



42nd Annual
SYMPOSIUM
PROGRAM
2020

January 26 - January 30
Wailea Beach Resort Marriott
Maui, HI

The 42nd John A. Boswick, M.D.
Burn and Wound Care Symposium

January 25-30, 2020

Wailea Beach Marriott Resort

Program Director
Paul Glat, M.D.

Program Co-Director
Paul Silverstein, MD

Meeting Coordinator
Jacqueline McBride

Program Coordinating Committee
Rajiv Sood, MD

Exhibitor Committee
Roger Huckfeldt, MD
Matt Price

And, thank you to everyone else who helped make this year's meeting a great success!!

GENERAL INFORMATION

This course is for physicians, researchers, investigators, nurses, therapists, and others interested in development of techniques, drugs, and devices in the study and management of wound healing, wound management, burn care, and infection control.

We are pleased that this meeting is a cooperative effort among the following:

**American Burn Association
Australia-New Zealand Burns Association
The International Society for Burn Injuries**

Aloha and welcome to all our participants and colleagues!

The following information is provided to ensure that your attendance to the symposium will be informative as well as relaxing and enjoyable.

Location: All sessions will be held at the Wailea Beach Resort - Marriott Maui.

Registration: Attendee and Exhibitor registration will begin on Saturday, January 25, 2020 from 3:00 - 6:00 pm in front of the Aulani Grand Ballroom. Tabletop exhibits may be set up at that time. Participants and guests of participants may also register. We encourage everyone to register in advance.

Registration Fees: The on-site registration fee is \$800.00 (US funds). The registration fee will cover participation in scientific sessions, daily continental breakfast and coffee breaks, the Welcome Reception to be held on Saturday, January 25 at 6:00 pm, the Poster Session Reception on Monday, January 27 at 5:30 pm and the Symposium Dinner to be held on Wednesday, January 29 at 6:00 pm (location to be determined). You may purchase additional admission tickets for both events for your guests at the registration desk located in front of the meeting room. Please note that all participants must register their guests for all events (including Exhibitors). Guest registration is \$250. No single event tickets are available.

We respectfully request that exhibitors, participants, and guests to the extracurricular events dress appropriately. Casual or Hawaiian attire is acceptable. Please no shorts.

We hope that you enjoy the conference and your stay at the Wailea Beach Resort - Marriott Maui. If you have any questions or concerns, please do not hesitate to seek assistance at the registration desk or hotel concierge.

Mahalo!

SATURDAY
January 25, 2020

3:00-6:00 pm Registration - outside of Aulani Grand Ballroom

6:00-7:30pm WELCOME RECEPTION - Rooftop
All registered participants and exhibitors are welcome to attend.
All guests are required to register.

**PROGRAM
SUNDAY
January 26, 2020**

- 7:00 Continental Breakfast in Exhibit Hall
- 7:40 **Paul Glat, MD**
Welcome, Introduction
- 8:00 **Rajiv Sood, MD**
The Utilization of a Bio-absorbable Wound Matrix in Conjunction with a Bio-absorbable Antimicrobial Dressing and Burn Wound Closure
- 8:15 **Neha Amin, DO - CME Presentation**
Impact of Use of Early Continuous Renal Replacement Therapy in Large TBSA Burn Patients: A Retrospective Analysis in a Large Urban Institution
- 8:30 **Julie Rizzo, MD**
Major Burn Injury Successfully Treated with Cultured Epithelial Autograft: Establishing Standard Clinical Practices
- 8:45 **Hamed Amani, MD**
Current Utilization of TransCyte for Partial Thickness Burns
- 9:00 **Britlyn D. Orgill, MD - CME Presentation**
Updates in Simulation for Surgery: From Low Fidelity to Virtual Reality and Beyond!
- 9:15 **Nicole Kopari, MD - CME Presentation**
The Faces of Autologous Skin Cell Suspension as Epidermal Grafts
- 9:30 **Tom Davenport, MD**
The Viability Characteristics for a Tissue Morselizing Device
- 9:45 **Karalyn E. Hillebracht, DO**
Outcomes of a Novel Algorithm that Incorporates Integra into the Operative Management of Deep Hand Burns
- 10:00 **BREAK WITH EXHIBITORS**

**PROGRAM
SUNDAY
January 26, 2020**

- 10:30 **Eugene Wu, MD**
The Use of Fish Skin in the Treatment of Pediatric Burns
- 10:45 **John P. McQuilling, PhD**
Characterization of Dehydrated Amnion Chorion Membranes and in vivo and in vitro Evaluation
- 11:00 **Jill Krystofinski, CRNA - CME Presentation**
A Novel Approach to Burn Laser Therapy Outside of the Operating Room: Optimizing Efficiency and Pain Management
- 11:15 **Gerhard Munding, MD**
Closure of Complex Wounds with Exposed Critical Structures Using an Autologous Homologous Skin Construct in a Pediatric Cohort: Intermediate Follow-up
- 11:30 **Roger Simpson, MD**
The CORTRAK* Enteral Access System: Optimizing Nutrition in Burn Patients
- 11:45-12:15 The First Annual Louis Riina Memorial Lecture - CME Presentation**
Rajiv Sood, MD
An Evidence Based Laser Therapy Algorithm for the Treatment of Burn Scars
- 12:30 – 1:45 pm **Lunch Symposium - Limited to 50 attendees - Mimedx**

PROGRAM
MONDAY
January 27, 2020

- 6:30 **Breakfast Symposium** - Limited to 50 attendees- **Avita Medical**
- 7:00 Continental Breakfast in Exhibit Hall
- 7:45 **Michael Schurr, MD**
Antibiofilm Matrix for Burns
- 8:00 **Charis Kelly, RN (EC), MN, NP - CME Presentation**
Creating a Clinical Practice Guideline for Burn Care - Keep it Simple!
- 8:15 **Kevin Foster, MD**
Treatment of Donor Sites in Large TBSA Burn Injuries with an Autologous Skin Cell Suspension Supports Early Reharvesting
- 8:30 **Helen Thomason, PhD**
Silver Dressings: Variability in Antimicrobial Efficacy and Effects on Healing
- 8:45 **Kathryn Skibba, MD**
Airbag Burns: An Unnecessary Consequence of Motor Vehicle Safety
- 9:00 **Yaron Shoham, MD**
Top line results of the DETECT enzymatic debridement multicenter RCT
- 9:15 **Ariel Aballay, MD**
Esterified Hyaluronic Acid Based Matrix use on Exposed Structures
- 9:30 **Shawn Fagan, MD**
The Utilization of a Silicone Dressing and CO2 Laser Therapy in CEA Hypertrophic Burn Scars
- 9:45 **Gregory Schulz, PhD**
Efficacy of A New Iodine Based Dressing on Treating Biofilms
- 10:00 **BREAK WITH EXHIBITORS**

**PROGRAM
MONDAY
January 27, 2020**

- 10:30 **Marc R. Matthews, MD**
Limb Salvage: Dehydrated Human Amnion/Chorion Membrane Allografts (dHACM) with Decellularized Human Collagen Matrix (dHCM) Can Prevent Amputations
- 10:45 **Thea Price, MD**
The Role of Skin Replacements in Autoimmune Skin Disease: A Comprehensive Overview of Treatment
- 11:00 **Joel Fish, MD - CME Presentation**
Dealing with Laser Technology for Burn Scars: Learning to Use and Understand the CO2 Laser
- 11:15 **Michael Desvigne, MD**
Optimizing Surgical Closure of Chronic Soft Tissue Defects using ECM Graft Placement to Stabilize Tissue Flaps
- 11:30 **Steven Jeffery, MD, FRCS (Plast)**
The Utility of MolecuLight Bacterial Sensing in the Management of Burns and Traumatic Wounds
- 11:45 **Kyung-Chul Moon, MD, PhD**
Efficacy and Safety of Collagen-Hyaluronic Acid Complexes on Prevention of Depressed Scar Following Mass Excision
- 12:00 **Jarrold Kaufman, MD**
A Prospective, Randomized, Controlled, Multi-Center Comparative Study of Two Application Regimens of Amniotic Membrane Wound Graft Versus Standard of Care in the Management of Non-Healing Venous Leg Ulcers
- 12:15 **Dennis Orgill, MD - CME Presentation**
Reconstruction Following Large Excisions of Hidradenitis Suppurativa
- 12:30 – 1:45 pm **Lunch Symposium** - Limited to 50 attendees - **Smith & Nephew**
- 5:30 PM **POSTER SESSION** – Wine & Cheese

**PROGRAM
TUESDAY
January 28 2020**

- 6:30 **Breakfast Symposium** - Limited to 50 attendees - **Integra**
- 7:00 Continental Breakfast in Exhibit Hall
- 7:45 **Peter Arnold, MD, PhD**
Algorithm for the Use of Dermal Matrices in Lower Extremity Reconstruction
- 8:00 **Kathryn Bass, MD**
dHACM as treatment for Pediatric Burns
- 8:15 **Young Koo Lee, MD - CME Presentation**
Evaluation of the Effect of Diesel Exhaust Particles (DEPs) on in vitro and in vivo Diabetic Wound Healing Models
- 8:30 **Glenn Franklin, MD**
The Impact and Cost of Burn Treatment while Smoking on Home Oxygen
- 8:45 **Chandra Ellis, MD**
Use of Suprathel to Cover Donor Sites Treated with Autologous Regenerative Epidermal Suspension
- 9:00 **Saeed Chowdhry, MD and Cynthia Miller, RN**
Use of Negative Pressure Wound Therapy With Instillation and a Reticulated Open Cell Foam With Through Holes During Early-Stage Management of Nonviable Tissue
- 9:15 **Malachy Asuku, MD**
Secondary Burn Wound Conversion: Clinical Implication in the Treatment of Severe Burns
- 9:30 **Abigail Chaffin, MD**
ECM Reconstruction of Soft Tissue Defects with Exposed Vital Structures
- 9:45 **Manuel Castillo-Angeles, MD, MPH**
Verified vs. Non-verified Centers: A National Analysis of Outcomes in Burn Patients
- 10:00 **BREAK WITH EXHIBITORS**

**PROGRAM
TUESDAY
January 28, 2020**

- 10:30 **Mark Granick, MD**
Midterm Follow-up of Retrospective Multicentered Clinical Case Series of Pressure Sores and Sacral Ulcers Treated with a Novel Autologous Homologous Skin Construct
- 10:45 **Andrea Dunkelman, MD**
A Versatile Approach to Continuous Debridement with and without Grafting: A Case Series Review
- 11:00 **Robert Bearden, PhD**
How Enzymatic Debridement Mitigates Inflammation and Burn Conversion; A Scientific Deep Dive
- 11:15 **Mija Khan, MD**
Application of Biodegradable Temporizing Matrix in Limb Salvage Following Necrotizing Soft Tissue Infections
- 11:30 **Tom Serena, MD**
Wound Assessment Paradigm Shift: A 350-Patient Multi-Site Clinical Trial Incorporating Bacterial Fluorescence Imaging into Standard of Care
- 11:45- 12:30 The Paul Silverstein Annual Keynote Lecture**
Aubrey Woodroof, PhD, MBA
A History of Skin Substitutes
- 12:30 – 1:45 pm **Lunch Symposium** - Limited to 50 attendees - **Lumenis**

**PROGRAM
WEDNESDAY
January 29, 2020**

- 6:30 **Breakfast Symposium** - Limited to 50 attendees- **Vericel**
- 7:00 Continental Breakfast in Exhibit Hall
- 7:45 **Philip Hewes, MD**
Early vs Delayed Burn Excision and Grafting: Waiting a Week or More Does Not Necessarily Increase Wound Infection Rates
- 8:00 **Alisa Savetamal, MD**
Analysis of Current Real-World Burn Care Practice Patterns Compared to National Burn Registry
- 8:15 **John Garretson, CWCA, BA**
The Impact of a Novel Circular Cutting Device on Procurement and Processing of Human Allograft
- 8:30 **Chandra Ellis, MD**
Clinical Consensus Data on the Benefits of the Exsurco Medical Amalgatome
- 8:45 **Mark Suski, MD**
Clinical Observations of a Novel Fish-Skin Graft in Reconstruction of a Complex Full Thickness Burn
- 9:00 **Scott Echternacht, Medical Student - CME Presentation**
Face Burns: To Graft or Not to Graft
- 9:15 **Scott Hansen, MD**
Preserving Tissue from the Surgeon and Bioburden: A Retrospective Case Series Review of Hydrosurgical Debridement and Subsequent Application of a Nanocrystalline Silver Dressing
- 9:30 **Vicki Fischenich, RN, MSN**
Use of HOCL Wound Cleanser and HOCL Hydrogel To Treat Complicated Inpatient Wounds
- 9:45 **Ben Wehril, DPM**
A Prospective Multi-Center Study of a Weekly Application Regimen of Viable Human Amnion Membrane Graft in the Management of Non Healing Diabetic Foot Ulcers
- 10:00 **BREAK WITH EXHIBITORS**

**PROGRAM
WEDNESDAY
January 29, 2020**

- 10:30 **Michael Desvigne, MD**
A Novel Technique for the Management of Venous Stasis Ulcers
- 10:45 **Saeed A. Chowdhry, MD**
Early-Stage Management of Wounds With Nonviable Tissue Using Negative Pressure Wound Therapy With Instillation and a Reticulated Open Cell Foam Dressing With Through Holes
- 11:00 **Frank Lau, MD**
Pyoderma Gangrenosum: A Local Surgical Cure and Molecular Insights
- 11:30 **Tammy Luttrell, PhD**
Exosomes as an Adjunct the Treatment of Complex Wounds/Burns
- 11:45 **Danielle Bennett, MSN, APRN, ANP, FNP**
Silver Impregnated Absorbent Pads Can be a Cost Effective Strategy in the Care of Steven Johnson Syndrome and Toxic Epidermal Necrosis Patients as Compared to a Nonadherent Silver Impregnated Silicone Foam Dressing
- 12:00 **Hamed Amani, MD**
Utility of Biodegradable, Temporizing Matrix for Limb Reconstruction and Limb Salvage
- 12:15 **William Abouhassan, MD**
Wound Healing Technique Utilizing an Autologous Homologous Skin Construct Effectively Promotes Full-Thickness Closure in Recalcitrant Wounds: A Single Institution Retrospective Case Series
- 12:30 – 1:45 pm **Lunch Symposium** - Limited to 50 attendees - **Medline**
- 6:00 pm Symposium Sunset Cocktail and Dinner Reception

**PROGRAM
THURSDAY
January 30, 2020**

- 7:00 Continental Breakfast
- 8:15 **Michael Serghiou, OTR, MBA, BT-C**
Non-Surgical Scar Management: The Use of Silicone in Managing Challenging Hypertrophic Scars
- 8:30 **Tracee Short, MD**
All Lotions are Created Equal
- 8:45 **Gary Vercruysse, MD**
How Did This Happen? Zombie Xenograft? Xenograft Conversion To Dermal Scaffolding After Scalding Grease Burn
- 9:00 **Charis Kelly, RN (EC), MN, NP - CME Presentation**
Optimizing Pain and Anxiety Management in the Pediatric Burn Population
- 9:15 **Frank Lau, MD - CME Presentation**
Mesenchymal Exosomes for Complete Closure of a Recurrent Ischial Ulcer
- 9:30 **James McGuire, DPM - CME Presentation**
Examination of Wound Biobload Before and After Application of a Hypochlorous Hydrogel Using DNA Sequencing and PCR Testing
- 9:45 **Tracee Short, MD**
No Narcotics Left Behind: Managing Pain in Burn Patients in the Era of an Opioid Crisis
- 10:00 **Kevin Foster, MD**
Assessing Health Economics of New Burn Care Interventions
- 10:15 **BREAK**

**PROGRAM
THURSDAY
January 30, 2020**

- 10:45 **Nicole Kopari, MD - CME Presentation**
Video: An Educational Prevention Tool to Improve Public Awareness of Youth Fire Setting
- 11:00 **Laura Elizabeth Cooper, MD - CME Presentation**
The Use of Topical Exogenous Nutrient Supplementation to Improve Graft Take on an Avascular Wound Bed
- 11:15 **Laura Elizabeth Cooper, MD - CME Presentation**
Use of Laser Speckle Contrast Imaging in Assessing Depth and Progression of Burn Wounds
- 11:30 **Phillip Kemp Bohan, MD - CME Presentation**
Fractionated Ablative Carbon Dioxide Laser Therapy Improves Hypertrophic Burn Scar Thickness as Measured by High-Frequency Ultrasound
- 11:45 **Gary Vercruysse, MD**
Shocked Through the Heart and YouTube is to Blame-The Rising Incidence of Accidental Trans-cardiac Electrocution from Do-it-yourself Fractal Wood Art
- 12:00 **Paul Glat, MD**
Closing Remarks

Poster Session with the Authors
Monday, January 27, 2020
5:30 PM

Successful Reconstruction of Burn Scar Contracture Using Dermal Regeneration Template
Eun Young Rha, MD, PhD

A Case Series and Reconstructive Burn Surgeon's Experience with an Esterified Hyaluronic
Acid Matrix as a Multi-Functional Tool used for Limb Salvage
Darnell J. Brown, MD, MPH

Military Veterans with Chronic Lower Extremity Wounds Treated with Autologous Homologous
Skin Construct
Ryan Mathis, MD

Novel Delivery System of TGF Beta-1 Utilizing Implantable Bone Regeneration Device for
Compromised Wounds in a Swine Model (Sus scrofa)
Justin Sleeter, MD - CME Presentation

Granulation and Genomic Evaluation of a Novel Negative Pressure Wound Therapy (NPWT)
Dressings
Kathleen Derrick, MS

Design of a Prospective Multicenter Randomized Controlled Clinical Study to Investigate the
Safety and Effectiveness of Autologous Skin Cell Suspension Combined with Meshed Autograft
for Reduction of Donor Area in Soft Tissue Reconstruction
Katie Bush, PhD

Effective Community Engagement for Fire Fighters & Burn Care Clinicians
Kenneth Korber, PA, ASH-CHC, DFAAPA

Functional and Aesthetic Resurfacing in Extremity with Postburn Scar Contracture Deformity
using Thoracodorsal Artery Perforator (TDAP) Free Flaps
Kim Youn Hwan, MD

An Economic Analysis of a Single-Use Negative Pressure Wound Therapy Following
Leo Nherera, PhD

sNPWT Systematic Review and Meta-Analysis Following Surgery
Leo Nherera, PhD

sNPWT Compared to Traditional Negative Pressure in Lower Extremity Ulcers
Leo Nherera, PhD

Application of Negative Pressure Wound Therapy Using a Novel Drape Containing an Acrylic
and Silicon-based Adhesive
Michael Desvigne, MD

Limb Salvaging in Multiple Extremity Gangrene
Mira Yoon, DO, MPH

Bioavailability Evaluation of Harvested Swine (Sus Scrofa) Forelimbs Following 24 hours of
Machine Perfusion using the ULiSSES Platform
Olivia Parry, DO - CME Presentation

Management of a rare Morel-Lavallee lesion with skin necrosis and concomitant full thickness
burn using the VERAFLU wound vac
Rachel Williams, MD

Meta-Analysis Evaluating the Use of Oxidized Regenerated Cellulose/Collagen Dressings
Saeed A. Chowdhry, MD

Biodegradable Temporizing Matrix versus ReCell Spray on Skin
Samantha Wenta, PA-C

Vested in Silver
Sarah Ashouri, CRNP
James Hwang, MD

The Role of Social Workers in Recovery of Burn Survivors: Perspectives From the Field
Thereasa Abrams, PhD

The Economical Use of HOCl Wound Cleanser and HOCl Hydrogel to Treat a Non-Healing
Pyoderma Gangrenosum Lower-Leg Ulcer: A Patient Case Report
Vicki Fischenich, RN, MSn, GNP-BC

Increased Correlation of Pseudomonas aeruginosa Mediated Biofilm and Slough
Paul Glat, MD

Customer Preference Usability and Preclinical Testing: Potential Benefits and Ease of Use of a
Novel Negative Pressure Wound Therapy Dressing Compared to Standard Foam Dressing after 7
Days of Continuous Therapy
Diwi Allen, MS

The Use of the MolecuLight X for Managing the Bacterial Burden in Paediatric Burns
Steven Jeffery, MD, FRCS (Plast)

Radiation-induced Back Ulcers After Complex Endovascular Procedures
Sik Namgoong, MD, PhD

Different By Design: New Biologic Innovations for Complex Surgical Wound Management
Michael Desvigne, MD

Kris Kieswetter poster goes here