, May 3

FOCUS ON INNOVATION

10:00 – 11:00 am

Information and Innovation in Cutaneous Oncology

Grand Ballroom/Level 3
(1.00 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Describe the opportunity for innovation and invention in their medical career as well as resources to actively pursue;
- 2) Identify the current state of non-invasive imaging technology in dermatologic surgery;
- 3) Describe the evolving impact of big data on the practice of Mohs surgery and dermatology.

Moderators: Joseph K. Francis, MD, FACMS; Kishwer S. Nehal, MD, FACMS; Clark C. Otley, MD, FACMS

Innovation in your Medical Career

Clark C. Otley, MD, FACMS

Non-Invasive Imaging in Dermatologic Surgery

Kishwer S. Nehal, MD, FACMS

Big Data in Dermatologic Surgery

Joseph K. Francis, MD, FACMS

11:00 am – 12:00 pm

Keynote: Putting the Learning Back in Machine Learning

Grand Ballroom/Level 3
(1.00 Credit Hour)

There has been much written and said about machine learning, artificial intelligence, data mining, or any one of the dozens of overlapping names for advanced analytics. Less attention has been paid to what it really is, what it is and isn't useful for, and most importantly, how to embed it into our practice to improve care in meaningful ways. For the past 15 years, Dr. Leonard D'Avolio's work has focused on how healthcare can use machine learning and related technologies to improve. He has worked with hundreds of organizations across academic medical centers, for governments, philanthropies, and industry. In this talk he'll share his experiences to help the audience understand what can be done to capitalize on these new capabilities today and what they will soon mean for the future of healthcare.

At the conclusion of this session, participants should be able to:

- 1) Identify the capabilities now available via machine learning/artificial intelligence;
- 2) Describe what it takes for clinicians and their organizations to design and execute a machine learning-related project;
- 3) Predict implications as these technologies become ubiquitous within medicine.

Guest Speaker: Leonard D'Avolio, PhD

12:15 – 2:00 pm

ACMS Annual Business Meeting & Lunch

Grand Ballroom/Level 3
Non-members and guests: lunch on your own; visit the Exhibit Hall
(Non-CME session)

ACMS members are encouraged to attend the annual membership Business Meeting and lunch. This important meeting brings members up to date on issues of significance. The winners of the prestigious Frederic E. Mohs Award and Distinguished Service Award will be recognized.



2:00 – 2:15 pm

Fellow-in-Training Clinicopathologic Case Competition Award Winner

Grand Ballroom/Level 3
(0.25 Credit Hour)

At the conclusion of this session, participants should be able to recall an uncommon or rare pathology or that illustrate prototypical diagnostic challenges and keys to diagnosis or tumor detection.

Moderator: Allison T. Vidimos, MD, RPh, FACMS
2019 Winner: Jennifer Ledon, MD

2:15 – 3:15 pm

Digital Diagnostic Quality Control Exam Review

Grand Ballroom/Level 3
(1.00 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Recognize the false positives and false negatives in Mohs histopathology sections;
- 2) Improve dermatopathology skills to help distinguish benign findings from malignant processes;
- 3) Recognize errors in frozen-section tissue processing.

Moderators: Sumaira Z. Aasi, MD, FACMS; Bryan T. Carroll, MD, PhD, FACMS

Speakers: Diana Bolotin, MD, PhD, FACMS; Alison B. Durham, MD, FACMS; Matthew C. Fox, MD, FACMS; Thomas J. Knackstedt, MD; Divya Srivastava, MD, FACMS

3:15 – 3:30 pm

Break

Harborside Ballroom/Level 4
(CME Not offered)

Scientific Program – Friday, May 3

3:30 – 4:30 pm

Scientific Abstract Session

Grand Ballroom/Level 3

(1.00 Credit Hour)

At the conclusion of this session, participants should be able to identify new research developments in Mohs surgery and oncology.

Moderators: Jerry D. Brewer, MD, MS, FACMS; Desiree Ratner, MD, FACMS

3:30-3:37 pm

Long-Term Clinical Outcomes of Patients with Cutaneous Squamous Cell Carcinoma (CSCC) Treated with Mohs Surgery: A Five-Year, Multicenter, Prospective Cohort Study

Amanda J. Tschetter, MD¹; Michael Campoli, MD, PhD²; John A. Zitelli, MD³; David G. Brodland, MD³

1. Dermatology Specialists, PA, Edina, MN
2. Fairview Health Services, Wyoming, MN
3. Zitelli & Brodland, PC, Pittsburgh, PA

3:38-3:45 pm

Development of a Prognostic Gene Expression Profile Test in Cutaneous Squamous Cell Carcinoma in Patients with One or More High Risk Features

Sarah T. Arron, MD, PhD¹; Ashley Wysong, MD²; Sherrif F. Ibrahim, MD, PhD³; Nathan J. Cleaver, DO⁴; Ian A. Maher, MD⁵; David Panther, MD⁶; David G. Brodland, MD⁶; Jason G. Newman, MD, FACS⁷; Kyle R. Covington, PhD⁸; Chrysalyne D. Schmults, MD, MSCE⁹

1. University of California San Francisco, San Francisco, CA
2. University of Nebraska Medical Center, Omaha, NE
3. University of Rochester, Rochester, NY
4. Cleaver Dermatology, Kirksville, MS
5. University of Minnesota, Minneapolis, MN
6. Zitelli & Brodland, P.C., Pittsburgh, PA
7. University of Pennsylvania, Philadelphia, PA
8. Castle Biosciences, Inc., Friendswood, TX
9. Brigham and Women's Hospital, Boston, MA

3:46-3:53 pm

Combined Reflectance Confocal Microscopy and Optical Coherence Tomography to Evaluate Basal Cell Carcinoma Residual Disease and Margins

Saud Aleissa, MD¹; William Phillips¹; Kishwer S. Nehal, MD¹

1. Memorial Sloan Kettering Cancer Center, New York, NY

3:54-4:01 pm

Outcomes in Intermediate Risk Squamous Cell Carcinomas Treated with Mohs Micrographic Surgery Compared to Wide Local Excision

David Xiong, BS¹; Brandon T. Beal, MD¹; Vamsi Varra, BS¹; Hannah Cundall, BS¹; Marla Rodriguez, BS¹; Neil Woody, MD¹; Allison T. Vidimos, MD, RPh¹; Shlomo A. Koyfman, MD¹; Thomas Knackstedt, MD^{1,2}

1. Cleveland Clinic Foundation, Cleveland, OH
2. MetroHealth, Cleveland, OH

4:02-4:09 pm

Trends in Interpolated Flap Repairs on the Nose, Eyelids, Ears, and Lips Following Skin Cancer Excision

Michael P. Lee^{1,2}; Christopher J. Miller, MD¹; Joseph F. Sobanko, MD¹; Thuzar M. Shin, MD¹; Nicole Howe¹; Shannon W. Zullo¹; Jeremy R. Etzkorn, MD¹

1. University of Pennsylvania, Philadelphia, PA
2. Eastern Virginia Medical School, Norfolk, VA

4:10-4:17 pm

Improved Overall Survival of Melanoma of the Head and Neck Treated with Mohs Micrographic Surgery versus Wide Local Excision

Jamie Hanson, MD^{1,2}; Addison Demer, MD^{1,2}; Walter Liszewski, MD^{1,2}; Ian A. Maher, MD²

1. Minneapolis Veterans Affairs Medical Center, Minneapolis, MN
2. University of Minnesota, Minneapolis, MN

4:18-4:25 pm

Evaluation of the Utility of Localized Adjuvant Radiation for Primary Cutaneous Squamous Cell Carcinoma with Clear Histologic Margins

Emily Ruiz, MD, MPH¹; Syril K. Que, MD, MPH²; Chrysalyne Schmults, MD, MSCE¹

1. Brigham and Women's Hospital, Jamaica Plain, MA
2. Indiana University, Indianapolis, IN

4:30 – 5:15 pm

Video Reconstruction: Transposition Flaps ♦

Grand Ballroom/Level 3

(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Execute transposition flaps with confidence following step-by-step video guidance;
- 2) Employ pearls to optimize flap outcomes;
- 3) Improve your flap plane selection and undermining technique.

Moderators: Glenn D. Goldman, MD, FACMS; John A. Zitelli, MD, FACMS

Speakers: David G. Brodland, MD, FACMS; Christine H. Weinberger, MD, FACMS

5:30 – 6:30 pm

Program Directors' Session

Grand Salon 1-2/Level 3

(Non-CME session)

6:30 – 8:00 pm

Fellows-in-training Reception

Waterview Ballroom/Level 1

(CME Not offered)

Scientific Program – Saturday, May 4

7:00 – 8:15 am

Concurrent Morning Mini-Sessions

302.1 Step by Step: Reconstruction Involving Multiple Cosmetic Subunits ♦

Grand Salon 1-2/Level 3
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Identify how to break down defects and design appropriate closures for defects that involve two or more cosmetic subunits;
- 2) Outline the individual steps involved in the design and execution of specific closures of multiple subunit defects;
- 3) Describe adverse outcomes of commonly used traditional closures that ignore cosmetic and functional anatomic imperatives.

J. Michael Wentzell, MD, FACMS; Ashley Wysong, MD, MS, FACMS

302.2 Mohs on the Hands and Feet ♦

Grand Salon 3-4/Level 3
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Describe the anatomy and perioperative considerations for surgery of the hands, feet and nail apparatus;
- 2) Select techniques to reliably perform Mohs surgery and obtain high quality frozen sections for periungual tumors including nail squamous cell carcinoma and melanoma;
- 3) Discuss management and reconstructive approaches for surgical defects of the hands, feet and nail apparatus.

Nathaniel J. Jellinek, MD, FACMS; Thomas J. Knackstedt, MD

302.3 Pain Control and Opioid Prescribing

Dover A-C/Level 3
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Review optimal perioperative acute pain management;
- 2) Select suitable case-based pain management options;
- 3) Identify state regulations, prescribing guidelines, and toolkits.

Bryan T. Carroll, MD, PhD, FACMS; Hillary Johnson-Jahangir, MD, PhD, FACMS; Rajiv I. Nijhawan, MD, FACMS; Allison T. Vidimos, MD, RPh, FACMS

302.4 Mohs on the Genitalia ♦

Essex A-B/Level 4
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Review most common genital cutaneous malignancies;
- 2) Identify etiology and incidence for common malignancies;
- 3) Identify anatomic considerations for treatment and follow-up;
- 4) Discuss effect of vaccine on incidence treatment of genital SCC.

Susan E. Dozier, MD, FACMS; Maral K. Skelsey, MD, FACMS

302.5 Merkel Cell Carcinoma Update

Galena/Level 4
(1.25 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Describe the clinical presentation of Merkel cell carcinoma including locoregional clinical recurrence;
- 2) Review multidisciplinary management of Merkel cell carcinoma including management of the primary site and staging work-up;
- 3) Review role of systemic therapy and clinical trials for Merkel cell carcinoma.

Kelly Harms, MD, PhD; Siegrid S. Yu, MD, FACMS

8:30 – 9:15 am

Step by Step: Nasal Reconstruction

Grand Ballroom/Level 3
(0.75 Credit Hours)

At the conclusion of this session, participants should be able to:

- 1) Plan and execute select flaps for nasal reconstruction;
- 2) Recognize pitfalls and possible complications associated with these closures.

Moderators: Jeremy S. Bordeaux, MD, MPH, FACMS; Joel Cook, MD, FACMS; Paul J. M. Salmon, MD, FACMS

9:30 am – 4:00 pm

Exhibit Hall Open

Harborside Ballroom/Level 4

9:15 – 10:00 am

Slippery Slides: Artifacts, Mimickers, and Challenges in Frozen Sections ♦

Grand Ballroom/Level 3
(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Avoid common pitfalls when interpreting tangential Mohs micrographic frozen sections;
- 2) Identify and address technical issues that contribute to suboptimal frozen sectional analysis, from microscope ergonomics to slide preparation;
- 3) Recognize both the benefits and the risks of permanent section analysis of re-embedded Mohs blocks.

Moderators: John K. Geisse, MD, FACMS; Valencia D. Thomas, MD, FACMS

Re-Embedding Mohs Blocks and Optimal Ergonomics in Microscopy

John K. Geisse, MD, FACMS

Risk and Benefits of Permanent Section Analysis

Valencia D. Thomas MD, FACMS

MART-1 and Melanoma in situ

Drew Saylor, MD

Scientific Program – Saturday, May 4

Common Pitfalls in Interpreting Tangential Mohs Sections

Eva D. Hurst, MD, FACMS

Technical Issues that Contribute to Suboptimal Frozen Section Analysis

Carl D. Schanbacher, MD, FACMS

10:00 – 10:15 am

Break

Harborside Ballroom/Level 4

(CME Not offered)

FOCUS ON MULTIDISCIPLINARY CARE

10:15 – 11:00 am

Skin Cancer Update: Multidisciplinary Perspective

Grand Ballroom/Level 3

(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Describe the role of radiation in the treatment of head and neck cancer;
- 2) Identify recent advances in non-surgical approaches to head and neck malignancies;
- 3) Define the role of immunotherapy for the treatment of cutaneous squamous cell carcinomas.

Moderator: Zaineb H. Makhzoumi, MD, MPH, FACMS

Guest Speakers: Scott E. Strome, MD (head and neck surgeon); Mohan Suntha, MD, MBA (radiation oncologist)

11:00 am – 12:00 pm

Multidisciplinary Tumor Board

Grand Ballroom/Level 3

(1.00 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Describe the presentation of high risk tumors;
- 2) Complete coordination of multidisciplinary care for these patients;
- 3) Identify and describe risk factors for these tumors and implement treatments to improve outcomes

Moderator: Zaineb H. Makhzoumi, MD, MPH, FACMS

Panelists: Elizabeth M. Billingsley, MD, FACMS; Roy C. Grekin, MD, FACMS

Guest Panelists: Petr F. Hausner, MD, PhD; Scott E. Strome, MD; Mohan Suntha, MD, MBA

12:00 – 1:00 pm

Lunch in the Exhibit Hall

Harborside Ballroom/Level 4

(CME Not offered)

FOCUS ON THE EYE

1:00 – 1:30 pm

Eyelid and Orbital Anatomy

(Grand Ballroom/Level 3

(0.50 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Identify the layered anatomy of the periorbital region and appreciate the relationship between skin, mimetic muscles, fat pads and associated neurovascular structures;
- 2) Identify important danger zones using surface landmarks and key anatomical structures;
- 3) Describe traversing intraorbital structures;
- 4) Describe the contents of the anterior and posterior lamella of the eyelid and how they relate to each other.

Moderators: Thuzar M. Shin, MD, PhD, FACMS; Siegrid S. Yu, MD, FACMS

Guest Speaker: Nirusha Lachman, PhD

1:30 – 1:45 pm

Computer-Assisted Design for Periocular Reconstruction

Grand Ballroom/Level 3

(0.25 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Describe use of technology for reconstructive design;
- 2) Demonstrate a novel approach for computer-assisted design.

Moderators: Thuzar M. Shin, MD, PhD, FACMS; Siegrid S. Yu, MD, FACMS

Guest Speaker: Nicholas R. Mahoney, MD

1:45 – 2:30 pm

Oculoplastic Approach to Eyelid Reconstruction

Grand Ballroom/Level 3

(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Describe restoration of eyelid anatomy during reconstruction and thus protection of globe;
- 2) Discuss a variety of reconstructive techniques for the eyelid;
- 3) Distinguish common pitfalls in eyelid reconstruction and approaches to revision.

Moderators: Thuzar M. Shin, MD, PhD, FACMS; Siegrid S. Yu, MD, FACMS

Guest Speaker: M. Reza Vagefi, MD

Scientific Program – Saturday, May 4

2:30 – 3:15 pm

How Would You Reconstruct This Eyelid? ♦

Grand Ballroom/Level 3
(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Compare surgical approaches between ophthalmology and dermatology;
- 2) Describe approaches to reconstructive design;
- 3) Discuss complex reconstructive techniques for the eyelid.

Moderators: Thuzar M. Shin, MD, PhD, FACMS; Siegrid S. Yu, MD, FACMS

Panelists: John G. Albertini, MD, FACMS; Jeremy Etzkorn, MD, FACMS

Guest Panelists: Nicholas R. Mahoney, MD; M. Reza Vagefi, MD

3:15 – 3:30 pm

Break

Harborside Ballroom/Level 4
(CME Not offered)

3:30 – 4:30 pm

Rapid Pearl Abstract Session

Grand Ballroom/Level 3
(1.00 Credit Hour)

At the conclusion of this session, participants should be able to recall anecdotal pearls in Mohs surgery technique, frozen section pathology, reconstructive surgery, and practice management.

Moderators: Matthew C. Fox, MD, FACMS; Faramarz H. Samie, MD, PhD, FACMS

3:30-3:32 pm

Flipped Island Pedicle Flap for Reconstruction of Broad Nasal Defects

Ankit Gor, MD¹; Todd Holmes, MD¹

1. University of Vermont Medical Center, Burlington, VT

3:33-3:35 pm

Refining the 'Pin-Point Technique' for Pexing Sutures in Facial Reconstruction

Toby Nelson, BSc (Hons), MB, BS, MRCP¹; Neil Mortimer, MbChB Bsc (Hons), FRCP (UK)²; Paul Salmon, BbB, MBChB, FRACP²

1. University Hospitals Plymouth NHS Trust, United Kingdom
2. Skin Cancer Institute, Tauranga, New Zealand

3:36-3:38 pm

"West by East-West": A Combination Reconstruction of a Burow's Advancement and Crescentic Advancement Flaps for Large or Multiple Defects of the Nasal Tip

Stanislav N. Tolkachjov, MD²; Brian J. King, MD¹

1. Surgical Dermatology Group, Vestavia, AL
2. Epiphany Dermatology, The Colony, TX

3:39-3:41 pm

"Clock Face" Mapping Combined with Coverslip Marking to Improve Subsequent Mohs Layer Accuracy and Precision

Michael S. Stratton, MD¹; Conway Huang, MD¹; Carlton B. Phillips, MD¹

1. University of Alabama – Birmingham, Birmingham, AL

3:42-3:44 pm

Utility of the Medial Cheek to Repair Nasal Mucosal Lining: The Combined Medial Cheek Island Turn-Over Flap and Paramedian Forehead Flap

Geoffrey F.S. Lim, MD¹; David G. Brodland, MD¹

1. Zitelli & Brodland, PC, Pittsburgh, PA

3:45-3:47 pm

Decolorizing Hematoxylin and Eosin Stained Mohs Frozen Sections and Subsequent Immunostaining

Richard G. Bennett, MD^{1,2}; Gene Kim¹

1. Keck School of Medicine, University of Southern California, Los Angeles, CA
2. David Geffen School of Medicine, University of California Los Angeles, Los Angeles, CA

3:48-3:50 pm

Mucosal Rhombic Transposition Flap

Kayla L. McNiece¹; David Kent, MD¹

1. Skin Physicians of Georgia, Macon, GA

3:51-3:53 pm

Retrospective Review of Double-Opposed Z-Plasties in the Closure of Mohs Micrographic Defects on the Lower Leg

James L. Griffith, MD, MS¹; Mario Mitkov, MD¹; Kelly Flynn, MS²; Mary Dyson, BS³; Leonard H. Goldberg, MD³; Arash Kimyai-Asadi, MD³

1. Houston Methodist Hospital, Houston, TX
2. Texas A&M Health Science Center, Bryan, TX
3. DermSurgery Associates, Houston, TX

3:54-3:56 pm

The Use of Cross-Polarized Surgical Loupes in Mohs Micrographic Surgery

Zain Syed, MD, MBA¹

1. Skin Care Specialty Physicians, Lutherville, MD

3:57-3:59 pm

Easy and Precise Method for Drawing Z-Plasty Angles

Ally-Khan Somani, MD, PhD¹

1. Indiana University School of Medicine, Indianapolis, IN

Scientific Program – Saturday, May 4

4:00-4:02 pm

Harnessing IoT Buttons to Enhance Mohs Clinic Efficiency

Su Luo, MD¹

1. Lahey Hospital and Medical Center, Burlington, MA

4:03-4:05 pm

Running Locked Bolster Suture Technique for Securing Bolster Dressings

Daria Marley Kemp, MD¹; Paul Benedetto, MD¹; Ernest Benedetto, MD¹; Anthony Benedetto, MD¹

1. Dermatologic SurgiCenter, Drexel Hill, PA

4:06-4:08 pm

Successful Treatment of Penile Verrucous Carcinoma with Mohs Micrographic Surgery

Ekama Carlson, MD, PhD¹

1. Kaiser Permanente, San Rafael, CA

4:09-4:11 pm

Single-Stage Reconstruction of Full-Thickness Alar Defects with Dual Island Pedicle Flaps

Jeffrey F. Scott, MD¹; Jeremy Bordeaux, MD, MPH¹

1. University Hospitals Cleveland Medical Center, Cleveland, OH

4:12-4:14 pm

Interpolated Paranasal Flaps for Defects Involving the Nasal Tip

Ravi Krishnan, MD¹

1. Virginia Mason Medical Center, Seattle, WA

4:30 – 5:15 pm

Defining Quality in Mohs Surgery

Grand Ballroom/Level 3

(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Describe the evolution of the quality concept in dermatologic surgery;
- 2) Summarize the need for data collection tools to ensure quality in your practice;
- 3) Describe the critical need for data registries to define and improve our specialty.

Moderators: Marta J. VanBeek, MD, MPH, FACMS; Oliver J. Wisco, DO, FACMS

Making the Best Even Better

Howard W. Rogers, MD, PhD, FACMS

Constant Change: The Quality Cycle

Marta J. VanBeek, MD, MPH, FACMS

Quality Evolution - Past to Present, Moving Towards Clinical Integration

Oliver J. Wisco, DO, FACMS

Scientific Program – Sunday, May 5

8:30 – 9:15 am

Controversies in Mohs Surgery

Grand Ballroom/Level 3
(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Identify divergent opinions regarding nodal staging in squamous cell carcinoma, wound reconstruction prior to final histology interpretation during Mohs excision, and practical and ethical issues for practices owned by for-profit investment groups;
- 2) Recount information regarding varying opinions and arguments related to the above topics via pro and con presentations by experts;
- 3) Assess knowledge and opinion related to the topics presented

Moderator: Chrysalyne D. Schmults, MD, MSCE, FACMS

Physician Reimbursement & Optimal Care Delivery: Are Incentives In Line or Out of Line?

Pro: Chrysalyne D. Schmults, MD, MSCE, FACMS
Con: Joseph K. Francis, MD, FACMS

Nodal Staging for Cutaneous SCC: Overkill or Preventing Kill?

Pro: Matthew C. Fox, MD, FACMS
Con: John A. Zitelli, MD, FACMS

Mohs and Close: Efficient or Dangerous?

Pro: Emily S. Ruiz, MD, MPH
Con: Carl V. Washington, MD, FACMS

9:15 – 10:00 am

Case-Based Coding

Grand Ballroom/Level 3
(0.75 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Identify changes for CPT for 2019 and address complex billing situations;
- 2) Document procedures effectively to meet CMS requirements and recognize how the Mohs Registry will assist with MIPS;
- 3) Recognize the potential for quality improvement through the Improving Wisely program.

Moderators: John G. Albertini, MD, FACMS; Glenn D. Goldman, MD, FACMS

10:00 – 11:00 am

Video Reconstruction: Advanced Flaps ♦

Grand Ballroom/Level 3
(1.00 Credit Hour)

At the conclusion of this session, participants should be able to:

- 1) Analyze the anatomy of the perforators of the angular artery for staged reconstruction of defects on the nose and lip;
- 2) Describe distal nasal reconstruction using bilobed and trilobed flaps
- 3) Evaluate complex central facial defects with Abbe lip switch and multi-flap repairs.

Moderators: Nathaniel J. Jellinek, MD, FACMS; Irèn Kossintseva, MD; Christopher J. Miller, MD, FACMS

11:00 am – 12:00 pm

MOC Self-Assessment: Procedural Dermatology

Grand Ballroom/Level 3
(Non-CME session)

At the conclusion of this session, participants should be able to:

- 1) Review key concepts in nail surgery, lasers, and venous disease;
- 2) Recognize the various types of chemical peels and discuss the benefits and complications;
- 3) Describe the principles of anesthesia in relation to pregnancy and drug allergy.

Moderator: Vineet Mishra, MD, FACMS

Speakers: Travis W. Blalock, MD, FACMS; William J. Tidwell, MD; Ashley Wysong, MD, MS, FACMS; Daniel E. Zelac, MD, FACMS

12:00 pm

Meeting adjourns

Do you know where your patients go when they leave your office?

We do.

They come to The Skin Cancer Foundation. Every day, 40,000 people visit our website to learn more about their skin cancer. These are the patients that you just met with, and the ones you will meet tomorrow.

Visit booth #313 to learn what we do and how you can help.

Questions? Contact Brian Hanley
bhanley@skincancer.org | 646.583.7988

 SkinCancer.org

 /SkinCancerFoundation

  @SkinCancerOrg

PROUD PARTNER OF

ACMS American College
of Mohs Surgery

40
SKIN
CANCER
FOUNDATION
**YEARS OF
SERVICE**



Cut and stain perfect frozen sections

Buy a Tissue-Tek® Cryo₃® Flex Cryostat, Mohs and a Histo-Tek® Mini Stainer plus consumables for only \$25,000.00!

Enjoy the first and only cryostat with a Winged Chuck optimized for Mohs surgery. The Histo-Tek Mini Stainer is a perfect complement to the Tissue-Tek Cryo₃ Flex Cryostat, Mohs for fast, reproducible and high quality slides.

Visit Sakura Finetek at booth 217 for more details.

continuous innovation for pathology



0008371-01 Rev. B

MOHSTEK.COM
(888)-559-6647

CALIFORNIA'S FAVORITE
HISTOLOGY LAB AND
MOHS TECHNICIAN SERVICE
IS NOW **CLIA CERTIFIED.**

**frozen.
permanent.
perfect.**

OUR SERVICES:

- MOHS TECHNICIAN OUTSOURCING
- BIOPSY PREPARATION
- BIOPSY DIAGNOSIS

MOHS-TEK, INC. IS BASED IN THREE
STATES: CALIFORNIA, ARIZONA, NEVADA.
WE PRODUCE HIGH-QUALITY AND
ECONOMICAL BIOPSIES WITH ACCURATE
AND QUICK RESULTS

Poster Presentation List

Posters will be displayed in the Harborside Foyer outside the Exhibit Hall (Harborside Ballroom/Level 4). Posters will be displayed from 11:00 am Thursday, May 2 through 4:00 pm Saturday, May 4.

Authors have been requested to stand by their poster to answer any questions during the following timeframes:

Even Number Posters (2 – 50): Thursday, May 2 from 12:00 – 1:00 pm

Odd Number Posters (1 – 49): Saturday, May 4 from 12:00 – 1:00 pm

1

Mohs Micrographic Surgery for DFSP: No Local Recurrences in 67 Patients and Minimal Negative Impact on Patient-Reported Quality of Life

Julie M. Bittar, BA¹; Donald E. Neal, BA²; Marilyn T. Wan, MBChB³; John M. Sharkey, BA⁴; Nicole M. Howe, MD³; Thuzar M. Shin, MD, PhD³; Jeremy R. Etzkorn, MD³; Joseph F. Sobanko, MD³; Christopher J. Miller, MD³

1. Indiana University School of Medicine, Indianapolis, IN
2. Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, PA
3. Hospital of the University of Pennsylvania, Philadelphia, PA
4. St. George's University School of Medicine, Grenada, West Indies

2

Repair of Anterior Ear Defects Utilizing Transcartilage Island Pedicle Flaps

Mary E. Dyson, BS¹; Maideh Orangi¹; Leonard H. Goldberg, MD¹; Arash Kimyai-Asadi, MD¹

1. DermSurgery Associates, Houston, TX

3

Association Between Closure Type, Post-Operative Care and Surgical Site Infection Rate in Lower Extremity Dermatologic Surgery

Neera Nathan, MD, MSHS¹; Jeffrey Tiger, MD²; Laura Sowerby, MD²; Suzanne Olbricht, MD³; Su Luo, MD²

1. Harvard Combined/Massachusetts General Hospital, Boston, MA
2. Lahey Hospital and Medical Center, Burlington, MA
3. Beth Israel Deaconess Medical Center, Boston, MA

4

Post-Operative Pain after Mohs Micrographic Surgery: Analyzing Physician Perceptions of Postoperative Pain and how Those Perceptions Affect Opioid Prescribing Practices

Joshua D. Eikenberg, MD, MPH¹; Savannah Taylor, MS¹; Kyle A. Prickett, MD¹; Mariana A. Phillips, MD¹

1. Virginia Tech Carilion School of Medicine, Roanoke, VA

5

Immune Checkpoint Inhibitor Therapy in Solid Organ Transplant Recipients: A Patient-Centered Systematic Review

Juliya Fisher, MD¹; Nathalie Zeitouni, MD²; Faramarz H. Samie, MD, PhD¹

1. Columbia University Medical Center, New York, NY
2. University of Arizona, Phoenix, AZ

6

Bacteriostatic Saline Reduces Discomfort of 1% Lidocaine with Epinephrine Injection

Kayla L. McNiece¹; Steven Kent²; David Kent, MD^{1,2}

1. Skin Physicians of Georgia, Macon, GA
2. Medical College of Georgia, Augusta, GA

7

Novel Observations Regarding Infection Risk in Lower Extremity Wounds Healing by Second Intention

Gabriel E. Molina, BS¹; Sherry H. Yu, MD²; Victor A. Neel, MD, PhD²

1. Harvard Medical School, Boston, MA
2. Massachusetts General Hospital, Boston, MA

8

Optimal Shape of Post-Primary Mohs Layers for Tumors of the Head and Neck, an International Survey

Kimberlee Lim, MD^{1,2}; Gregory Neal-Smith, MD²; Bethan Swift, MSc³; Zoe Askham²; Sarah Felton, MD²

1. Bristol Royal Infirmary, Bristol, United Kingdom
2. Oxford University Hospitals NHS Foundation Trust, Oxford, United Kingdom
3. Lincoln College, Oxford, United Kingdom

9

Surgical Site Infection Risk Associated with Integra Bilayer Wound Matrix Use Following Excision of Cutaneous Neoplasms – A Multi-Specialty Single Institution Study

Michael P. Lee^{1,2}; Christopher J. Miller, MD¹; Joseph F. Sobanko, MD¹; Thuzar M. Shin, MD¹; Nicole Howe¹; Shannon W. Zullo¹; Jeremy R. Etzkorn, MD¹

1. University of Pennsylvania, Philadelphia, PA
2. Eastern Virginia Medical School, Norfolk, VA

Poster Presentation List

- 10**
Conversion of a Validated Melanoma Risk Stratification Tool into an Electronic Medical Record-Based Patient Questionnaire for Melanoma Screening
Dennis Kim, MD¹
1. Brigham and Women's Hospital, Jamaica Plain, MA
- 11**
A Comprehensive Case Series of a Monday through Friday Vismodegib Dosing Regimen for the Treatment, Neoadjuvant Treatment, and Palliative Treatment of Advanced Basal Cell Carcinoma
Christina Wong, MD¹; Allison T. Vidimos, MD¹
1. Cleveland Clinic Foundation, Cleveland, OH
- 12**
Does Any Mask Block Potentially Hazardous Chemicals Produced During Procedures that Generate a Smoke Plume?
Lisa Chastant, MD¹; Hillary Johnson-Jahangir, MD, PhD ²
1. Keesler AFB, USAF, Biloxi, MS
2. University of Iowa, Iowa City, IA
- 13**
Defining Perineural Invasion in Cutaneous Squamous Cell Carcinoma
Mariam Totonchy, MD¹; Kathleen Suozzi, MD¹; David Leffell, MD¹; Sean Christensen, PhD, MD¹
1. Yale, New Haven, CT
- 14**
Clinicopathologic Characteristics, Tumor Staging, and Outcomes of Patients with Metastatic Cutaneous Squamous Cell Carcinoma
Adam Schmitt, MD, MS¹; Aaron Mangold, MD²; Connor Maly²; Lanyu Mi²; Christian Baum, MD¹
1. Mayo Clinic, Rochester, MN
2. Mayo Clinic, Scottsdale, AZ
- 15**
Interrupted Subdermal Suture Spacing during Linear Wound Closures and the Effect on Wound Cosmesis: A Randomized Evaluator Blinded Split Wound Comparative Effectiveness Trial
Karin Eshagh, MD¹; Daniel B. Eisen, MD¹
1. UC Davis, Sacramento, CA
- 16**
Skin Cancer Awareness in Solid Organ Transplant Recipients: Patient Survey Study
Colton B. Nielson¹; Abel Torres, MD, JD, MBA¹
1. University of Florida, Gainesville, FL
- 17**
Gender Disparities in Reimbursement among Board-Certified Dermatologists and Dermatologic Surgeons
Radhika Srivastava, BA¹; Ann M. John, MD¹; Troy Brancard, BA²; Roger Henry, MBS¹; Pamela A. Ohman-Strickland, PhD²; Bahar F. Firoz, MD, MPH¹
1. Rutgers Robert Wood Johnson Medical School, Somerset, NJ
2. Rutgers University School of Public Health, West Piscataway, NJ
- 18**
Evaluating the Impact of Margin Documentation and Margin Appropriateness on Cutaneous Squamous Cell Carcinoma Outcomes
Brandon T. Beal, MD¹; David Xiong, BS¹; Hannah Cundall, BS¹; Vamsi Varra, BS¹; Marla Rodriguez, BS¹; Neil Woody, MD¹; Allison T. Vidimos, MD, RPh¹; Shlomo A. Koyfman, MD¹; Thomas Knackstedt, MD^{1,2}
1. Cleveland Clinic Foundation, Cleveland, OH
2. MetroHealth, Cleveland, OH
- 19**
Efficacy of Smoke Evacuation Systems in the Filtration of Particulate Matter Present in Surgical Plume
Nayoung Lee, MD¹; S. Brian Jiang, MD¹
1. University of California-San Diego, San Diego, CA
- 20**
Patient Satisfaction with Facial Appearance and Scar Outcome after Skin Cancer Surgery
Thomas Bander^{1,2}; Toral S. Vaidya, MPH¹; Erica Lee, MD¹
1. Memorial Sloan Kettering Cancer Center, New York, NY
2. Weill Cornell Medical Center, New York, NY

Poster Presentation List

21

Developing Standards for Surgical Technique of Mohs Micrographic Surgery with Frozen Section Cytokeratin-7 Immunostains for Primary Extramammary Paget's Disease (EMPD): No Local Recurrences and Favorable Patient-Reported Assessment of Function and Scar Appearance in 20 Cases

Julie M. Bittar, BA¹; Donald E. Neal, BA²; Marilyn T. Wan, MBChB, MPH³; Peter G. Bittar, MD¹; John M. Sharkey, BA⁴; Jeremy R. Etzkorn, MD³; Thuzar M. Shin, MD, PhD³; Joseph F. Sobanko, MD³; Christopher J. Miller, MD³

1. Indiana University School of Medicine, Indianapolis, IN
2. Sidney Kimmel Medical College, Thomas Jefferson University, Philadelphia, PA
3. Hospital of the University of Pennsylvania, Philadelphia, PA
4. St. George School of Medicine, Grenada

22

Gene Expression Profiling of Cutaneous Basal Cell Carcinomas and Squamous Cell Carcinomas Reveals Distinct Transcriptomic Landscapes

Jun Wan, PhD¹; Hongji Dai, PhD²; Xiaoli Zhang, BSc¹; Yuan Lin, MD, PhD¹; Ally-Khan Somani, MD, PhD¹; Jingwu Xie, PhD¹; Jiali Han, PhD¹

1. Indiana University School of Medicine, Indianapolis, IN
2. Indiana University, Indianapolis, IN

23

Pain Anticipation and Subsequent Pain Perception with the Application of a Vibratory Stimulus: A Single-Center, Randomized Trial

Panayiota Govas, MD, MScMed¹; Rashek Kazi, MD, PhD¹; Rachel M. Slaughaupt¹; Bryan T. Carroll, MD¹

1. University of Pittsburgh Medical Center, Pittsburgh, PA

24

Understanding Public Awareness of Mohs Surgery and Skin Cancer through Social Media Trends

Gaurav Singh, MD, MPH¹; Hao Feng, MD, MHS^{1,2}

1. NYU Langone Health, New York, NY
2. Laser and Skin Surgery Center of New York, New York, NY

26

Patient Satisfaction with Mohs Surgery for Melanoma in situ

Daniel Condie, MD¹; Jerry Smith, MD²; Lindsey West¹; Divya Srivastava, MD¹

1. UT Southwestern Medical Center, Dallas, TX
2. Belle Meade Dermatology, Nashville, TN

27

Tumors of the Nasal Vestibule: Crucial Distinctions

Patricia Richey¹; Brian Swick¹; Hillary Johnson-Jahangir, MD¹

1. University of Iowa, Iowa City, IA

28

Photodynamic Therapy for Primary Squamous Cell Carcinoma in situ: Impact of Anatomic Location, Tumor Diameter and Incubation Time on Efficacy

Nour Kibbi, MD¹; Yuemei Zhang, MD¹; David J. Leffell, MD¹; Sean R. Christensen, MD, PhD¹

1. Yale University, New Haven, CT

30

Complication Rates of Serial Staged Excision and Delayed Reconstruction of Pigmented Cutaneous Neoplasms: A Single Institution Retrospective Review

Jonathan St. Pierre Smith, DO¹; Brenda Young²; S. Brian Jiang, MD¹

1. University of California-San Diego Health, San Diego, CA
2. University of California San Diego School of Medicine, La Jolla, CA

31

Variable Pain Reduction with Application of Vibratory Stimulus

Rashek Kazi, MD, PhD¹; Panayiota Govas, MD, MScMed¹; Rachel Slaughaupt²; Bryan Carroll, MD¹

1. University of Pittsburgh Medical Center, Pittsburgh, PA
2. Emory University, Atlanta, GA

32

Characterizing Recurrent Non-Melanoma Skin Cancers in a Subset of Constant Patients

Kirsten E. Dickinson¹; Emily Weig¹; Faraaz Zafar¹; Nkanyenzi Ferguson, MD¹; Marta VanBeek, MD¹; Hillary Johnson-Jahangir, MD¹

1. University of Iowa, Iowa City, IA

33

Platelet Count Correlates with Stage and Predicts Survival in Melanoma

Saleh Rachidi, MD, PhD¹; Maneet Kaur, MPH¹; Tim Lautenschlaeger, MD²; Zihai Li, MD, PhD³

1. Johns Hopkins, Baltimore, MD
2. Indiana University, Indianapolis, IN
3. Medical University of South Carolina, Charleston, SC

Poster Presentation List

34

Meta-Analysis of the Prognostic 31-Gene Expression Profile Test in 1472 Cutaneous Melanoma Cases

Bradley N. Greenhaw, MD¹; Kyle R. Covington, PhD²; Kristen M. Plasseraud, PhD²; Robert W. Cook, PhD²; Maria L. Wei, MD, PhD^{3,4}

1. Dermatology Center of North Mississippi, Tupelo, MS
2. Castle Biosciences, Inc., Friendswood, TX
3. University of California-San Francisco, San Francisco, CA
4. San Francisco Veterans Affairs Medical Center, San Francisco, CA

35

Free Cartilage Batten Grafting with Secondary Intention Healing for Surgical Defects on the Distal Nose: Our 129 Case Experience

Dong Joo Kim, MD¹; Joy Makdisi, MD²; Christina Regan, BS^{3,4}; Elizabeth Chao, MD, PhD⁵; Adam M. Rotunda, MD^{1,4}

1. University of California-Irvine, Irvine, CA
2. The University of British Columbia, Vancouver, BC, Canada
3. Cornell University, Ithaca, NY
4. Newport Skin Cancer, Newport Beach, CA
5. University of Pittsburgh, Pittsburgh, PA

36

Local Recurrence Rates for Different Surgical Techniques to Treat Cutaneous Melanoma of the Head and Neck: A Systematic Review

Julie M. Bittar, BA¹; Peter G. Bittar, MD¹; Jeremy R. Etzkorn, MD²; Thuzar M. Shin, MD, PhD²; Joseph F. Sobanko, MD²; Renee Pride, MD³; Jerry Brewer, MD, MS³; Christopher J. Miller, MD²

1. Indiana University School of Medicine, Indianapolis, IN
2. Hospital of the University of Pennsylvania, Philadelphia, PA
3. Mayo Clinic, Rochester, MN

37

Evaluation of Virtual H&E-Stained Optical Sections using Nonlinear Microscopy for Recognizing BCC in Mohs Surgery—An Alternative to Frozen Sections

Daihung Do, MD¹; Michael Giacomelli, PhD²; Beverly Faulkner-Jones, MD, PhD¹; James Fujimoto, PhD³

1. Beth Israel Deaconess Medical Center, Boston, MA
2. University of Rochester, Rochester, NY
3. Massachusetts Institute of Technology, Cambridge, MA

38

Transient Delayed Facial Nerve Palsy after Local Anesthesia at Mandible for Mohs Surgery

Maggie L. Chow, MD, PhD¹; Jeremy Hu, MD, MPH¹

1. Keck Medical Center of the University of Southern California, Los Angeles, CA

39

High Local Recurrence Risk Features Associated with the Use of Frozen Section Cytokeratin AE1/AE3 Immunohistochemical Staining during Mohs Micrographic Surgery of 5,974 Squamous Cell Carcinomas: A Case-Control Study

Shannon W. Zullo, MS¹; Christopher J. Miller, MD¹; Jeremy R. Etzkorn, MD¹; Michael P. Lee, BS¹; Nicole M. Howe, MD¹; Thuzar M. Shin, MD¹; Nadia Abidi, MD²; Joseph F. Sobanko, MD¹

1. University of Pennsylvania, Philadelphia, PA
2. University of Missouri, Columbia, MO

40

Don't Underestimate SCCIS!

Vanessa B. Voss, MD¹; Daniel F. Lozeau, MD¹; Jordan B. Slutsky, MD¹

1. Stony Brook University Hospital, Stony Brook, NY

41

The Empty Stromal Sandwich Sign: A Potential for False Negatives in Mohs Micrographic Surgery Slides when Evaluating Basal Cell Carcinoma

Mary E. Dyson, BS¹; James L. Griffith, MD¹; Leonard H. Goldberg, MD¹; Arash Kimyai-Asadi, MD¹

1. DermSurgery Associates, Houston, TX

42

Superficial Basal Cell Carcinoma, the Tip of the Iceberg?

Erik T. Petersen, MD¹; Deborah MacFarlane, MD, MPH¹

1. MD Anderson Cancer Center, Houston, TX

44

Clinical Factors Influencing Clearance Rate for Melanoma in situ in a Cohort of 243 Cases at a Single Institution

Brianna Olamiju¹; Kathleen C. Suozzi, MD¹; Nathaniel Smith, MD¹; Gauri Panse, MD¹; David J. Leffell, MD¹; Sean R. Christensen, MD, PhD¹

1. Yale School of Medicine, New Haven, CT

45

Nail Unit Melanoma in situ Treated with Mohs Micrographic Surgery

Nicole Strickland, MD¹; Divya Srivastava, MD¹; Rajiv Nijhawan, MD¹

1. UT Southwestern Medical Center at Dallas, Dallas, TX

46

Histologic Perineural Invasion Does Not Negatively Impact Patient Outcomes in a Retrospective Matched Cohort Study of Basal Cell Carcinoma

Paul R. Massey, MD¹; Emily S. Ruiz, MD, MPH¹; Frederick Morgan, BSPH¹; Chrysalyne D. Schmults, MD, MSCE¹

1. Brigham and Women's Hospital, Jamaica Plain, MA

Poster Presentation List

47

Changing Anatomy and Histologic Trends in an Academic Mohs Surgery Program

Rebecca K. Jacobson, MD¹; Jake Fagan, MD¹; Michael L. Ramsey, MD¹

1. Geisinger Medical Center, Danville, PA

48

Anatomic Study of Forehead Lines: 4 Distinct Patterns and Implications for Reconstruction

Julia Baltz, MD¹; Amanda Foy¹; Alyssa Findley¹; Sue Sweeney, MD¹; Nathaniel Jellinek, MD^{1,2}

1. Dermatology Professionals, Inc., East Greenwich, RI

2. University of Massachusetts, Worcester, MA

49

Utilization of Keratinocyte Carcinoma Internet-Based Support and Education Groups on Facebook

Tatyana Petukhova, MD, MS¹; Mariam Gtadjiko¹; Britney Wilson, BA²; Jennifer Wang²; Erica Lee, MD²; Anthony Rossi, MD²; Kishwer Nehal, MD²

1. Weill Cornell Medicine, New York, NY

2. MSKCC, New York, NY

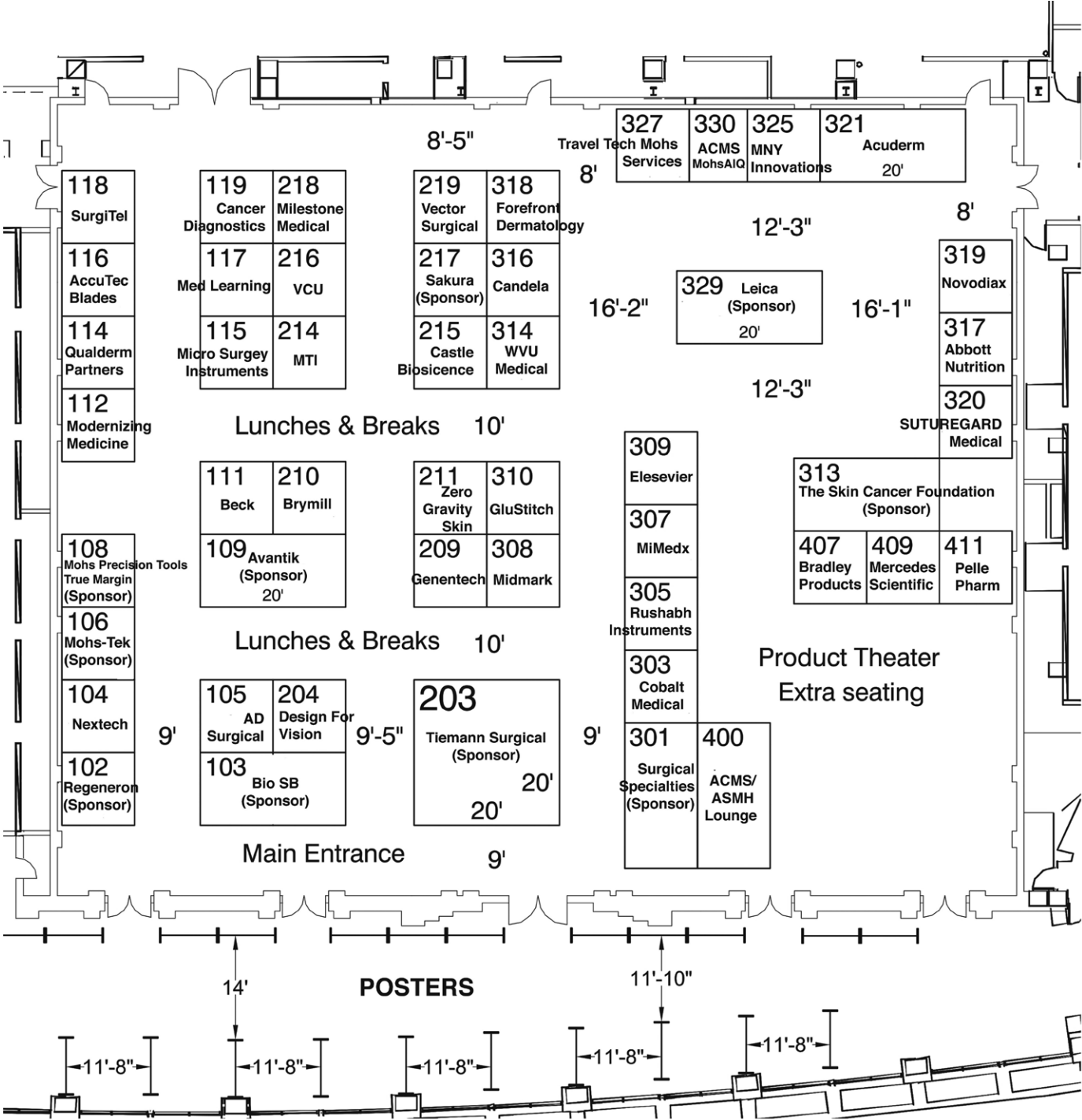
50

Endocrine Mucin-Producing Sweat Gland Carcinoma Treated with Mohs Micrographic Surgery

Christine N. Schafer, MD¹; Jessica B. Dietert, MD¹; Philip L. Custer, MD¹; Steven M. Couch¹; Ilana S. Rosman, MD¹; Eva A. Hurst, MD¹; M. Laurin Council, MD¹

1. Washington University School of Medicine, St. Louis, MO

Exhibit Hall Floor Plan



Thank You to Our Sponsors

The American College of Mohs Surgery gratefully acknowledges the following companies for their contributions and support to help underwrite the educational goals of the ACMS Annual Meeting.

Gold Sponsors

REGENERON

SURGICAL
SPECIALTIES
CORPORATION

Bio SB 
BIOSCIENCE FOR THE WORLD

Sponsors

 AVANTIK

 **George Tiemann & Co.**
Surgical Instruments • Since 1826

Leica
BIOSYSTEMS


MOHSTEK
Biopsy Prep Lab & Mobile Services


SAKURA


YEARS OF
SERVICE

Exhibitor Listing

Attendees are encouraged to visit the technical exhibits during the ACMS Annual Meeting. A variety of companies of interest to Mohs and dermatologic surgeons will be displaying their products, equipment, and services. Please be sure to visit the exhibit hall to learn about their quality offerings. A complete list of exhibitors and a locator map are included here and in the Annual Meeting mobile app.

Exhibit Hall Hours

Thursday, May 2 9:30 am – 7:30 pm
Friday, May 3 10:00 am – 6:30 pm
Saturday, May 4 9:30 am – 2:00 pm

330 ACMS MohsAIQ Registry

(powered by ArborMetrix)
registry@mohscollege.org
www.mohscollege.org/registry
www.arbormetrix.com

The MohsAIQ registry (pronounced mosaic, which stands for Mohs Surgery Advancing & Improving Quality), powered by ArborMetrix, will help the ACMS and its members demonstrate the value of Mohs surgery as patient-centered, timely, and highly effective. MohsAIQ will provide meaningful data about patients and performance in order to improve outcomes and maximize results under new payment models. ArborMetrix was founded by internationally-recognized surgeons and uses a technology platform purpose-built to support medical specialty society registries. We are proud to be the vendor of record for the ACMS registry, which will leverage our flexible technology infrastructure, advanced analytics, and interactive dashboards to support quality improvement initiatives and clinical research leading to the identification of best practices.

317 Abbott Nutrition

3300 Stelzer Rd.
Columbus, OH 43219
P (800) 551-5838
F (540) 248-9741
kellie.warner@abbott.com
www.abbottnutrition.com

Abbott Nutrition, Juven is a targeted amino acid therapeutic powder drink that has been clinically shown to support tissue repair and help build and maintain lean body mass.

116 AccuTec Blades, Inc.

1 Razor Blade Lane
Verona, VA 24482
P (540) 248-8000
billie.smith@atblades.com
www.atblades.com

Our expertise crosses many fields. We are a proven global innovator in diverse areas: Surgical, histological, food, fiber and glass blades and bladed solutions. We are proud partners to the medical community and participate in a variety of medical conference and shows.

321 Acuderm, Inc.

5370 NW 35th Terrace, Suite 106
Ft. Lauderdale, FL 33309
P (954) 733-6935
cust-service@acuderm.com
www.acuderm.com

Acuderm is proud to have been serving the dermatology industry for 34 years. We offer top quality, German-made surgical instruments at significant savings! We invite you to feel the difference and save! As with all our products, we offer 100% satisfaction guarantee! When you think high quality with exceptional value, think Acuderm!

105 AD Surgical

1296 Kifer Road, Suite 608
Sunnyvale, CA 94086
P (888) 841-8481
info.usa@ad-surgical.com
www.ad-surgical.com

As the prices of surgical products continue to skyrocket, surgeons are looking for more cost effective solutions without compromising quality. AD Surgical was established in 2000 by medical professionals who understand the challenges and needs of today's practicing surgeons. Our mission is to offer a selection of top quality surgical essentials, including sutures, scalpels, gloves and drapes, at the best prices to our colleagues so that they can be more productive and profitable.

109 Avantik (Sponsor)

36 Commerce St. | PO Box 619
Springfield, NJ 07081-0619
P (973) 912-8900 ext. 159
F (973) 232-0077
sean.gallagher@avantik-us.com
www.avantik-us.com

Avantik is the #1 name in Mohs. Avantik offers total lab solutions with the revolutionary QS12 croystat, quality guaranteed consumable goods, and outstanding warranty-backed remanufactured instruments. From Mohs lab design, to planning and set-up, to the industry's most responsive service and support network, and to unmatched educational programs with trusted industry partners, Avantik is THE choice in Mohs!

Exhibitor Listing

111 Beck Consulting & Associates, Inc.

1220 Nettles Blvd.
Jensen Beach, FL 34957
P (828) 369-2315
F (800) 282-3015
histobarb@msn.com
www.beck-us.com

Beck Consulting provides the only accredited program for technical training and consulting for Mohs and Histology laboratories for more than 15 years! We offer complete technical assistance and training for Mohs and Histology, as well as the ability to train on your own equipment in your own office, or one of our workshops. Become proficient in cutting Mohs and Histopathology sections, and experience full lab setups for both dermpath and Mohs. Training includes CLIA/OSHA documentation. We have 623 labs set up to date with zero deficiency ratings, and can create a procedure manual specific to your lab. Ask for our available references!

103 BIO SB, Inc. (Gold Sponsor)

69 Santa Felicia Dr.
Santa Barbara, CA 93117
P (805) 705-8398
ppatterson@biosb.com
www.biosb.com

Bio SB performs R&D, production, distribution and marketing of unique products for immunohistochemistry, Fluorescent in situ hybridization (FISH), and Chromogenic in situ hybridization (CISH) technologies that meet the highest international standards for applications in molecular pathology, cancer research, microbiology, immunology and genetics.

407 Bradley Products, Inc.

1700 W. 94th St.
Bloomington, MN 55431
P (952) 881-4130
dms@bradleyproducts.com
www.bradleyproducts.com

Worldwide supplier of high-quality tissue marking dyes.

210 Brymill Cryogenic Systems

105 Windermere Ave.
Ellington, CT 06029
P (860) 875-2460
dmbryne@san.rr.com
www.brymill.com

Please stop by Brymill Cryogenic Systems, the world leader in hand-held liquid nitrogen equipment since 1966. See why Brymill Cryogenic Systems sets the industry gold standard! Brymill is the first choice of U.S. dermatologists (85%) in a recent survey. See our newest CRY-AC (R) family member, the CRY-BABY(R)! Special pricing and giveaways!

119 Cancer Diagnostics, Inc.

4300 Emperor Blvd. Suite 400
Durham, NC 27703
P (877) 846-5393
info@cancerdiagnostics.com
www.cancerdiagnostics.com

Please request your free sample bottle of UltraFreeze OCT Compound and CDI's Tissue Dyes at our booth. Founded in 1998, Cancer Diagnostics, Inc. (CDI) developed the first commercially available 7-dye color kit for marking tissue margins, CDI's Tissue Marking Dyes and today offers one of the industry's largest anatomical pathology/Mohs portfolios of products to more than 3,500 customers. Explore our newest catalog and find out what makes CDI the fastest growing supplier to the worldwide anatomical pathology and Mohs market.

316 Candela

530 Boston Post Road
Wayland, MS 01778
P (949) 716-6670
info@syneron-candela.com
www.syneron-candela.com

Candela is a leading aesthetic device company with an extensive product portfolio and expansive global footprint. The Company's technology provides advanced solutions for a variety of medical-aesthetic applications, including wrinkle reduction, hair removal, tattoo removal, body contouring, and treatment of vascular and pigmented lesions, scars, acne, leg veins and cellulite.

215 Castle Biosciences, Inc.

820 S. Friendswood Dr., Suite 201
Friendswood, TX 77546
P (866) 788-9007
F (866) 431-2924
tjuvenal@castlebiosciences.com
www.castlebiosciences.com

Castle Biosciences, Inc. is a cancer-focused molecular diagnostics company dedicated to helping patients and their physicians make the best possible decisions about their treatment and care based on the individual molecular signature of their tumor. DecisionDx-Melanoma is a new test that identifies metastatic risk in melanoma patients (www.SkinMelanoma.com).

303 Cobalt Medical Supply, Inc.

PO Box 367
Pequanock, NJ 07440
P (973) 305-0730
mmazon@cobaltmed.com
www.cobaltmed.com

Cobalt is a full-line provider of surgical and clinical equipment, instruments and supplies to complement the needs of the dermatologist and surgeon. We match great service with high-quality products to assist our clients with the many needs and challenges they have.

Exhibitor Listing

204 Designs For Vision, Inc.

4000 Veterans Memorial Highway
Bohemia NY, 11716
P (631) 585-3300
F (631) 585-3404
info@dvimail.com
www.designsforvision.com

Just See It™ with Designs for Vision's lightweight custom-made surgical Telescopes- now available with Nike® frames. See It Even Better™ with the L.E.D Daylite® or Twin Beam® L.E.D. Daylite® providing the brightest and safest un-tethered illumination. Introducing the L.E.D. Daylite® Nano Cam HD document procedure and HD video from your perspective.

309 Elsevier, Inc.

1600 JFK Blvd. Suite 1600
Philadelphia, PA 19103
P (215) 239-3900
csexhibits@elsevier.com
www.elsevier.com

Elsevier is a world-leading provider of information solutions that enhance the performance of science, health, and technology professionals, empowering them to make better decisions, and deliver better care.

318 Forefront Dermatology

801 York Street
Manitowoc, WI 54220
P (920) 633-9010
joinderm@forefrontderm.com
www.joindermsuccess.com

Forefront Dermatology is one of the largest physician-led and -operated dermatology group practices. Our mission is to provide dermatologists with an environment that allows them to focus entirely on patient care, emphasize sub-specialty interest, and benefit from the administrative expertise provided by our shared support services.

209 Genentech

1 DNA Way
South San Francisco, CA 94080
P (650) 255-2169
emusser@gene.com
www.gene.com

For more than 40 years, we've been following the science, seeking solutions to unmet medical needs. As a proud member of the Roche Group, we make medicines to treat patients with serious medical conditions.

203 George Tiemann Surgical (Sponsor)

25 Plant Ave.
Hauppauge, NY 11788
P (800) 843-6266
F (800) 577-6050
brian@georgetiemann.com
www.georgetiemann.com

Tiemann will display a full line of surgical instruments and accessories for Mohs surgery. We are experts at assisting the Mohs surgeon assemble surgical trays.

310 Glustitch, Inc.

#307-7188 Progress Way
Delta, BC V4G1M6
P (877) 940-2262
jamie@glustitch.com
www.dermglu.com

GluStitch Inc manufactures GluStitch Twist and GluSeal cyanoacrylate tissue adhesives. These tissue adhesives are used for the closure of surgical incisions and as a liquid bandage intended to cover minor cuts, scrapes, burns, and minor irritations of the skin and help protect them from infection.

331 Leica Biosystems (Sponsor)

1700 Leider Lane
Buffalo Grove, IL 60089
P (800) 248-0123
ryan.gresavage@leicabiosystems.com
www.leicabiosystems.com

Leica Biosystems is a global leader in workflow solutions and automation, integrating each step in the workflow from biopsy to diagnosis. Our mission of "Advancing Cancer Diagnostics, Improving Lives" is at the heart of our corporate culture. Our easy-to-use and consistently reliable offerings help improve workflow efficiency and diagnostic confidence.

117 Med Learning Group

450 7th Ave. 32nd Floor
New York, NY 10123
P (215) 498-0321
agrzybowski@medlearninggroup.com
www.medlearninggroup.com

Med Learning Group focuses on developing and implementing continuing education programs that improves healthcare practitioners' ability to provide optimal care to their patients.

Exhibitor Listing

409 Mercedes Scientific

12210 Rangeland Pkwy
Bradenton, FL 34211
P (800) 331-2716
mjenkins@mercedesscientific.com
www.mercedesscientific.com

Mercedes Scientific is a privately held and woman-owned medical and laboratory supply distributor located in Lakewood Ranch, Florida. Since 1991, we have been dedicated to providing customers with competitive prices on quality products that we source both domestically and from around the world.

115 Microsurgery Instruments

4918 Locust St.
Houston, TX 77042
P (713) 664-4707
microusa@microsurgeryusa.com
www.microsurgeryusa.com

Microsurgery Instruments sells surgical instruments and loupes worldwide. Our titanium instruments consist of scissors, needle holders, forceps & surgical sets. Loupes range from 2.5x to 11x magnification.

308 Midmark Corporation

60 Vista Dr.
Versailles, OH 45380
P (800) 643-6275
F (800) 365-8631
felsass@midmark.com
www.midmark.com

Midmark Corporation is committed to providing innovative products and solutions to healthcare professionals around the world. Offering full lines of exam and procedures tables, as well as workstations, casework, instrument processing, digital diagnostic solutions and more. Midmark is focused on continuously improving physician workflows and enhancing patient-caregiver interactions.

218 Milestone Medical Technologies, Inc.

6475 Technology Ave, Ste, F
Kalamazoo, MI 49009
P (269) 488-4950
F (269) 488-4949
s.merritt@milestonemed.com
www.milestonemed.com

Milestone was the first company to design and build a microwave tissue processor, and subsequently created the first fully automated, high-throughput microwave processor. Today, we have a full portfolio of cutting edge instrumentation, including the PrestoCHILL system that provides a failsafe Cryoembedding method that can increase Mohs surgery productivity.

307 MiMedx

1775 West Oak Commons court
Marietta, GA 30062
P (770) 651-9100
crittenhouse@mimedx.com
www.mimedx.com

MiMedx is the leading supplier of amniotic and placental tissue products, having supplied more than 1,000,000 allografts to date for application in the wound care, burn, surgical, orthopedic, spine, sports medicine, ophthalmic, and dental sectors of healthcare. MiMedx® patent-protected biomaterial products and tissues include EpiFix®, EpiCord, AmnioFix®, AmnioCord, and AmnioFill™.

325 MNY Innovations

4132 S. Rainbow Blvd Suite #433
Las Vegas, NV 89131
P (702) 302-8853
tamar.lu@mny-innovations.com
www.mny-innovations.com

MNY Innovations is a national distributor for business solutions in various industries. Primarily involved with the medical industry, we also invest in several industries in order to generate self-esteem, productivity, and the confidence to be successful in everyday life. We offer universal products for both men and women through the latest scientific advancements in medical technology. Our non-surgical alternatives to surgery offer a painless, effortless and convenient way to achieve the best results.

112 Modernizing Medicine

3600 FAU Blvd., Suite 202
Boca Raton, FL 33431
P (561) 880-2998 x1615
amy.horn@modmed.com
www.modmed.com/dermatology/

Modernizing Medicine is transforming how healthcare information is created, consumed and utilized to increase efficiency and improve outcomes. The company's product, Electronic Medical Assistant® (EMA™), is a cloud-based, specialty-specific electronic medical record (EMR) system with a massive library of built-in medical content and coding expertise, designed to save physicians time.

108 Mohs Precision Tools | True Margin (Sponsor)

1690 Saint Joseph East
Montreal, Quebec H2J 1M9 Canada
P (844) 288-6647
khemmings@mohsprecisiontools.com
www.mohsprecisiontools.com

Mohs Precision Tools is a pioneer in addressing alignment issues in cryostats. The True Margin is the only device that aligns the tissue plane to the microtome blade. We offer cryotomy solutions for busy Mohs surgeons. Perfect sections are our passion.

Exhibitor Listing

214 MTI

3655 Ninigret Dr.
Salt Lake City, UT 84093
P (801) 875-4903
F (801) 952-0548
sales@mti.net
www.mti.net

MTI builds the finest powered chairs and mobile cabinets in the world. Our new line of 829/830 procedure chairs and 463/464 exam chairs incorporate SmartSynch™ and ConfortSynch™ technology to provide patient comfort and safety. Both chairs provide industry leading lift capacity, multiple programmable settings and unsurpassed accessibility.

104 Nextech

5550 W. Executive Dr. #350
Tampa, FL 33609
P (803) 425-9260
j.williams@nextech.com
www.nextech.com

Nextech, the leading, fully integrated dermatology-specific EMR and practice management solution, helps specialty practices increase efficiency and profitability across all functional areas. Nextech's intuitive design and customizable templates work seamlessly with the needs of dermatology providers to enhance productivity and overall patient care.

319 Novodiox

3517 Breakwater Ave.
Hayward, CA 94545
P (510) 574-7325
diana@novodiox.com
www.novodiox.com

Novodiox markets ihcDirect®, ready-to-use 10-minute IVD immunohistochemistry tests for Mohs and dermatopathology uses. These rapid immunoassays offer the sensitivity and specificity of IHC's with the speed and simplicity of H&E tests. See us in booth 304 to discover how these novel IVD tests can benefit your patients today.

411 PellePharm, Inc.

101 Mission Street, 19th Floor
San Francisco, CA 94105
P (510) 502-6144
eepstein@pellepharm.com
www.pellepharm.com

PellePharm has developed a topical Hedgehog inhibitor for mitigating the BCC burden in patients with Gorlin syndrome. Syndrome. We have begun this Spring our Phase 3 trial (<https://clinicaltrials.gov/ct2/show/NCT03703310>) in which we are assessing the anti-BCC effect of topical patidegib gel applied twice daily to the face of patients with Gorlin syndrome at approximately 4 dozen sites in the USA, Canada, and Europe. Referral of prospective trial subjects (clinical@pellepharm.com) will be most welcome.

114 QualDerm Partners, LLC

210 Jamestown Park Drive, Suite 250
Brentwood, TN 37027
P (615) 250-6766
andy.mitzen@qualderm.com
www.qualderm.com

QualDerm Partners helps dermatologists position their practices for sustainable profitability. We create market-leading practice partnerships through acquisition and development. QualDerm provides the management support, capital and guidance for growth. Our True Partnership™ model allows physicians to be part of a larger support-driven organization while preserving their clinical autonomy.

314 Regeneron Healthcare Solutions (Gold Sponsor)

777 Old Saw Mill River Road
Tarrytown, NY 10591
P (914) 847-3544
julia.sokolohorsky@regeneron.com
www.regeneron.com

Regeneron is a leading science and technology company delivering life-transforming medicines for serious diseases. Founded by physician-scientists 30 years ago, our science-driven approach has resulted in six FDA-approved medicines and numerous product candidates in a range of diseases, including asthma, pain, cancer and infectious diseases. In addition to our medicines, our innovations include the VelociSuite® technologies, world-class manufacturing operations, one of the largest human genetics sequencing efforts in the world and rapid response technologies being used for global good.

305 Rushabh Instruments, LLC

1750A Costner Dr.
Warrington, PA 18976
P (215) 491-0081 Ext. 1
F (215) 491-0080
preyasshah@att.net
www.qualityhistology.com

Rushabh Instruments, LLC designs and manufactures high quality medical laboratory equipment. We develop and manufacture products that are innovative, easy to use and work well in your work environment. Our Histology product line currently includes Tissue Embedding Center, H&E Slide Stainer, Frozen Section Stainer for Mohs Labs, Floatation Water Bath and Paraffin Dispenser. Our products are designed and built in Warrington, Pennsylvania, USA.

217 Sakura Finetek USA, Inc. (Sponsor)

1750 W. 214th St.
Torrance, CA 90501
P (800) 725-8723
ahammer@sakuraus.com
www.sakuraus.com

Come to the Sakura booth to experience the power of high productivity, quality and ease of use. We present our high-performance OCT Compound, super-thin Cryomolds, sharp Accu-Edge® blades and the first and only Mohs cryostat with the features you always desired: Tissue-Tek® Cryo3® Flex Cryostat Mohs.

Exhibitor Listing

301 Surgical Specialties Corporation (Gold Sponsor)

50 Braintree Hill Office Park, Suite 101
Braintree, MA 02184
P (877) 991-1110
bmatthews@surgicalspecialties.com
www.surgicalspecialties.com

Quill™ Knotless Tissue-Closure Device allows Mohs surgeons to eliminate tying suture knots in wounds, including high-tension areas. Through its unique barbed design, it can approximate tissue and evenly distribute tension along the incision. The Quill device has also demonstrated time and cost savings when compared to traditional suture.

118 SurgiTel/General Scientific Corporation

77 Enterprise Drive
Ann Arbor, MI 48103
P (800) 959-0153
F (734) 662-0520
susant@surgitel.com
www.surgitel.com

SurgiTel is the manufacturer of premium loupes and headlights sold around the world from their headquarters in Ann Arbor, Michigan. Holding a variety of patents, SurgiTel is always on the forefront of vision and ergonomics.

118 SUTUREGARD Medical, Inc.

4640 SW Macadam Ave.
Portland, Oregon
P (844) 585-8421
sales@suturegard.com
www.suturegard.com

The SUTUREGARD™ Rapid Intraoperative Tissue Expansion devices enables more Mohs defects to be closed without flaps, grafts or second intent healing.

313 The Skin Cancer Foundation (Sponsor)

149 Madison Ave., Suite 901
New York, NY 10016
P (646) 583-7988
bhanley@skincancer.org
www.skincancer.org

The Skin Cancer Foundation is the only global organization solely devoted to the prevention, early detection and treatment of skin cancer. The mission of the Foundation is to decrease the incidence of skin cancer through public and professional education and research. Since its inception in 1979, the Foundation has recommended following a complete sun protection regimen that includes seeking shade and covering up with clothing, including a wide-brimmed hat and UV-blocking sunglasses, in addition to daily sunscreen use.

327 Travel Tech Mohs Services

1300 223rd. St., #411
Carson, CA 90745
P (310) 328-7846
karen@gotmohs.com
www.gotmohs.com

Travel Tech Mohs Services, Inc. is a histology technician service specializing in Mohs Micrographic Surgery. We provide all the machinery as well as a skilled professional in Mohs histology. Our team of Mohs technicians have been providing the highest quality Mohs frozen sectioning available for the past 20 years.

219 Vector Surgical

20975 Swenson Drive, Suite 430
Waukesha, WI 53186
P (262) 798-7970
jennifer.passon@vectorsurgical.com
www.vectorsurgical.com

Vector Surgical is the global leader in tissue orientation devices that provide the most accurate designation of excised tissue margins in cancer surgery. Our devices integrate the needs of surgeons, pathologist and radiologists, providing tools that enable the highest level of care for their cancer patients. Leading hospitals and physicians are eliminating error and improving outcomes with our products: MarginMarker sterile ink kits, CorrectClips radiographic clips and the SilversteinWrap.

Exhibitor Listing

216 Virginia Commonwealth University (VCU)

PO Box 980620
Richmond, VA 23298
P (804) 382-6981
karen.knicely@vcuhealth.org
www.vcuhealth.org

Well-established academic dermatology practice seeking a Mohs surgeon to join the practice in Richmond, Virginia to treat a high patient volume in a state-of-the art surgical suite comprised of eight large procedure rooms with the assistance of well-trained, supportive staff and three histotechnologists.

314 West Virginia University (WVU) Medicine

1 Medical Center Drive
Morgantown, WV 26501
P (304) 598-6278
belchera@wvumedicine.org
www.wvumedicine.org

WVU Medicine is WV's largest private employer, and a national leader in patient safety and quality. WVU Medicine includes the physicians, specialists, and sub-specialists of the WVU School of Medicine anchored by its flagship hospital, J.W. Ruby Memorial Hospital in Morgantown, a 700+ bed academic medical center.

211 Zero Gravity Skin

940 Lincoln Rd. #307
Miami Beach, FL 33139
P (404) 774-2577
natalia@zerogravityskin.com
www.zerogravityskin.com

Zero Gravity Skin specializes in unique LED medical devices approved by the FDA and based on NASA science.

Speaker Index

| | | | |
|--|--------------------|---|--------------------|
| Sumaira Z. Aasi, MD, FACMS..... | 18, 25 | Allison M. Hanlon, MD, PhD, FACMS..... | 18, 22 |
| John G. Albertini, MD, FACMS..... | 18, 29, 31 | Jamie Hanson, MD..... | 18, 26 |
| Joseph Alcalay, MD, FACMS..... | 18, 22 | Kelly Harms, MD, PhD..... | 18, 27 |
| Saud Aleissa, MD..... | 18, 26 | Petr F. Hausner, MD, PhD..... | 7, 17, 18, 28 |
| Sarah T. Arron, MD, PhD..... | 18, 21, 26 | Ali Hendi, MD, FACMS..... | 18, 21 |
| Omar Badri, MD..... | 18, 23 | H. William Higgins II, MD, MBE, FACMS..... | 18, 22 |
| Anna A. Bar, MD, FACMS..... | 18, 22 | Todd E. Holmes, MD, FACMS..... | 18, 20, 24, 29 |
| Ramona Behshad, MD, FACMS..... | 18, 20 | George J. Hruza, MD, FACMS..... | 18, 21 |
| Richard G. Bennett, MD, FACMS..... | 18, 29 | Eva A. Hurst, MD, FACMS..... | 18, 22, 23, 28 |
| Elizabeth M. Billingsley, MD, FACMS..... | 18, 28 | Walayat Hussain, MD, FACMS..... | 18, 23 |
| William H. Black, MD, FACMS..... | 18, 20 | Sherrif F. Ibrahim, MD, PhD, FACMS..... | 18, 24, 26 |
| Travis W. Blalock, MD, FACMS..... | 18, 31 | Nathaniel J. Jellinek, MD, FACMS..... | 18, 27, 31 |
| Adam B. Blechman, MD..... | 18, 22 | Hillary Johnson-Jahangir, MD, PhD, FACMS..... | 18, 27 |
| Diana Bolotin, MD, PhD, FACMS..... | 18, 24, 25 | Andrew J. Kaufman, MD, FACP, FACMS..... | 18, 24 |
| Jeremy S. Bordeaux, MD, MPH, FACMS..... | 18, 24, 27, 30 | Benjamin Kelley, MD..... | 18, 23 |
| Jerry D. Brewer, MD, MS, FACMS..... | 18, 21, 25 | Daria M. Kemp, MEd..... | 18, 30 |
| Mariah R. Brown, MD, FACMS..... | 18, 20, 21, 22 | Thomas J. Knackstedt, MD..... | 18, 20, 25, 26, 27 |
| Theresa Canavan, MD..... | 18, 22 | Irèn Kossintseva, MD..... | 18, 31 |
| Ekama Carlson, MD, PhD..... | 18, 23, 30 | Ravi Krishnan, MD, FACMS..... | 18, 30 |
| David R. Carr, MD, FACMS..... | 18, 20, 21 | Aleksandar L.J. Kronic, MD, PhD, FACMS..... | 18, 20, 22 |
| Bryan T. Carroll, MD, PhD, FACMS..... | 18, 20, 23, 24, 25 | Joy H. Kunishige, MD, FACMS..... | 18, 22 |
| Todd V. Cartee, MD, FACMS..... | 18, 24 | Michael Kunz, MD..... | 18, 23 |
| John A. Carucci, MD, PhD, FACMS..... | 18, 22, 24 | Nirusha Lachman, PhD..... | 7, 17, 18, 28 |
| Linda Cesario, DPM, HT (ASCP)..... | 18, 20 | Naomi Lawrence, MD, FACMS..... | 19, 23 |
| Melanie A. Clark, MD..... | 18, 20 | Jennifer Ledon, MD..... | 19, 27 |
| Scott A. B. Collins, MD, FACMS..... | 18, 21 | Michael P. Lee..... | 19, 26 |
| Joel Cook, MD, FACM..... | 18, 24, 27 | Justin J. Leitenberger, MD, FACMS..... | 19, 20, 21 |
| Jonathan L. Cook, MD, FACMS..... | 18, 21 | Barry Leshin, MD, FACMS..... | 19, 21 |
| M. Laurin Council, MD, FACMS..... | 18, 20 | Jesse M. Lewin, MD..... | 19, 24 |
| Brienne Cressey, MD, MBA..... | 18, 20 | Geoffrey F.S. Lim, MD..... | 19, 22, 29 |
| Leonard D'Avolio, PhD..... | 6, 17, 18, 25 | Su Luo, MD..... | 19, 30 |
| Min Deng, MD..... | 18, 24 | Angelica R. Maden, MS, HT (ASCP)..... | 19, 24 |
| Jessica N. Dietert, MD..... | 18, 22 | Nicholas R. Mahoney, MD..... | 7, 17, 19, 28, 29 |
| Susan E. Dozier, MD, FACMS..... | 18, 27 | Zaineb H. Makhzoumi, MD, MPH, FACMS..... | 19, 28 |
| Alison B. Durham, MD, FACMS..... | 18, 25 | Kayla L. McNiece..... | 19, 29 |
| Daniel B. Eisen, MD, FACMS..... | 18, 21, 23 | Bradley G. Merritt, MD, FACMS..... | 19, 20 |
| Jeremy Etzkorn, MD, FACMS..... | 18, 20, 22, 26, 29 | Christopher J. Miller, MD, FACMS..... | 19, 24, 26, 31 |
| Hao Feng, MD..... | 18, 22 | Misha D. Miller, MD, FACMS..... | 19, 20 |
| Matthew C. Fox, MD, FACMS..... | 18, 25, 29, 31 | Vineet Mishra, MD, FACMS..... | 19, 31 |
| Joseph K. Francis, MD, FACMS..... | 18, 25, 31 | Kishwer S. Nehal, MD, FACMS..... | 19, 25, 26 |
| Robert Gathings, MD..... | 18, 23 | Toby Nelson, BSc (Hons), MB, BS, MRCP..... | 19, 29 |
| John K. Geisse, MD, FACMS..... | 18, 27 | Elise Ng, MD..... | 19, 24 |
| Nicholas J. Golda, MD, FACMS..... | 18, 22 | Rajiv I. Nijhawan, MD, FACMS..... | 19, 22, 27 |
| Dori Goldberg, MD, FACMS..... | 18, 20 | Lauren Ogrich, MD..... | 19, 23 |
| Glenn D. Goldman, MD, FACMS..... | 18, 26, 31 | Clark C. Otley, MD, FACMS..... | 19, 25 |
| Daniel H. Gong, MS, MSO, C-PM..... | 18, 20 | Melissa Pugliano-Mauro, MD, FACMS..... | 19, 20, 23 |
| Ankit Gor, MD..... | 18, 29 | Desiree Ratner, MD, FACMS..... | 19, 25 |
| Roy C. Grekin, MD, FACMS..... | 18, 28 | Howard W. Rogers, MD, PhD, FACMS..... | 19, 21, 30 |
| James L. Griffith, MD, MS..... | 18, 29 | Thomas E. Rohrer, MD, FACMS..... | 19, 24 |

Speaker Index

| | | | |
|--|--------------------------------|--|------------------------|
| Emily S. Ruiz, MD, MPH | 19, 21, 23, 26, 31 | Stanislav N. Tolkachjov, MD | 19, 23, 29 |
| Michael Saco, MD | 19, 22 | Joshua W. Trufant, MD | 19, 24 |
| Paul J. M. Salmon, MD, FACMS | 19, 27, 29 | Amanda J. Tschetter, MD | 19, 25 |
| Faramarz H. Samie, MD, PhD, FACMS | 19, 29 | M. Reza Vagefi, MD | 7, 17, 19, 28, 29 |
| Drew Saylor, MD | 19, 27 | Marta J. VanBeek, MD, MPH, FACMS | 19, 30 |
| Carl F. Schanbacher, MD, FACMS | 19, 28 | Allison T. Vidimos, MD, RPh, FACMS | 19, 24, 25, 26 |
| Chrysalyne D. Schmuls, MD, MSCE, FACMS | 19, 23, 26, 31 | Jeanie Wade, HT (ACSP) | 19, 24 |
| Jeffrey Scott, MD | 19, 30 | Abigail Waldman, MD | 19, 21 |
| Thuzar M. Shin, MD, PhD, FACMS | 19, 20, 21, 22, 23, 26, 28, 29 | Carl V. Washington, MD, FACMS | 19, 31 |
| Maral K. Skelsey, MD, FACMS | 19, 27 | Christine H. Weinberger, MD, FACMS | 19, 20 |
| Ally-Khan Somani, MD, PhD, FACMS | 19, 20, 23, 29 | J. Michael Wentzell, MD, FACMS | 19, 27 |
| Seaver Soon, MD | 19, 21 | Oliver J. Wisco, DO, FACMS | 19, 30 |
| Divya Srivastava, MD, FACMS | 19, 22, 25 | Ashley Wysong, MD, MS, FACMS | 19, 20, 21, 26, 27, 31 |
| Evan P. Stiegel, MD | 19, 22 | David Xiong, BS | 19, 26 |
| Michael S. Stratton, MD | 19, 29 | Yaohui G. Xu, MD, PhD, FACMS | 19, 24 |
| Scott E. Strome, MD | 7, 17, 19, 28 | Simon Yoo, MD | 19, 20 |
| Mohan Suntha, MD, MBA | 7, 17, 19, 28 | Siegrid S. Yu, MD, FACMS | 19, 27, 28, 29 |
| Zain Syed, MD, MBA | 19, 29 | Nathalie C. Zeitouni, MD, FACMS | 19, 22 |
| Nikki D. Tang, MD | 19, 24 | Daniel E. Zelac, MD, FACMS | 19, 31 |
| Valencia D. Thomas, MD, FACMS | 19, 23, 27 | John A. Zitelli, MD, FACMS | 19, 22, 25, 26, 31 |
| William J. Tidwell, MD | 19, 31 | Fiona O. Zwald, MD, MRCPI, FACMS | 19, 21 |

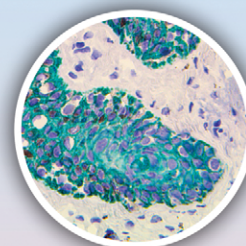
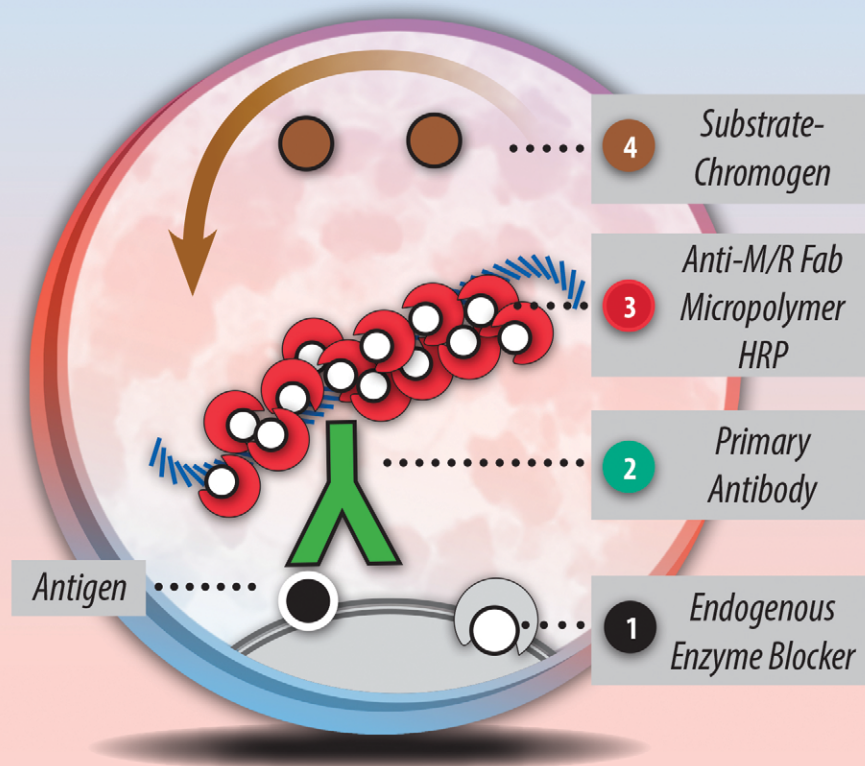
RELIABLE IHC RESULTS IN JUST 5-10 MINUTES!

STOP BY BOOTH #103 FOR A DEMONSTRATION!

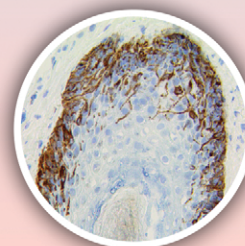
✓ **FAST**

✓ **RELIABLE**

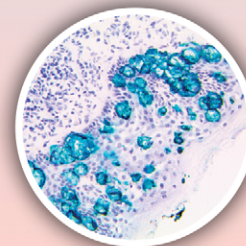
✓ **AFFORDABLE**



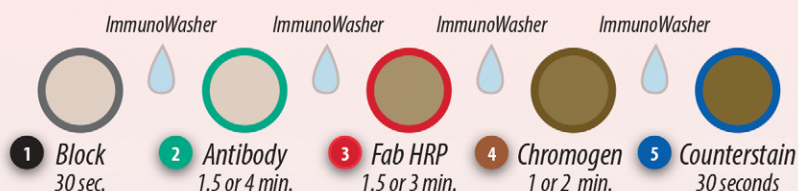
**CK AE1 / AE3
HRP Green**



**MART-1
DAB HRP Brown**



**CK 7
HRP Green**



5-10 Minute IHC!

BCC, SCC and Lymphoepithelioma-like Carcinoma Antibodies

| | |
|---------------------------------|----------|
| Cytokeratin 5/6 | DB5/16B4 |
| Cytokeratin Cocktail, AE1 & AE3 | AE1/AE3 |
| Cytokeratin MNF116 | MNF116 |
| EpCAM BerEP4 | Ber-EP4 |

Dermatofibrosarcoma Protuberans (DFSP) Antibodies

| | |
|------|----------|
| CD34 | QBEND/10 |
|------|----------|

Melanoma Antibodies

| | |
|--------|--------|
| MART-1 | A103 |
| MitF | C5/D5 |
| SOX-10 | BSB-62 |

Mucinous Carcinoma Antibodies

| | |
|--------------------|--------|
| Cytokeratin CAM5.2 | CAM5.2 |
|--------------------|--------|

Paget's Disease Antibodies

| | |
|---------------|------------|
| Cytokeratin 7 | OV-TL12/30 |
|---------------|------------|

Confidence in your Mohs procedure starts with the belief that you have the right Mohs equipment and supplies.

Confidence

Comes from Being In Control

Avantik believes when you have the right equipment, service and supplies, your Mohs workflow goes precisely as planned. Achieve consistent and reliable results with Avantik's QS12 cryostat – Perfect Sections Every Time.

With Avantik as your single source provider for Mohs, you'll have the confidence for optimal patient care.

Visit Us at Booth #109!

AVANTIK

Lab Set-Ups

Lab Design

Lab Equipment

Lab Consumables

Mohs Technician Training

CLIA Certification



CALL TODAY TO SPEAK TO YOUR **MOHS LAB SPECIALIST** REGARDING ALL OF YOUR NEEDS!

800.783.9424

avantik-us.com



Notes

THE MARKET LEADER IN CRYOTOMY

PROVIDING THE COMPLETE MOHS SOLUTION



The CM1520 Cryostat delivers high-quality sections the fast, simple and efficient way.

Stop by booth 329 to learn how the quick freezing shelf and powerful refrigeration system combine to deliver rapid results.

Experience the Leica Biosystems difference with the CM1520.



LeicaBiosystems.com

Copyright © 2019 Leica Biosystems Richmond, Inc. All Rights Reserved. LEICA and the Leica logo are registered trademarks of Leica Microsystems IR GmbH.

190356 Rev A 3/2019

Leica

BIO SYSTEMS

Advancing Cancer Diagnostics
Improving Lives



ACMS American College of Mohs Surgery



American College of Mohs Surgery

Fellowship trained skin cancer and reconstructive surgeons

American College of Mohs Surgery
555 East Wells Street, Suite 1100
Milwaukee, WI 53202

Phone: (414) 347-1103 (800) 500-7224

Fax: (414) 276-2146

Email: info@mohscollege.org

Website: www.MohsCollege.org

www.SkinCancerMohsSurgery.org