

The 41st John A. Boswick, M.D.
Burn and Wound Care Symposium

February 3-7, 2019

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 Liaison 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 cooperate effort among the following:

**American Burn Association
Australia-New Zealand Burns Association
The International Society for Burn Injuries
Academy of Physicians in Wound Healing**

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 Marriott Resort and Spa, Maui, Hawaii. Room will be announced at the meeting.

Registration: Exhibitor registration will begin on Saturday, February 2, 2019 from 3:00 - 6:00 pm in front of the Lokelani Ballroom. Tabletop exhibits may be set up at that time. Participants and guests of participants may also register. Participant registration will also be available at the beginning of each conference day.

Registration Fees: The on-site registration fee is \$800.00 (US funds) for each participant. The registration fee will cover the program/abstract booklet, participation in scientific sessions, continental breakfast, and coffee breaks daily. The registration fee will also allow participation for each registered participant the Welcome Reception to be held on Saturday, February 2 at 6:00 pm and the Symposium Dinner to be held on Wednesday, February 6, 2019 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 both events. No single event tickets are available. Exhibitor registration does not include company representative's guests.

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 Marriott Resort. If you have any questions or concerns, please do not hesitate to seek assistance at the registration desk or hotel concierge.

Mahalo!

SATURDAY
February 2, 2019

3:00-6:00 **Registration**

6:00-7:30 pm **WELCOME RECEPTION**
All registered participants and exhibitors welcome to attend.

**PROGRAM
SUNDAY
FEBRUARY 3, 2019**

- 6:30 **Breakfast Symposium** - Limited to 50 attendees - **Excursio**
- 7:00 Breakfast in Exhibit Hall
- 7:40 **Paul Glat, MD**
Welcome, Introduction
- 7:45 **Gary Fudem, MD - CME Presentation**
The Cinderella Layer of Skin
- 8:00 **Rajiv Sood, MD**
A Prospective Evaluation of Spray Keratinocytes to Treat Large TBSA Injuries
- 8:15 **Todd Zuhlke, MD**
A Practical Approach to the Use of Skin Substitutes for the Solo Practitioner
- 8:30 **Nicholas Adams, MD - CME Presentation**
The Use of Tranexamic Acid in Burn Surgery: Preliminary Results from a Double-Blinded, Randomized Placebo-Controlled Trial
- 8:45 **Timothy Pittinger, MD**
Treatment of Burns with Concentrated Surfactant Gel with or without an Antimicrobial Agent
- 9:00 **William Hickerson, MD**
Limb Salvage and Diabetic Wounds with Bioabsorbable Temporizing Matrix
- 9:15 **Marc R. Matthews, MD**
Hypochlorous Acid for Septic Abdominal Processes Using a Unique Negative Pressure Wound Therapy System: A Pilot Study
- 9:30 **David Armstrong, DPM, MD, PhD**
From Wound Care to Wound Closure and Remission: Surgical Means to Heal Wounds and Extend Ulcer-Free Days
- 9:45 **Timothy Zoltie, BA (Hons) PGC - CME Presentation**
The Role of Photographic Training in Wound Care
- 10:00 **BREAK WITH EXHIBITORS**

**PROGRAM
SUNDAY
FEBRUARY 3, 2019**

- 10:30 **Timothy Pittinger, MD**
Use of The Amalgatome Surgical Device in Excision of Burn Wounds and Donor Site Harvesting
- 10:45 **Mary Anne Obst, BSN, RN, CCRN**
Use of Negative Pressure Wound Therapy With Instillation and a Dressing with Through Holes as an Option for Complex Wound Management
- 11:00 **Sigrid Blome-Eberwein, MD**
A Concept of Pediatric Second Degree Burn Care
- 11:15 **Gary Delhougne, PhD**
Healthcare Resource Utilization of Stage 3 & Stage 4 Pressure Ulcer and Diabetic Foot Ulcer Patients Treated Early with Clostridial Collagenase Ointment (CCO) - A Payers Perspective
- 11:30 **Steve Norman, DPM, DABPS**
VERSAJET II in the Outpatient Clinic: Providing Operative Care Outside of the Operating Room
- 11:45-12:15 The Paul Silverstein Annual Keynote Lecture**
Geoffrey Gurtner, MD
Autologous Regeneration of Tissue (ARTTM) Skin Harvesting System: Technology Development and Early Experience
- 1:30 pm **SUPER BOWL PARTY**

**PROGRAM
MONDAY
FEBRUARY 4, 2019**

- 6:30 **Breakfast Symposium** - Limited to 50 attendees- **Avita**
- 7:00 Breakfast in Exhibit Hall
- 7:45 **Michael Desvigne, MD**
Clinical Experience of AmnioBand in Treating Complex Wounds
- 8:00 **Gary Fudem, MD - CME Presentation**
Surgical Needling and Topicals to Treat Traumatic Scarring, Dyspigmentation, Aging and Prevent Skin Cancer
- 8:15 **Michael Bain, MD, MMS**
Impact of Native Type I Collagen Matrix Plus Polyhexamethylene Biguanide Antimicrobial on Management of Non-Healing Wounds: Interim Results from a Registry study.
- 8:30 **Jeffrey Carter, MD**
Use of a Biodegradable Polyurethane Dermal Substitute in Severe Injuries
- 8:45 **Kathryn Skibba, MD - CME Presentation**
Nosocomial Burn Wound Infections are Eliminated with Daily Wound Care
- 9:00 **Elof Eriksson, MD, PhD**
Micro-Autografting in Major Burns
- 9:15 **Ariel Miranda Altamirano, MD**
The Use of Non-adhesive Wound Contact Layer in the Treatment of Pediatric Burns
- 9:30 **Howard Smith, MD**
Treatment of Hidradenitis Suppurative with Synthetic Biodegradable Matrix
- 9:45 **Sandra Fletchall, Burn Rehabilitation - CME Presentation**
Inpatient Rehabilitation Program Specializing in Burn Rehabilitation: One Center's Outcomes
- 10:00 **BREAK WITH EXHIBITORS**

**PROGRAM
MONDAY
FEBRUARY 4, 2019**

- 10:30 **Mary Anne Obst, BSN, RN, CCRN**
Non-surgical alternative with fecal management of perineal skin grafts under negative pressure wound therapy: a case study
- 10:45 **Thea Price, MD and Neal Mehta, MD**
Lateral Femoral Cutaneous Nerve Blocks for Outpatient Split Thickness Skin Grafts - Reduced Opioid Requirements
- 11:00 **Arthur Desrosiers, MD**
“Finger / Toe Sandwich” – A technique for Application of Irrigating and Non-irrigating Multi-Lumen Negative Pressure Wound Therapy to a Single Finger and Toe.
- 11:15 **Nicholas Black B.BioMedSci, MBBS, M.Traumatology**
Initial Experience and Cost Implications with a Novel Biodegradable Temporising Membrane (BTM) in Major Burns over 40%
Self-Immolation: A 20 Year Experience of Severe Self-Inflicted Burns in a State-Wide, Tertiary, Australian Burns Service
- 11:30 **Randi Rutan, RN, BSN, CCRC**
Long-Term Outcomes Associated with Use of Artificial Skin in Soft Tissue Reconstruction
- 11:45 **Frank Lau, MD**
Soft Tissue Regeneration for Critical Extremity Wounds: A Prospective, Randomized Controlled Trial of a Tissue Engineering-based Technique
- 12:00-12:30 **Special Topic:**
Elof Eriksson, MD, PhD - CME Presentation
Face Transplantation –Radical Treatment of the Worst Facial Scars
- 12:30 – 1:45 pm **Lunch Symposium** - Limited to 50 attendees - **MiMedx**
- 5:30 PM **POSTER SESSION – Wine & Cheese**

**PROGRAM
TUESDAY
FEBRUARY 5, 2019**

- 6:30 **Breakfast Symposium** - Limited to 50 attendees - **Vericel**
- 7:00 Breakfast in Exhibit Hall
- 7:45 **Hamed Amani, MD**
Use of a new Synthetic Dermal Matrix in Reconstruction of Complex Wounds Resulting from Necrotizing Soft Tissue Infection, Electrical and Thermal Burns- a Long-Term Follow Up.
- 8:00 **Katharina Schriek, MD**
The Use of Caprolactone Dressing in Pediatric Second Degree Burns- a Gold Standard?
- 8:15 **Juvonda Hodge, MD**
Integra MDRT with Recell in Patients with 40% or greater TBSA
- 8:30 **William Hickerson, MD**
A Comparative Study of Autologous Skin Cell Suspension to Split-thickness Skin Grafts in the Treatment of Deep Partial-thickness Acute Burn Wounds
- 9:00 **Dennis Orgill, MD, PhD**
Application of Plurogel to Complex Wounds: Mechanism of Action
- 9:15 **B. Daniel Dillard, BA - CME Presentation**
The Role of Prevention in Quality Burn Care
- 9:30 **Elizabeth Eldenburg, MD**
Experience Using Negative Pressure Wound Therapy with Instillation and a Reticulated Open Cell Foam Dressing with Through Holes for Managing Complex Wounds
- 9:45 **James McGuire, DPM**
Using a Novel Hypochlorous Hydrogel to Increase Effectiveness in the Management of Surface Bacteria on Chronic Wounds
- 10:00 **BREAK WITH EXHIBITORS**

**PROGRAM
TUESDAY
FEBRUARY 5, 2019**

- 10:30 **Jun Hur, MD**
Limb Salvage using Integra in Patients with High-Voltage Electrical Impairment
- 10:45 **Emma Woodmansey, PhD**
Antimicrobial Resistance in burn Wound Care – Evidence to Support a Role for Nanocrystalline Silver to Tackle this Increasing Global Problem
- 11:00 **Lisa Vitale, BSN**
Cultured Epidermal Autograft Use for Permanent Coverage of a Large Full Thickness Burn in a Pediatric Patient: A Case Report
- 11:15 **Reginald Casilang, MS, FNP - CME Presentation**
Achieving Improved Wound Healing Time and Costs Savings in the Outpatient Wound Care Setting by Utilizing an Extracellular Matrix Dressing
- 11:30 **Farid Mozaffari, MD**
Use of Esterified Hyaluronic Acid Wound Device Shows Improved Healing as Well as Reduced Rate of Infection in Treatment of Open Wounds and Burns
- 11:45 **Tom Serena, MD**
Real-time Bacterial Fluorescence Imaging:Improving the Standard of Care for Wound Assessment
- 12:00- 12:30** **The Carlos Blanco Annual Keynote Lecture - CME Presentation**
JP Hong, MD, PhD, MMM
Introduction to Lymphedema surgery
- 12:30 - 1:45 **Lunch Symposium - Limited to 50 attendees - Medline**
- 3:30 - 5:00** **Medical Photography 101 Training Session - CME Presentation**
Timothy Zoltie, BA (Hons) PGC

**PROGRAM
WEDNESDAY
FEBRUARY 6, 2019**

- 6:30 Breakfast Symposium - Limited to 50 attendees- **Integra**
- 7:00 Breakfast in Exhibit Hall
- 7:45 **Jarrod Kauffman, MD**
A Review of Preclinical and Clinical Evidence of AmnioBand Membrane
- 8:00 **Timothy Burton, MD and Alisa Savetamal, MD**
Use of Biologic Dermal Matrix as an Alternative to Allograft for Deep Burns of the Back
- 8:15 **Mark S. Granick, MD**
A Full Thickness Hair-Bearing Skin Replacement for Burn injuries and acute and chronic cutaneous defects using an autologous homologous skin construct: A Clinical Case Series
- 8:30 **Marjo Yliperttula, PhD**
Clinical Study of the Suitability of Wood Based Nanofibrillated Cellulose for Skin Graft Donor Site Treatment
- 8:45 **Robert Dabek, MD - CME Presentation**
Burn Depth Analysis Using Indocyanine Green Fluorescence, a Review
- 9:00 **Jeffrey Carter, MD**
Combining RECELL with Meshed Autografts Reduces Donor Skin Requirements in the Treatment of Full-Thickness Burn Wounds
- 9:15 **JP Hong, MD, PhD, MMM**
The Use of Integra In Diabetic Foot Reconstruction
- 9:30 **Thea Price, MD**
Human Amnion/Chorion Membrane and Placental Tissue Allograft Enhances Wound Healing
- 9:45 **Paul Glat, MD**
A Unique Biosynthetic Temporary Skin Replacement: Past, Present and Future
- 10:00 **BREAK WITH EXHIBITORS**

**PROGRAM
WEDNESDAY
FEBRUARY 6, 2019**

- 10:30 **Michael Ritter, MD**
The Sufentanil Sublingual Tablet 30 mcg for Management of Acute Pain in Medically Supervised Settings
- 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**
Mesenchymal Stem Cell Exosomes in Hostile, Refractory Lower Extremity Wounds
- 11:15 **Philip D Hewes, MD, MPH**
Knowing the Unknowns: 22% of all burn and inhalation injury patients meeting criteria for referral to burn centers are never seen at one - a review of 15 years of population-level data.
- 11:30 **Nikolai Sopko, MD, PhD**
From bench to bedside: Full-thickness skin and associated dermal appendages regenerated in complex cutaneous wounds treated with an Autologous Homologous Skin Construct
- 11:45 **Sigrid Blome-Eberwein, MD**
Dermal Regeneration vs Full Thickness Skin Grafting in Palm Burn Contracture Release
- 12:00 **Dennis Orgill, MD, PhD - CME Presentation**
Plastic Surgery Complications from Medical Tourism Treated in a US Academic Medical Center
- 6:00 pm Symposium Sunset Cocktail and Dinner Reception

**PROGRAM
THURSDAY
FEBRUARY 7, 2019**

- 7:00 Breakfast
- 8:00 **Tracee Short, MD**
Biodegradable Temporising Matrix on Full Thickness Wounds: Two Years Later
- 8:15 **Kevin Foster, MD**
Healing of Donor Sites with an Autologous Skin Cell Suspension for Large TBSA Burn Injuries:
A Prospective Evaluation
- 8:30 **Rodney Stuck, DPM - CME Presentation**
Wound Closure with Sustained Remission for Non-Healing Neuropathic Forefoot Ulcers
- 8:45 **Chandra Ellis, MD**
Suprathel Skin Substitute: 4 Year Experience - Expanding Indications
- 9:00 **Tracee Short, MD and Deidre Shopshire, CST**
A One-Year Follow up to a Dual Perspective of the Adoption of New Technology that Hasn't
Changed for Years
- 9:15 **Miranda Chacon, BS**
Thin and Ultra-thin Split-Thickness Skin Grafts are Safe and Efficacious in the Burn Population
- 9:30 **Saeed A. Chowdhry, MD**
Use of Oxidized Regenerated Cellulose (ORC)/Collagen/Silver-ORC Dressings for Skin Graft
Donor Sites
- 9:45 **Fedra Fallahian, MD**
Cultured Epidermal Autograft Usage in Reducing Major Burn Injury Length-of-Stay and
Complications
- 10:00 **Kevin Foster, MD**
Compassionate Use of an Autologous Skin Cell Suspension in a Patient with a Large Soft Tissue
Defect Due to a Necrotizing Soft Tissue Infection
- 10:15 **BREAK**

**PROGRAM
THURSDAY
FEBRUARY 7, 2019**

- 10:30 **Sigrid Blome-Eberwein, MD**
Better Than Duct Tape—An Alternative Versatile Non-Adherent Wound Dressing
- 10:45 **Gerhard Mundinger, MD**
Soft Tissue Reconstruction of Complex Lower Extremity Wounds with Exposed Deep Structures
Utilizing an Autologous Homologous Skin Construct in Pediatric Cases
- 11:00 **Jennifer Schiefer, MD**
Treatment of Large Burns 10-49% TBSA with Pure Silk
- 11:15 **Thea Price, MD**
An Innovative Ultrasonic Surgical Debridement System in Surgical Wound Bed Preparation
- 11:30 **Andre Loubser, MD**
Who Takes Responsibility of Burn Care In the Developing World
- 11:45 **James McGuire, DPM**
Hypochlorous Acid Solution: Maximizing Antimicrobial Effectiveness While Minimizing Tissue
Toxicity
- 12:00 **Closing Remarks**

Poster Session with the Authors
Monday, February 4
5:30 PM

Endotracheal Tube Anchoring to the Maxilla in Edentulous Patient with a Facial Burn
Masaki Fujioka, MD, PhD

Early Clinical Experience Using an ECM d\ Dressing with Ionic Silver in Diabetic
Patients with Lower Extremity Ulcers
Reginald Casilang, MS, FNP

Novel Foam Design Actively Draws Wound Edges Together Under Negative Pressure
(NP): Pre-Clinical Assessment
Marisa A Schmidt

Advances in Surgical Management of Post-Burn Contractures
Kenji Hayashida, MD, PhD

Efficacy and Safety of Liposomal Bupivacaine for Pain Management in Split-Thickness
Donor Sites in an Older Pediatric Burn Population
Robert Dabek, MD

The Modified Lithotomy: A Novel Operative Position for Super Morbidly Obese Patients
in Lower Extremity Wound Care Procedures
Benjamin Googe, MD

DermaClose for Soft Tissue Expansion in Complex Pediatric Reconstruction
Benjamin Googe, MD

Scar, Physiology, Research, & Treatment Fund (SPiRiT)
Matthew Ferdock

Paracrine Effects of Adipose Derived Stem Cells
Hiroshi Yoshimoto, MD, PhD

Palliative Surgery for Advanced Breast Cancer Improves Patients' Quality of Life
Masaki Fujioka, MD, PhD

Reconstruction of a Regrowing Nail after Injury
Motoi Nakano, MD, PhD

The Pathophysiology and Etiology of Integumentary Failure: A Review
Michael Bain, MD, MMS

MiR-142 is Required for *S.aureus* Clearance via Small GTPase-Mediated Regulation of
the Neutrophil Actin Cytoskeleton
Katsuya Tanaka, MD, PhD

Bi-Layer Mask Dressing for the Treatment of Facial Pediatric Burns
Ariel Miranda Altamirano, MD

The Ability of Two Closed Incision Negative Pressure Therapy (ciNPT) Systems to
Maintain Seal in a Simulated Clinical Condition
Deepak V. Kilpadi, PhD, MBA

51 is the New 21: Most Likely Burn Patients to Test Positive for Substances of Abuse are
51-60 year olds
Brittany Davis, MD

Evaluation of RECELL in Patients Aged 1-16 Years: Clinical Protocols for Two Pivotal,
Pediatric, Prospective Randomized Controlled Trials
Katie Bush, PhD

Scar Reducing Effect of Silicone Gel Sheet with Verapamil Microparticles
Eun Young Rha, MD, PhD

Use of Alloplastic Skin Substitute Following Toxic Epidermal Necrosis: a case report
Timothy Burton MD, Alisa Savetamal MD, Subhash Shah MD

Regeneration of full-thickness hair-bearing skin and dermal appendages using an
autologous homologous skin construct in a porcine model of large full-thickness wounds
Nikolai Sopko, MD, PhD

Full closure of complex cutaneous defects using an autologous homologous skin
construct in acute burns, burn reconstruction, acute trauma, and chronic wound cases
Gerhard Mundinger, MD

Clinical Effectiveness of a Biofilm Disrupting Surgical Lavage in Reducing Bacterial Plate Counts in Total Knee Arthroplasty Revision Surgery
Matthew Myntti, PhD

Evaluation of The Biofilm Disinfection Efficacy of a Novel Biofilm Disruption Technology
Matthew Myntti, PhD

Multi-Centre Clinical Evaluation of a Laminate Extracellular Matrix Surgical Mesh in Plastics and Reconstructive Surgery: A Case Series
Abigail Chaffin, MD

Manipulating Wound Geometry and Skin Tension to Accelerate Healing
Rodney M. Stuck, DPM

The Importance of Multidisciplinary Wound Infection Guidelines
Christopher Davey, MD, CSWP

Erythromelalgia Complicated by Frostbite: A Multidisciplinary Management Approach
Frank Lau, MD

Efficacy and Safety of Novel Silicone Scar Gel with Omega Fatty Acids, for the Treatment of Scars from Burns and Traumatic Wounds
Arthur Desrosiers, MD

The Use of Amniotic Membrane in the Outpatient Setting
Ariel Aballay, MD