



Mountain West Society of Plastic Surgeons

7TH ANNUAL MEETING

February 24-27, 2022 | Snowbird, Utah

OFFICIAL PROGRAM

The Cliff Lodge at Snowbird Resort

mwsp.org



AMERICAN SOCIETY OF
PLASTIC SURGEONS®

An affiliated organization of ASPS

MOUNTAIN WEST SOCIETY OF PLASTIC SURGEONS

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REGISTRATION NOW OPEN

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SPRING MEETING
March 4-6, 2022

AESTHETIC • BREAST • PRACTICE MANAGEMENT

- **VIRTUAL INTERACTIVE FORMAT!** Submit your challenging cases for presentation.
- **NO TRAVEL COSTS!** Attend from the convenience of your work or home.
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WELCOME LETTER



Dear Friends and Colleagues,

Welcome to the 7th Annual Meeting of the Mountain West Society of Plastic Surgeons (MWSPS). I am so pleased that we are able to have this meeting in person, here in Snowbird, Utah. Our society, our members and the Utah venue are committed to providing a fun-filled, educational and safe conference. While last year's virtual meeting was fun and informative, we are all looking forward to the personal interactions, comradery and eventful days that an in-person meeting has to offer. Many of you know that Snowbird offers some of the best ski and snowboarding terrain in the country. The Cliff Lodge will be the site of our educational meetings and will provide easy access to the slopes for recreational activities during the scheduled break times. As in previous years, we will have outstanding presentations from plastic surgeons practicing in the Mountain West Region and throughout the country. Experts in both reconstructive surgery and aesthetic surgery will update us on current standards and innovative surgical approaches. Our keynote speaker this year will be Ian McCammon, PhD, who will educate us on avalanches with an enlightening presentation, "Evidence for Heuristic Traps in U.S. Avalanche Accidents: Implications and Applications."

The MWSPS was formed in early 2016 as a regional society whose mission is to promote research and support education in the field of plastic surgery and to foster the development of plastic surgery in the Mountain West Region of the United States. The MWSPS includes plastic surgeons and plastic surgery programs in Arizona, Colorado, Idaho, Montana, Nevada, New Mexico, Utah and Wyoming. The establishment of an annual meeting has provided us a vehicle for scientific interchange and for networking of surgeons, residents, students, APCs, nurses, researchers and guests who are involved in plastic surgery. The five institutions with plastic surgery training programs in the region (Mayo Arizona, University of Colorado, University of Nevada, University of New Mexico and University of Utah) have all committed to support this society and to participate in the annual meeting. A key component of our society's mission is education. This year's annual meeting will once again highlight a residents and fellows day on Sunday which will include mock oral board sessions and trainee abstract presentations. We will also have trainee posters highlighted during the breaks and evening sessions.

I'm extremely excited to once again host the MWSPS annual meeting with our ASPS partners in Snowbird, Utah. Get excited to earn CMEs and experience some of the best snow on earth.

A handwritten signature in black ink, appearing to read 'Jay Agarwal'.

Jay Agarwal, MD
President, MWSPS
Chief, Division of Plastic & Reconstructive Surgery
University of Utah School of Medicine





MEETING EVALUATION AND CME CREDIT CLAIM INFORMATION

LEARNING OBJECTIVES:

Upon completion of this live virtual activity, participants should be able to do the following:

1. Incorporate into practice the latest scientific advances impacting plastic surgery.
2. Summarize the latest research and clinical innovations in plastic surgery.
3. Recognize opportunities to increase the safety of both aesthetic and reconstructive procedures.



Accreditation: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education® (ACCME®) through the joint providership of the American Society of Plastic Surgeons® (ASPS®) and Mountain West Society of Plastic Surgeons®. The ASPS® is accredited by the ACCME to provide continuing medical education for physicians.

Designation: The American Society of Plastic Surgeons® designates this live activity for a maximum of **12.5 AMA PRA Category 1 Credits™**. Of the 12.5 credits, 1.5 have been identified as applicable to patient safety. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Disclosure Policy: The American Society of Plastic Surgeons® (ASPS®) requires all instructors, planners, reviewers, managers, and other individuals in a position to control or influence the content of an activity to disclose all relevant financial relationships or affiliations. All identified conflicts of interest must be resolved and the educational content thoroughly vetted by ASPS® for fair balance, scientific objectivity, and appropriateness of patient care recommendations. ASPS® also requires faculty/authors to disclose when off-label/unapproved uses of product are discussed in a CME activity or included in related materials.

Disclaimer: All relevant financial relationships for planners, faculty, and others in control of content (either individually or as a group) are reviewed by the ASPS Continuing Education Committee and have been mitigated, if applicable.

Additional Programs: For Physician Assistants and Nurse Practitioners, these credits have been designated as **AMA PRA Category 1 Credits™** by an ACCME accredited organization and are applicable to these certifications. These credits/hours may be applicable to your profession. Check [PlasticSurgery.org/CME](https://www.plasticsurgery.org/CME) for more information.



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David Greenspun, MD
The Plastic & Reconstructive Surgery
Group, Greenwich, Connecticut



Chris Kaoutzanis, MD
University of Colorado



David Mathes, MD
University of Colorado



Alanna Rebecca, MD
Mayo Clinic, Arizona



Anil Shetty, MD
University of New Mexico



SPEAKERS

FACULTY

Rebecca Alanna, MD

Mayo Clinic - Arizona

Pierre Brassard, MD

GRS Montréal

Ingrid Ganske, MD

Boston Children's Hospital

Isak Goodwin, MD

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Dana Johns, MD

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Alvin Kwok, MD

University of Utah

Rene Largo, MD

MD Anderson

Bernie Lee, MD

American Society of Plastic Surgeons, PSF President

Bruce Mast, MD

University of Florida College of Medicine

David Mathes, MD

University of Colorado

Ian McCammon, PhD

Keynote Speaker

Shaun D. Mendenhall, MD

University of Utah

Alexander Francis Mericli, MD

M. D. Anderson Cancer Center, University of Texas

Ziv Peled, MD

Peled Plastic Surgery

Edward Ray, MD

Cedars-Sinai Medical Center

Jay Reyer

ByrdAdatto

Chris Runyan, MD

Wake Forest Medical Center

Justin Sacks, MD

Washington University in St. Louis

Tim Schaub, MD

Phoenix Children's Hospital

Jesse Selber, MD

University of Cincinnati/ Cincinnati Children's Hospital

Steven Sigalove, MD

The Aesthetic Society, Parliamentarian

Jordan Swanson, MD

Children's Hospital of Philadelphia

Fatma Tuncer, MD

University of Utah

Christopher G. Williams, MD

Park Meadows Cosmetic Surgery

RESIDENT, FELLOW AND MEDICAL STUDENT PRESENTERS

Sunaina Afzaal, MD

Rahber Medical College Lahore

Brandon Alba, MD, MPH

Rush University Medical Center

Eric W. Anderson, MD

University of Utah

Jared A. Blau, MD

Med Duke University Medical Center

Mustafa Chopan, MD

University of Florida College of Medicine

Cory J. Colombini, MD

Kirk Kerkorian School of Medicine at UNLV

Dattesh R. Dave, MD

UC Davis

Serena Day, MD

Mayo Clinic

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University of Colorado

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Mountain West Society of Plastic Surgeons



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Paul Zwiebel, MD, DMD

Highlands Ranch, CO

as of February 8, 2022



PROGRAM

THURSDAY, FEBRUARY 24, 2022

- 3:00 PM** Registration Opens
- 3:00 – 5:00 PM** Exhibit Set - Up
- 7:00 – 8:00 PM** Exhibits and Welcome Reception sponsored by Allergan Aesthetics, an AbbVie company

FRIDAY, FEBRUARY 25, 2022

(Registration 6:30 AM – 6:30 PM)

- 7:00 – 8:00 AM** Breakfast with the Exhibitors
In Exhibit Hall
- 8:00 – 8:05 AM** Welcome Address
Jay Agarwal, MD
MWSPS President, University of Utah
- 8:05 – 8:10 AM** ASPS Update
Bernie Lee, MD
PSF President
- 8:10 – 10:10 AM** Faculty Presentations
Moderated by: David Mathes, MD,
and Chris Kaoutzanis, MD
- 8:10 – 8:25 AM** Approaching the 23-Hour DIEP Flap
Christopher G. Williams, MD
Park Meadows Cosmetic Surgery
- 8:25 – 8:40 AM** The Effects of BMI on Reconstructive Failure Rates in Prepectoral and Subpectoral Implant-Based Breast Reconstruction
Edward Ray, MD
Cedars-Sinai Medical Center
- 8:55 – 9:10 AM** Building Your Own Plastic Surgery Operating Room - From Planning to Completion
Karen Horton, MD
Private Practice, San Francisco Plastic Surgery
- 9:10 – 9:25 AM** Gender Non-Conforming Phalloplasty
Isak Goodwin, MD
- 9:25 – 9:40 AM** Five Paradigm Shifts in Global Cleft Surgery
Jordan Swanson, MD
Children's Hospital of Philadelphia

- 9:40 – 10:00 AM** Facial Feminization: The University of Utah Experience
Dana Johns, MD
University of Utah

10:00 AM – 3:15 PM Recess

- 3:15 – 4:00 PM** Break with the Exhibitors
In Exhibit Hall
- 4:00-6:15 PM** Faculty Abstracts
Moderators: Richard Baynosa, MD,
and Jay Agarwal, MD
- 4:00 – 4:15 PM** Surgical and Patient-Reported Outcomes of 694 Two-Stage Prepectoral Vs. Subpectoral Breast Reconstructions
Jesse Selber, MD
University of Cincinnati/Cincinnati Children's Hospital
- 4:15 – 4:30 PM** Nontechnical Skills for Surgical Fellows: Assessing the Impact of a Formal Leadership Curriculum
Ingrid Ganske, MD
Boston Children's Hospital
- 4:30 – 4:45 PM** The Value of Ultrasound in Reconstructive Surgery
Bernie Lee, MD
Harvard Medical School
- 4:45 – 5:00 PM** The Big Five - What a Physician Should Know about Their Employment Agreement
Jay Reyero
ByrdAdatto
- 5:00 – 5:15 PM** Anatomic characteristics and versatility of the PAP flap
Rene Largo, MD
MD Anderson
- 5:15 – 5:30 PM** Complex Spinal Column Reconstruction
Justin Sacks, MD
Washington University in St. Louis
- 5:30 – 5:45 PM** Reducing Opioid Use in Aesthetic Surgery
Jeff T Healy, MD
Healy Plastic Surgery



PROGRAM

6:00 - 6:15 PM **A New Mechanism of Mutilating Hand Injuries: The Side-By-Side Utility-Terrain Vehicle**
Shaun D. Mendenhall, MD
University of Utah

6:15 - 7:00 PM **Friday Poster Session**
In Exhibit Hall

7:00 - 8:00 PM **Novel Omega3 rich Fish Skin in Upper & Lower Extremity Reconstruction**
Gregory Borah, MD, DMD, FACS
Professor and Chief, Division of Plastic, Hand and Burn Surgery | University of New Mexico School of Medicine, Albuquerque, New Mexico USA

Sponsored Satellite Symposia
sponsored by Kerecis

4:15 – 4:30 PM **Breast augmentation and pectus excavatum repair**
Dawn Jaroszewski, MD
Mayo Clinic - Arizona

4:30 – 4:45 PM **Pediatric Limb Reconstruction with Free Fibula Transfers: Tools and Techniques**
Tim Schaub, MD
Phoenix Children's Hospital

4:45 – 5:00 PM **Addressing Gender Equity at an Academic Institution — A Single Institution Experience**
Alanna Rebecca, MD
Mayo Clinic, Arizona

5:00 – 5:15 PM **Bone Tissue Engineering – A New Rung on the Reconstructive Ladder?**
Chris Runyan, MD
Wake Forest Medical Center

5:15 – 5:30 PM **Minimally Invasive or Conventional Facelift: Patient Selection and Operative Techniques**
Bruce Mast, MD
University of Florida College of Medicine

5:30 – 5:45 PM **Strategies to Prevent and Mitigate Complications in Gender Affirming Vaginoplasty**
Pierre Brassard, MD
GRS Montréal

5:45 - 6:00 PM **Evolution from pre-pectoral breast reconstruction to subfascial breast augmentation**
Steven Sigalove, MD
Scottsdale Center for Plastic Surgery

6:15 PM Adjourn

SATURDAY, FEBRUARY 26, 2022

(Registration 6:30 AM – 6:30 PM)

7:00 – 8:00 AM **Breakfast with the Exhibitors**
In Exhibit Hall

8:00 – 8:05 AM **Welcome and Announcements**
Jay Agarwal, MD
MWSPS President, University of Utah

8:05 – 8:10 AM **ASAPS Update**
Steven Sigalove, MD
The Aesthetic Society, Parliamentarian

8:10 – 10:05 AM **Faculty Presentations**
Moderators: Gregory Borah, MD, DMD, FACS, and Patrick Garvey, MD

10:00 AM – 3:15 PM Recess

3:15 – 4:00 PM **Break with the Exhibitors**
In Exhibit Hall

4:00 – 4:15 PM **Lymphovenous Bypass for the Prevention and Treatment of Lymphedema**
Fatma Tuncer, MD
University of Utah

7:00 - 10:00 PM **Saturday Night Dinner**
Golden Cliff/Eagles Nest
** Included in Registration Casual Attire Encouraged*



PROGRAM

SUNDAY, FEBRUARY 27, 2022

- 6:30-7:30 AM** **Coffee Service**
- 6:50-7:00 AM** **Mock Oral Board Instruction for Examiners**
Administered by: Anil Shetty, MD, and Isak Goodwin, MD
- 7:00-8:30 AM** **Mock Oral Boards**
- 8:30-9:25 AM** **Sunday Breakfast**
Sponsored by Select Surgical Technologies
Bioresorbable Synthetic Mesh and Biologics in Primary Cosmetic, Cosmetic Revision & Reconstructive Surgery
Joseph Khouri, MD
Breakfast Symposia (Magpie Room)
- 9:30-9:35 AM** **Welcome**
Jay Agarwal, MD
MWSPS President, University of Utah
- 9:30-1:30 PM** **Resident Abstract Session**
Moderators: David Greenspun, MD and Tae Chong, MD
- 9:30-9:35 PM** **Use of Antibiotic-Impregnated Polymethylmethacrylate (PMMA) Plates for Prevention of Periprosthetic Infection in Breast Reconstruction**
Kelsey Lipman, MD
Stanford University
- 9:35-9:40 PM** **Microscope-Integrated Optical Coherence Tomography Accurately Predicts Anastomotic Patency**
Jared A Blau, MD, Med
Duke University Medical Center
- 9:40-9:45 AM** **Evaluating the Impact of Breast and Nipple Sensation on Quality-of-Life after Nipple-Sparing Mastectomy with Implant Reconstruction: Long-Term Outcomes Utilizing Breast-Q**
Nicole Van Spronsen, MD
Mayo Clinic
- 9:45-9:50 AM** **Reconstructive Management of Extensive Pediatric Mandibular Defects after Oncologic Resection**
Garrison Alecsander Leach, MD
University of California San Diego
- 9:50-10:00 AM** **Q&A**
- 10:00-10:05 AM** **Analysis of Costs Associated with Revascularization and Replantation of Digits**
Sagar S Deshpande, MD
University of Minnesota
- 10:05-10:10 AM** **Reconstructive Burnout after Mastectomy: Implications for Patient Selection**
Sameer Halani, MD, MSc
UT Southwestern
- 10:10-10:15 AM** **The Phenomenon of an Obesity Paradox in the Context of Infection and Wound Dehiscence Rates Versus Body MASS INDEX in Patients with Breast Reconstruction**
Nellie V Movtchan, MD
Mayo Clinic in Arizona
- 10:15-10:20 AM** **Role of Cultured Mesenchymal Stem Cells in Improving Cutaneous Pigmentation**
Sunaina Afzaal, MD
Rahber Medical College Lahore
- 10:20-10:25 AM** **Systematic Review of Donor Site Morbidity of the Osteocutaneous Radial Forearm Free Flap and the Role of Bone Grafting**
Mitchell Edward Lyons, MD
University of Nevada Las Vegas
- 10:25-10:30 AM** **Q&A**
- 10:30-10:35 AM** **The Impact of Oncoplastic Reduction on Initiation of Adjuvant Radiation and Need for Re-Excision: A Database Evaluation**
Jennifer Krupa Shah
Stanford University



PROGRAM

- 10:35-10:40 AM** **Reconstructive Outcomes in Radiation-Induced Breast Angiosarcomas: A Single Center Experience**
Serena Day, MD
Mayo Clinic
- 10:40-10:45 AM** **Patients Prescribed Antithrombotic Medication In Elective Implant-Based Breast Reconstruction Are High Risk For Major Thrombotic Complications**
Aaron Lee Wiegmann, MD
Rush University Medical Center
- 10:45-10:50 AM** **Evaluation of Walant Open Carpal Tunnel Release: What Are the Differences?**
Lacey R. Pflibsen, MD
Mayo Clinic Arizona
- 10:50 - 10:55 AM** **Breast Reconstruction Practice Trends in the Setting of Post Mastectomy Radiation Therapy: Analysis of Current Practices Among Plastic Surgeons in the United States**
Jerry H. Yang, BS
University of Colorado
- 10:55-11:00 AM** **Q&A**
- 11:00-11:05 AM** **Modern Safety of Outpatient Plastic Surgery: A Comparative Analysis of Facilities Using TOPS Registry with 286,826 Procedures**
Mustafa Chopan, MD
University of Florida College of Medicine
- 11:05-11:10 AM** **Modified Frailty Index Identifies Increased Risk of Post-Operative Complications Following Orif Fordistal Radius and Ulna Fractures: Analysis of 17,027 Patients, from the 2005-2017 NSQIP Database**
Dattesh R Dave, MD
UC Davis
- 11:10-11:15 AM** **Outcomes of Omental Vascularized Lymph Node Transfer Utilizing the Da Vinci SP System for the Treatment of Lymphedema**
Lyndsay A Kandji, BS
Mayo Clinic Arizona
- 11:15-11:20 AM** **Free Flap Thrombosis Risk: A Genomic Analysis of Thrombophilia Variants in the General Population**
Aradhana Mehta, MD, MPH
University of Nevada, Las Vegas
- 11:20-11:25 AM** **Breast Implant Illness in Male to Female Top Surgery Patients**
Haley Desjardins, MD
University of Colorado
- 11:25-11:30 AM** **Q&A**
- 11:30-11:45 AM** **BREAK (15 Minutes)**
- 11:45-1:15 PM** **Resident Abstract Session**
*Afternoon Resident Moderators:
Alvivi Kwok, MD, and Fatma Tuncer, MD*
- 11:45-11:50 AM** **Social Determinants of Health: A Critical Factor in Adult Traumatic Brachial Plexus Injury Outcomes**
Sarah A Layon, BS
University of Minnesota Twin Cities
- 11:50-11:55 AM** **The Utility of Telemedicine in Plastic and Reconstructive Surgery: Provider and Patient Perspectives**
Brandon Alba, MD, MPH
Rush University Medical Center
- 11:55-12:00 PM** **Nursing Monitoring of Microsurgical Free Flaps: Identifying and Addressing Knowledge Gaps**
Cory J Colombini, MD
Kirk Kerkorian School of Medicine at UNLV
- 12:00-12:05 PM** **Targeted Muscle Reinnervation in the Foot: An Anatomical Study**
Laurel Ormiston, MD
University of Utah
- 12:05-12:10 PM** **Rate of Spontaneous Bone Regeneration of the Hard Palate after Primary Palatoplasty in Children with Cleft Palate and Its Effects on Future Midface Surgery**
Eric W. Anderson, MD
University of Utah
- 12:10-12:15 PM** **Q&A**



PROGRAM

12:15-12:20 PM **Immediate Lymphatic Reconstruction for the Prevention of Cancer-Related Lymphedema: Preliminary Experiences of a Single Center**

Kaylee Scott, MD
University of Utah

12:20-12:25 PM **Botulinum Toxin a for the Treatment of Sympathomimetic Pressor Induced Digital Hand Ischemia in the Critically Ill Intensive Care Unit Patient**

Avra S Laarakker, MD, MSc
University of New Mexico

12:25-12:30 PM **When to Perform Maxillofacial Computed Tomography: Evaluation of over 9,000 Facial Trauma Patients**

Shawhin RK Shahriari, MD
University of New Mexico

12:30-12:35 PM **Long Term Outcomes in Patients Receiving Microfragmented Adipose Tissue Injection for Treatment of Knee Osteoarthritis**

Joshua L Harrison, MD
University of New Mexico

12:35-12:40 PM **Macromastia and Reduction Mammoplasty: Analysis of Total Cost of Care and Opioid Consumption at 10-Years Post-Operatively**

Kayvon Jabbari, MPH
University of Colorado, Anschutz Medical Center

12:40-12:45 PM **Q&A**

12:45-12:50 PM **Surface to Perforator Index: Assessing the Importance of the Number of Perforators in Successful Harvesting of the Anterolateral Thigh Flap**

Noah Saad, MD
UT Health San Antonio

12:50-12:55 PM **The Price of Prepectoral Versus Subpectoral Breast Reconstruction: A Cost-Effectiveness Analysis**

Tony Thawanyarat, BS
Stanford University

12:55-1:00 PM **Q&A**

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