



COMPLEX CARDIOVASCULAR  
CATHETER THERAPEUTICS

# LIMB SALVAGE AND ADVANCED WOUND CARE SUMMIT

**JUNE 23-25, 2019**



[WWW.C3CONFERENCE.NET](http://WWW.C3CONFERENCE.NET)

# WELCOME

Dear Colleagues,

Welcome to the 2019 Limb Salvage and Advanced Wound Care Summit during the C<sup>3</sup> Conference in Orlando, Florida.

The initial goal of the inaugural Limb Salvage Program at C<sup>3</sup> in 2018 was to provide a complementary tract to the established cardiovascular program, which would highlight the complexity and importance of limb salvage. This was done to underscore the multitude of factors involved with saving and keeping a limb. While “fixing the plumbing” may be the most critical step in amputation prevention, awareness of other factors such as: deformity correction, appropriate wound care, orthoplastic coverage techniques, and offloading ambulatory devices is crucial to avoid failure and loss of limb in spite of revascularization.

Reviewing the medical care in this patient group highlights the multitude of disciplines necessary to formulate and implement treatment to appropriately address all aspects of the typical diabetic patient with the prospect of losing a leg. A cohesive, like-minded team becomes essential. This paradigm has naturally evolved into the “multidisciplinary approach.” Likewise, a quality and effective educational program focused on the subject of limb salvage must reflect the same practical, clinical approach necessary for the successful treatment of these patients.

The Limb Salvage and Advanced Wound Care Summit represents the same team you would encounter in a hospital setting. Between the variety of presenters (interventional cardiologist, infectious disease specialist, podiatrist, orthopedist, vascular surgeon, interventional radiologist, wound care physician, wound care nurse, and physical therapist) and the comprehensive nature of topics, C<sup>3</sup> 2019 attempts to explore all of the salient features of preserving a functional limb.

While maintaining our focus on limb salvage, this year’s program also has some specific tracts for the podiatrist and for the wound care specialist. We are fortunate and thankful to have the academic support from the Association for the Advancement of Wound Care (AAWC) and the Academy of Physicians in Wound Healing (APWH).

Thank you for your participation in this year’s C<sup>3</sup> Limb Salvage and Advance Wound Care Summit. Enjoy the program!

**Jeff Shook, DPM**

Satilla Foot and Ankle Clinic  
Waycross, GA

*Scientific Co-Chair, Limb Salvage and  
Advanced Wound Care Summit*

**Allen M. Jacobs, DPM**

Private Practice  
St. Louis, MO

*Scientific Co-Chair, Limb Salvage and  
Advanced Wound Care Summit*

**Rajesh Dave, MD, FSCAI, FACC**

The Ortenzio Heart Center at  
Holy Spirit Hospital  
Camp Hill, PA

*Course Director, Limb Salvage and  
Advanced Wound Care Summit*



Accreditation Information .....	#
Awards .....	#
Limb Salvage & Advanced Wound Care Keynote Speakers 2019 .....	#
Faculty Listing .....	#
General Information .....	#
Registration and Name Badges .....	#
Conference Session Locations .....	#
Internet Access .....	#
App for Mobile Devices .....	#
Conference Map .....	#
Commercial Supporters & Sponsors .....	#
Exhibitors and Exhibit Hall Map .....	#
Schedule-At-A-Glance & Agenda .....	#
Sunday, June 23 .....	#
Monday, June 24 .....	#
Tuesday, June 25 .....	#



# Our Partners



Association for  
the Advancement  
of Wound Care

## Accreditation

This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Council on Podiatric Medical Education (CPME) through the joint providership between C<sup>3</sup> Wound Care / Interventional Academy and NYCPM. C<sup>3</sup> Wound Care / Interventional Academy has approved this program for 26 CE hours.



# Goals and Objectives

## The Geriatric Patient

After completing this module, the participant will be able to:

- Outline the steps in the basic assessment and management of fractures in the geriatric patient
- Present the basic approach to the geriatric patient with an HAV deformity
- List surgical treatment options for common forefoot deformities in the geriatric patient
- Enumerate nonsurgical and surgical management options for ankle arthritis and how these options are applied to the geriatric population
- Be aware of commonly prescribed medications to the geriatric patient and the potential effects on bone healing
- Discuss nonsurgical and surgical approaches with the geriatric patient and common hindfoot pathology
- Understand unique perioperative concerns in the geriatric patient
- Offer effective strategies for the treatment of chronic gout patient

## Adult Acquired Flatfoot Deformity (AAFD)

After completing this module, the participant will be able to:

- Describe the basic objective and subjective parameters to the clinical approach of adult acquired flatfoot deformity
- Identify accepted indications for the utilization of subtalar arthroereisis
- Discuss the options for surgical treatment of the tibialis posterior tendon within the confines of a particular clinical level of involvement
- Define parameters and discuss utility of common calcaneal osteotomies for adult acquired flatfoot deformity
- Become cognizant of effective conservative modalities employed for nonsurgical management of adult acquired flatfoot

- Compare and contrast the utilization of isolated versus multiple hindfoot fusion techniques
- Present an organized approach to ankle involvement in end stage adult acquired flatfoot deformities

## The Lapidus Procedure

After completing this module, the participant will be able to:

- Describe the basic elements of the Lapidus bunionectomy procedure
- List the indication and contraindication of the Lapidus procedure
- Discuss key elements of the HAV examination pertinent to consideration for the Lapidus procedure
- Understand the concept of frontal plane component of an HAV deformity
- Identify important steps for the successful completion of the Lapidus bunionectomy
- Compare and contrast different fixations options and constructs
- Present an organized approach to postoperative management
- Advance strategies for the correction of complications associated with the Lapidus procedure

## Florida Licensure Requirements & Regulations

**HIV/AIDS:** The physician will be thoroughly familiar and be able to recall:

- The epidemiology of AIDS and related infections including TB
- Modes of transmission
- Infection control procedures (including universal precautions),
- Clinical management
- Prevention
- Current therapies and associated MSK radiographic features

# Goals and Objectives

## Florida Licensure Requirements & Regulations (continued)

Typical State and/or Federal regulations regarding AIDS testing and the confidentiality of test results will also be reviewed.

**Medical Errors:** After attending the following lectures, which will be marked with an asterisk in the program, the attendee will be able to:

- Understand unique geriatric patient demographic and the modifications necessary in preoperative workup
- Recognize differences in treating the geriatric patient with an HAV deformity and how this will assist in limitation of medical errors
- Identify medications commonly prescribed to geriatric patient population which may alter bone healing
- Discuss the necessity of attempting conservative management in the patient with an adult acquired flatfoot deformity
- Recite potential forefoot procedures which may be necessary to avoid failure of reconstructive surgery in the adult acquired flatfoot patient
- List HAV parameters which dictate for and argue against the Lapidus procedure
- Become aware the subtleties of the Lapidus procedures in order to avoid common technical short comings when performing this procedure
- Appreciate early symptoms and signs consistent with a failed bunionectomy in order to prompt diagnosis modalities and implement an optimal treatment approach

The following medical errors lectures will be denoted by \* within the program:

- \*Perioperative considerations in the geriatric patients\*
- \*Geriatric HAV surgery\*
- \*Drugs which interfere with bone healing\*

- \*Conservative modalities for adult acquired flatfoot deformity\*
- \*Realignment and stabilization of the forefoot\*
- \*When and when not to do a Lapidus bunionectomy\*
- \*Surgical tips and pearls, not including fixation\*
- \*Dealing with complications after failed bunionectomy\*

**Risk Management:** After attending this lecture, the participant will be able to minimize and/or obviate his/her risk in real-life, everyday practice scenarios regarding diabetic patients and will be able to:

- Discuss basic imaging of the Charcot neuroarthropathy, compare and contrasting plain radiographic, CT, and MRI findings
- Review current recommendations in the management of Charcot foot
- Via a series of case examples, using IDSA criteria, identify the proper approach to the diabetic patient with an infected foot
- Review the rationale for ordering serum procalcitonin levels as an aid to diagnosing osteomyelitis
- Incorporate current IDSA criteria in the management of the diabetic patient with MSK infection
- Identify newer antibiotic agents, and through familiarity with their indications, apply them to a given patient care scenario
- Recount principles of the surgical management of osteomyelitis

**Florida Regulations:** The registrant will know about new state legislation, new rules, and existing legal requirements relating to the practice of podiatric medicine in the State of Florida including the specific continuing education courses required for license renewal.

## Infectious Disease

After completing this module, the participant will be able to:

- Present an organized approach to evaluation and management principles of diabetic foot infections
- Describe the basic objective and subjective tools and advanced techniques in the diagnosis of infection
- Discuss the prevalence and effect of resistant organisms on the treatment and outcomes of infections
- Offer effective strategies for the empiric treatment of infections
- List the different antibiotic regimens to treat MRSA infections
- Understand current trends and recommendations for the management of hard to treat organisms
- Advance strategies for the use of oral vs. intravenous antibiotics in diabetic foot bone infection
- Debate different diagnostic testing methods for osteomyelitis
- Be aware of the effects of penicillin allergies on the treatment of diabetic foot infections

## Limb Salvage

After completing this module, the participant will be able to:

- Elucidate the different modalities for the radiographic evaluation of osteomyelitis in the infected extremity
- List the surgical complications encountered in the limb salvage patient
- Discuss the philosophy of and necessity for performing elective surgery in the high-risk patient
- Enumerate the essential elements of surgical removal of osteomyelitis
- Be aware of the importance and evolution of the limb salvage concept

- Recognize the importance of timing in the treatment of fulminant infection in the limb salvage patient
- Outline the steps in the basic assessment of the high risk peripheral vascular disease patient
- Describe the indications for and utility of new diagnostic techniques for the assessment of vascular insufficiency and tissue perfusion
- Debate the pros and cons of amputation versus salvage
- Advance current principles for the preservation of the limb in peripheral arterial disease
- Recognize the importance of timing in the treatment of peripheral arterial disease and concomitant infection
- Advance current principles and new techniques of revascularization for the preservation of the limb in peripheral arterial disease
- Via a series of case presentations and abstracts involving limb salvage patients, discuss and defend management strategies for the treatment thereof

## Wound Care / Ulcer Care

After completing this module, the participant will be able to:

- Describe basic evaluation guidelines and treatment strategies for wounds/ulcers
- Be aware of evidence-based treatment recommendations for the edematous extremity
- Promote the argument for the use of advanced techniques for the evaluation of wound healing
- Discuss adjunctive treatment modalities for the augmentation of healing
- Understand factors which impede wound healing
- List etiologies for the recidivism of wounds and ulcers



# Goals and Objectives

## Wound Care / Ulcer Care (continued)

- Become more familiar with the economic realities of the wound care patient and practice
- Explain the essential nature of a multidisciplinary approach to the wound care and limb salvage patients
- Summarize the utility and application of HBOT in the wound care patient
- Describe the indications and utility of advance wound care products
- Enumerate simple and novel surgical approaches to address the persistence or recurrence of wounds/ulcers
- Outline the mechanism and treatment ramifications associated with pain in the wound care patient
- Gain awareness of neoplastic transformation which can ensue in the chronic wound care patient
- Formulate basic differential diagnoses associated with the edematous extremity
- Illuminate the scientific basis for compression therapy in venous ulcerations
- Discuss the history and evolution of evaluation and treatment of Charcot neuroarthropathy
- Develop a clinical, diagnostic process for the early detection of Charcot neuroarthropathy
- Prescribe off-loading treatment for the Charcot neuroarthropathy/wound care patient

## Orthoplastics and Amputations

After completing this module, the participant will be able to:

- Outline the basic principles of orthoplastics and the specific steps along the reconstructive ladder
- Chronicle the spectrum of soft tissue coverage options for lower extremity reconstructive orthopedic cases with soft tissue deficits
- Understand the specific indications for different types of soft tissue coverage options
- Discuss the necessity of external fixation in cases of simultaneous deformity correction/ osseous reconstruction and soft tissue deficit repair
- Describe tendon balancing concepts as it applies to the limb salvage patient
- Elucidate soft tissue coverage when performing foot amputations
- Compare and contrast different anatomic levels of amputation of the foot and ankle in limb salvage

## Residency Case Competition

After completing this module, the participant will be able to:

- Via a series of case presentations and abstracts involving diabetic foot infections, ulcers, chronic wounds, gangrenous extremities, Charcot deformities and other limb salvage patients discuss and defend management strategies for the treatment thereof



## C<sup>3</sup> APP

To view our most updated agenda and faculty, and to download some of our conference presentations, locate the C<sup>3</sup> 2019 app in the App Store or Google Play Store.



# Keynote Speakers



## **Brad Lamm, DPM**

Dr. Brad Lamm is a board-certified podiatric foot and ankle surgeon. He specializes in the treatment of foot, ankle, and lower leg conditions in both children and adults. Dr. Lamm is an expert in treating diabetic foot deformities, ankle disorders, sports or athletic injuries, arthritis, flatfoot, bunions, hammertoes, and various other foot and ankle ailments. He has extensive experience in joint distraction, a new technique which uses external fixation to preserve ankle and toe joints and prevents the need for fusion or replacement. Dr. Lamm performs minimally invasive surgery techniques to correct diabetic Charcot foot and to lengthen the metatarsals and toes for patients with Brachymetatarsia.



## **Edgar Peters, MD, PhD**

Dr. Edgar J.G. Peters started medical school at VU University Medical Center, Amsterdam, The Netherlands in 1993. He has worked in 1997 and 1998 as a researcher at the University of Texas Health Science Center in San Antonio, Texas, USA. He graduated medical school of VU University Medical Center in Amsterdam in 2000 cum laude. In 2002, he finished a PhD thesis on diabetic foot complications and started a traineeship internal medicine at Leiden University Medical Center in Leiden, The Netherlands. He registered as an internist in 2007. He is also dually registered in both Infectious Diseases and Acute Medicine. He currently works as Internist, Infectious Diseases Specialist and Acute Medicine Specialist at Amsterdam University Medical Centers, location VUmc, where he is the director of the Infectious Diseases Fellowship Program and the Head of the Outpatient Department of Internal Medicine. Edgar Peters has authored over 90 journal articles and books chapters. In his research, education, teaching and clinical care, he has a special interest in diabetic foot complications, especially in diabetic foot infections. He is a member of various global expert groups responsible for diabetic foot and wound infection guidelines and the Scientific Secretary of the International Symposium on the Diabetic Foot.

# Faculty Listing

**Steven Abramowitz, MD**

MedStar Georgetown University Hospital  
Washington, D.C.

**Robert Bartlett, MD**

St. Luke's Hospital  
Milwaukee, WI

**Karen Bauer MSN, CNP**

University of Toledo Medical Center  
Toledo, OH

**Kyle Bray, DPM**

St. Jenson Charity Medical Center  
Cleveland, OH

**Nelson Bernardo, MD**

MedStar Georgetown University Hospital  
Washington, D.C.

**Chris Bibbo, DO**

Rubin Institute for Advance Orthopedics  
Baltimore, MD

**Gregory Bohn, MD ABPM/UHM,  
FACHM, MAPWCA**

Central Michigan School of Medicine  
Tawas, MI

**Ruth Bryant, PhD, RN, CWOCN**

Northwest Hospital  
Spokane, WA

**Cody Chastain, MD**

Vanderbilt University Medical Center  
Nashville, TN

**Coleman Clougherty, DPM**

UH Parma Medical Center  
Parma, Ohio

**Grace C. Craig, DPM**

Fairview Hospital  
Cleveland, Ohio

**Norris Cunningham, JD**

Private Practice  
Indianapolis, Indiana

**Jacqueline Donovan, DPM**

Elite Foot and Ankle  
Grove City, OH

**Tammer Elmarsafi, DPM, MBBCh**

MedStar Georgetown University Hospital  
Washington, D.C.

**Jordan Ernst, DPM**

Paley Orthopedic and Spine Institute  
West Palm Beach, FL

**Randolph Fish, DPM**

Tacoma, Washington

**Christina Fiske, MD**

Vanderbilt University Medical center  
Franklin, TN

**Jeffery Galitz, MD, DPM, FACFAS, DABPS**

Hollywood, FL

**Allen M. Jacobs, DPM**

Private Practice  
St. Louis, MO

**Gurneet Khangura, DPM**

St Vincent Charity Medical Center  
Cleveland, OH

**Grant Kleiber, MD**

MedStar Georgetown University Hospital  
Washington, D.C.

**Steven Kravitz, DPM**

Winston Salem, NC

**Joe Lambiotte, PT**

Riverside Physical Therapy  
Proctorville, OH

**Brad Lamm, DPM**

Paley Orthopedic and Spine Institute  
West Palm Beach, FL

**Mingsun Liu, MD, PhD**

Los Angeles, CA

**Thomas Merrill, DPM**

Barry University Foot and Ankle Institute  
Miami, FL

**Munier Nazzal, MD**

University of Toledo Medical Center  
Toledo, OH

**Catherine O'Neal, MD**

Our Lady of the Lake Regional Medical Center  
Baton Rouge, LA

**Larry Osher, DPM**

Kent State University College of  
Podiatric Medicine  
Independence, OH

**Tim Paine, PT**

Litchfield Hills Orthopedic  
Torrington, CT

**Jennifer Pappalardo, DPM**

University of Arizona College of Medicine  
Tuscan, AZ

**Sandeep Patel, DPM**

Northern California Kaiser  
Oakland, CA

**Edgars Peters, MD, PhD**

VU University Medical Center  
Amsterdam, the Netherlands

**Russell Petranto, DPM**

Ocean County Foot & Ankle Surgical Associates  
Toms River, NJ

**Jason Piraino, MS, DPM**

UF Health at Jacksonville Orthopedics  
Jacksonville, FL

**Asim Raja, DPM**

Womack Army Medical Center  
Fort Bragg, NC

**Rameez Sayyed, MD**

Marshall University Medical Center  
Huntington, WV

**Robert Schergen, DPM**

Foot and Ankle Associates of  
Southwest Virginia  
Roanoke, VA

**Thomas Serena, MD**

The Serena Group  
Hingham, MA

**Naohiro Shibuya, DPM**

Texas A&M Health Science Center  
College of Medicine  
Bryan, TX

**Patrick Stone, MD**

Vanderbilt University Medical Center  
Nashville, TN

**Michael Smith, DPM**

Orlando Foot Ankle Clinic  
Orlando, FL

**Mojgan Tavikoli, DPM**

Foot and Ankle Centers of Frisco  
Frisco, TX

**Michael Trepal, DPM**

New York College of Podiatric Medicine.  
New York, NY

**H. John Visser, DPM**

SSM Health DePaul Hospital  
St. Louis, MO

**Jesse Wolfe, DPM**

SSM Health DePaul Hospital  
St Louis, MO

**Tyler Wishau, DPM**

SSM Healthcare  
Mt. Vernon, IL

# General Information

## Registration and Name Badges

SIGN IN AND OUT EACH DAY BEGINNING/  
AFTER LUNCH

Please wear your name badge to all sessions.  
Registration and conference space is located  
in the Bonnet Creek Foyer. Registration is open  
during the following times:

Saturday, June 22: 5:00 PM - 7:00 PM

Sunday, June 23: 6:30 AM - 6:00 PM

Monday, June 24: 6:15 AM - 5:30 PM

Tuesday, June 25: 6:15 AM - 5:30 PM

## Conference Session Locations

Wound Care and Advanced Limb Salvage  
Summit Program Location: Salon L

Exhibit Hall (Wound Care and Advanced  
Limb Salvage Summit): Salon J/K

## Internet Access

Wireless access is available to attendees in  
the conference areas. This internet code is not  
available away from the conference space.

Log-in Information:

ID: C32019

Password: 15years!

## C<sup>3</sup> App

To view our most updated agenda and faculty,  
and to download some of our conference  
presentations, locate the C<sup>3</sup> 2019 app in the *App  
Store* or *Google Play Store*.





# Bringing the Wound Care Center to the patient



## A NETWORK OF WOUND CARE AND TECHNOLOGY EXPERTS

Woundtech is disrupting the wound management industry by bypassing the clinic to focus on delivering personalized, precision care to patients where they live

Utilizing a telehealth based platform where clinicians collaborate with wound care nurses in a call center, Woundtech provides comprehensive wound care to health plan and medical group patients residing in private homes, Skilled Nursing/Assisted Living Facilities, utilizing the most advanced wound care products.

## WHY HAVE WE BEEN SO SUCCESSFUL?

### Sequential Assisted Logic EMR

Our Electronic Medical Record (EMR) system is programmed with evidence based clinical algorithms configured with Woundtech's proprietary Sequential Assisted Logic and Clinical Alerts.

### Comprehensive Solution

Our services replace the use of outpatient and hospital based Wound Care Centers.

### Proven Expertise

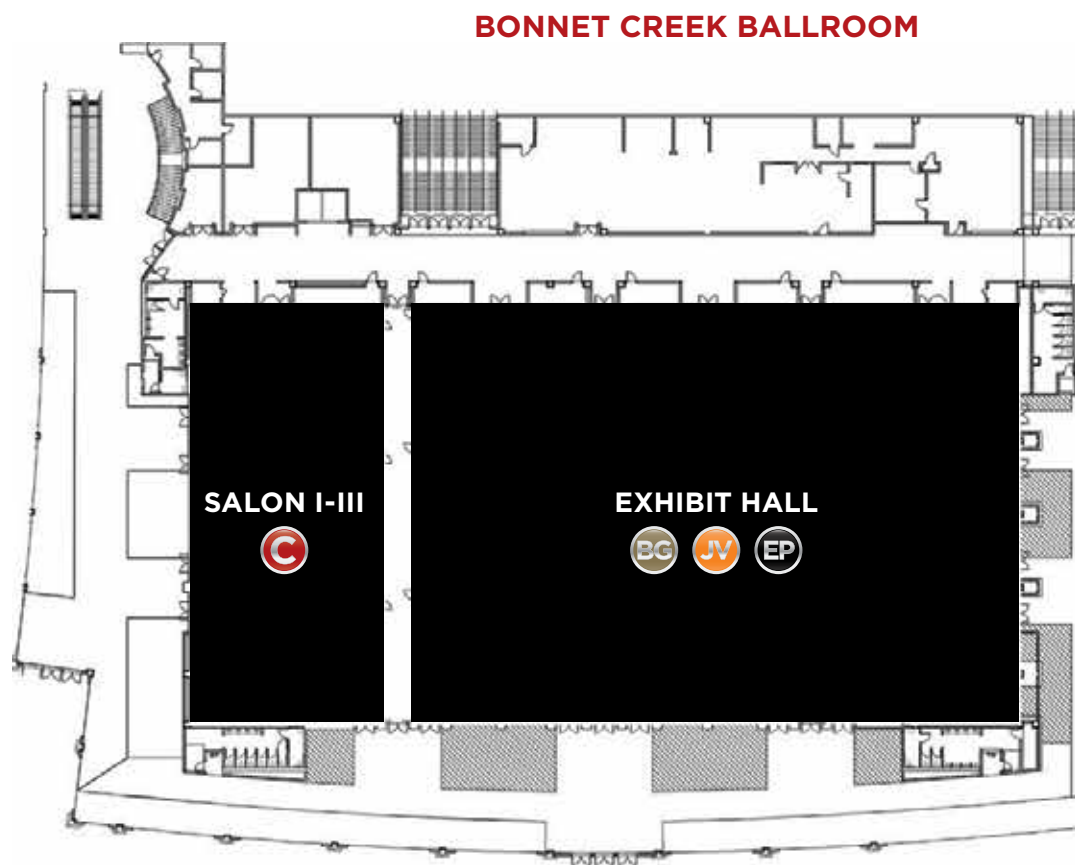
Woundtech has performed more than 750,000 wound assessments on over 21,000 patients.

# Conference Map



## C<sup>3</sup> APP

To view our most updated agenda and faculty, and to download some of our conference presentations, locate the C<sup>3</sup> 2019 app in the App Store or Google Play Store.



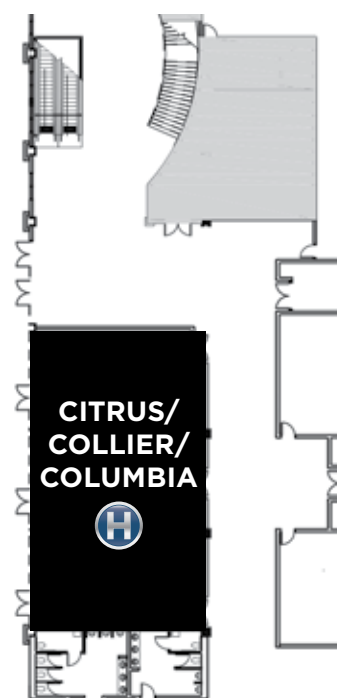
## PRECONFERENCE SESSION LOCATIONS - SUNDAY

<b>BG</b>	<b>JV</b> BK Goyal & Jiri Vitek Theaters	Exhibit Hall
<b>F</b>	Fellows & Young Practitioner Coronary Course	Salon BC
<b>G</b>	General Cardiology Update	Salon F
<b>W</b>	Limb Salvage & Wound Care Summit	Salon L
<b>V</b>	Venous Intervention Summit	Salon D
<b>N</b>	Nurse & Technologist Symposium	Salon E

## FLORIDIAN BALLROOM



## BONNET CREEK LOWER LEVEL



### CONFERENCE SESSION LOCATIONS - MONDAY-WEDNESDAY

<b>BG</b>	<b>JV</b> BK Goyal & Jiri Vitek Theaters	Exhibit Hall
<b>EP</b>	ePoster Presentations	Exhibit Hall
<b>C</b>	Coronary Track (Mon-Tues)	Salon I-III
<b>C</b>	Coronary Track (Wed)	Salon E
<b>E</b>	Endovascular Track (Mon-Tues)	Salon BC
<b>F</b>	Fellows & Young Practitioner Endovascular Course (Wed)	Salon BC
<b>GR</b>	Gary Roubin Theater	Salon G
<b>G</b>	General Cardiology Update (Mon)	Salon F
<b>G</b>	General Cardiology Update (Tues)	Salon D
<b>W</b>	Limb Salvage & Advanced Wound Care Summit Exhibit Hall	Salon JK
<b>W</b>	Limb Salvage & Advanced Wound Care Summit	Salon L
<b>S</b>	Structural Heart Track	Salon E
<b>V</b>	Venous Intervention Summit	Salon D
<b>H</b>	Hands-on Workshops & Meet the Experts	Citrus/Collier/Columbia

# Supporters/Sponsors

Thank you to the following companies for supporting through sponsorships:



**Wound Care – Parts 1 and 2 Sponsor (2.0 CECH hours each)**



**Wound Care – Part 3 Sponsor (2.0 CECH hours)**

---

Thank you to the following companies for  
sponsoring **NON-CME symposia and workshops:**

**External Fixation Workshop sponsor (NON-CME)**

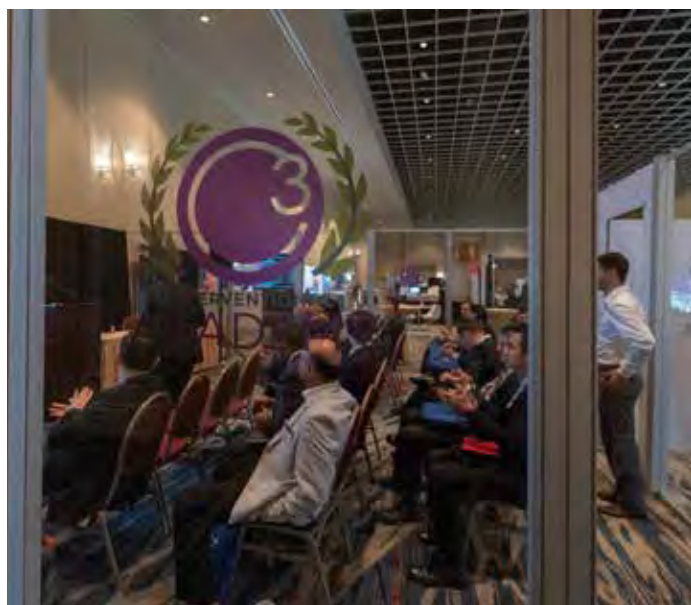
SEAL

**Lunch Symposium sponsors (NON-CME)**

Bard	Kent Imaging
American Radiology	Hypermed
Stryker	Woundtech

---

PLEASE VISIT THE C<sup>3</sup> WEBSITE TO VIEW A FINAL LISTING  
OF SUPPORTS AND SPONSORS: [WWW.C3CONFERENCE.NET](http://WWW.C3CONFERENCE.NET)





# Exhibitors

## Exhibit Hall

Attendees are invited to view promotional exhibits from these companies and organizations. The exhibit hall is open from **9:30 AM - 4:00 PM** on **Sunday, June 23, Monday, June 24, and Tuesday, June 25.**

### Horizon Pharma – Booth No. 104

Horizon Pharma plc is a biopharmaceutical company focused on improving patients' lives by identifying, developing, acquiring and commercializing differentiated and accessible medicines that address unmet medical needs.

### MTF Biologics – Booth No. 103

MTF Biologics Wound Care is a division of MTF Biologics, the nation's leading non-profit tissue bank. The Wound Care Division is dedicated to developing highly advanced, safe, clinically based and cost-effective wound care solutions that work in concert with the body's natural healing process.

### AAWC – Booth No. 208

"The Association for the Advancement of Wound Care (AAWC) is the largest, non-profit, interdisciplinary wound care organization in the US focused on education, public policy and the application of evidence-based wound care practice."

### Prism Medical Products – Booth No. 106

Prism is a seamless home delivery service provider of wound care, ostomy and urological supplies for patients and health care professionals. We are committed at Prism to offer the best service with: industry leading delivery time, flexible shipment sizes, a dynamic team of specialists and an adaptable ordering method.

### SEAL – Booth No. 102

Company description not available at the time of printing.

### Crossroads Extremity Systems – Booth No. 101

Located in Memphis, Tennessee, we engineer next-generation foot and ankle implant systems. Utilizing clinically advanced technology and

materials, like high-compression nitinol, our surgical products are optimal for surgery, and our specialized instrument recovery program, EcoSMART, provides cost savings and reduces waste.

### WoltersKluwer – Booth No. 205

Lippincott Williams & Wilkins, a Wolters Kluwer Health company is a leading international publisher of medical books, journals, and electronic media. Visit our booth to browse our comprehensive product line and multi-media. Our website is [LWW.com](http://LWW.com).

### Zero Skin Gravity – Booth No. 107

Zero Skin Gravity is a leading company and one of the biggest whole-sellers for LED medical devices. We provide a unique FDA approved medical device called PERFECTIO. PERFECTIO and other devices are based on NASA science and used for facial and body therapy treatments for different skin problems and illnesses. Research using LED light, mostly in the red and near infrared ranges, shows healing effects for severe burns, wounds, hard-to-heal diabetic skin ulcers, and eye injuries.

### Integra Life Sciences – Booth No. 203

"Integra LifeSciences, a world leader in medical technology, is dedicated to limiting uncertainty for surgeons, so they can concentrate on providing the best patient care. Integra offers innovative solutions in orthopedic extremity surgery, neurosurgery, and reconstructive and general surgery."

# Exhibitors

## **WEAVE - Booth No. 105**

Weave is a game changer for high-touch, service-based businesses. Our unique platform combines customer communication with in-depth customer profiles and data into one smart, care-centric interaction on any device. In addition to robust, deep software, Weave is dedicated to creating exceptionally helpful, caring, delightful experiences for our customers.

## **Woundtech - Booth No. 201**

Woundtech is a leading provider of evidence-based, end-to-end technology enhanced wound management solutions to insurance plans and medical groups across the United States covering over 25 million lives.

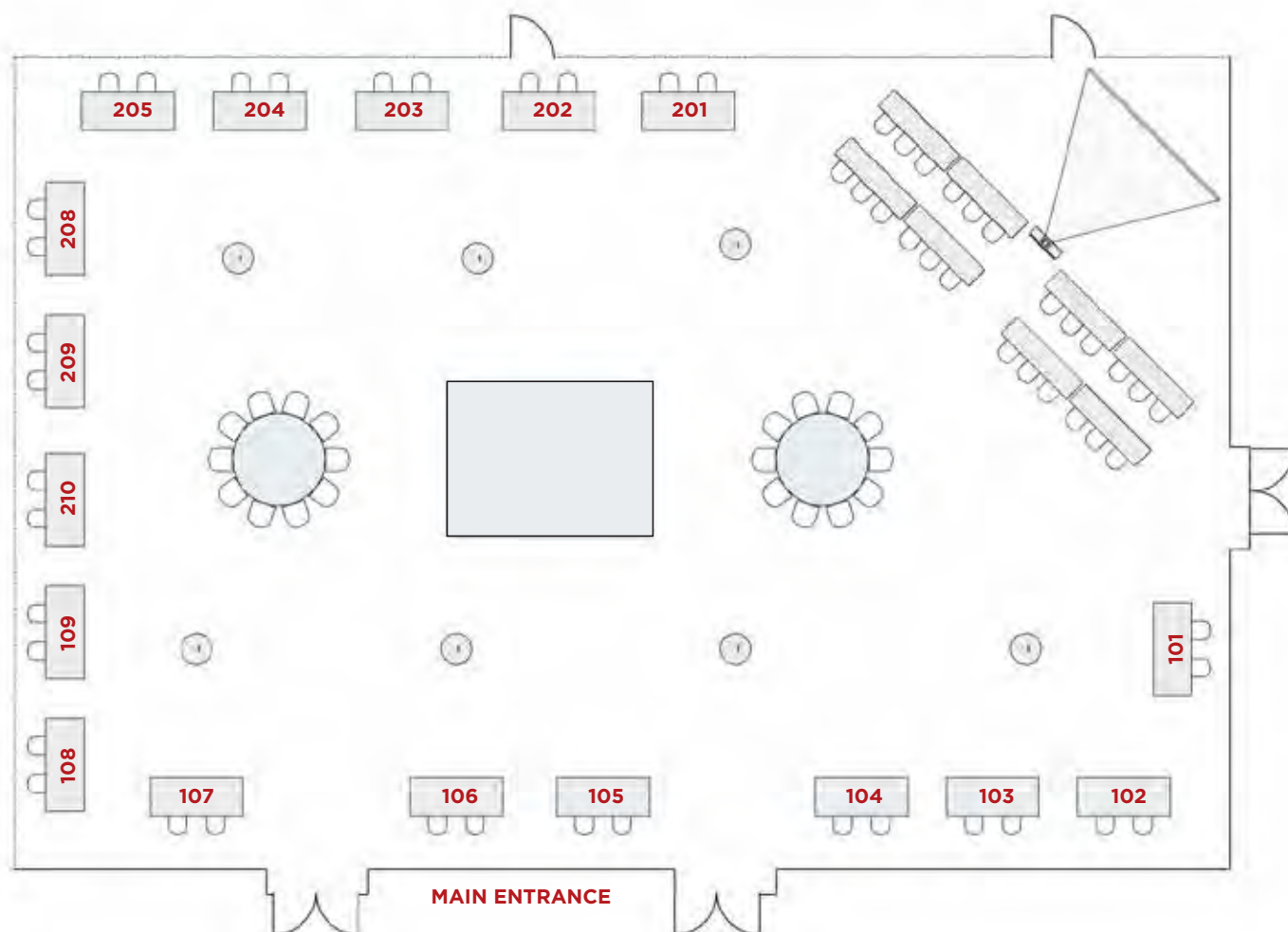
## **APWH - Booth No. 202**

APWH, the Academy of Physicians in Wound Healing, is the very first physician-oriented

organization in wound care that has been created to meet the needs of the physician in three subject areas: clinical and operations-focused education, compensation advocacy, and legislative action on healthcare issues.

## **NormaTec - Booth No. 204**

NormaTec is an innovative medical device company leading advancements in the field of pneumatic medicine. The NormaTec Via and Via Elite are state-of-the-art compression therapy systems, used to treat lymphedema, venous insufficiency, non-healing wounds, and other circulation related issues. NormaTec's dynamic pneumatic compression devices dramatically improve circulation with a patented compression technology, and an easy to use system that is compact, lightweight and portable.



# Schedule/Agenda

Sunday, June 23, 2019

## Schedule-At-A-Glance

7:00 AM..... Sign-In and Welcome  
7:30 AM - 9:30 AM ..... The Geriatric Patient (2.0 CECH hours)  
9:30 AM - 10:00 AM ..... Break  
10:00 AM - 12:00 PM ..... Adult Acquired Flatfoot Deformity (AAFD) (2.0 CECH hours)  
12:00 PM - 2:00 PM ..... Lunch  
12:15 PM - 1:45 PM ..... Lunch Symposium: External Fixation Workshop sponsored by  
SEAL (NON-CME)  
2:00 PM - 4:00 PM ..... The Lapidus Procedure (2.0 CECH hours)  
4:00 PM - 4:30 PM ..... Break  
4:30 PM - 7:30 PM ..... Florida Licensure Requirements (3.0 CECH hours)

## Agenda

SIGN-IN AND WELCOME: 7:00 AM

### The Geriatric Patient (2.0 CECH hours)

Moderator: Allen Jacobs, DPM

START TIME: 7:30 AM

- 7:30 AM - 7:45 AM: Perioperative Considerations in the Geriatric Patient ..... Allen Jacobs, DPM
- 7:45 AM - 8:00 AM: Fracture Management in the Geriatric Patient ..... Robert Schergen, DPM
- 8:00 AM - 8:15 AM: Geriatric HAV Surgery ..... Michael Trepal, DPM
- 8:15 AM - 8:30 AM: Forefoot Surgery in the Geriatric Patient ..... Jesse Wolfe, DPM
- 8:30 AM - 8:45 AM: Management of Ankle Arthritis in the Geriatric Patient ..... Robert Schergen, DPM
- 8:45 AM - 9:00 AM: Drugs Which Interfere with Bone Healing ..... Allen Jacobs, DPM
- 9:00 AM - 9:15 AM: Management of Hindfoot Deformities in the Geriatric Patient ..... Jesse Wolfe, DPM
- 9:15 AM - 9:30 AM: New Management Strategies for the Chronic Gout Patient ..... Jeff Shook, DPM

BREAK: 9:30 AM - 10:00 AM

### Adult Acquired Flatfoot Deformity (AAFD) (2.0 CECH hours)

Moderator: Tyler Wishau, DPM

START TIME: 10:00 AM

- 10:00 AM - 10:15 AM: Classification and Treatment Algorithm ..... Tyler Wishau, DPM
- 10:15 AM - 10:30 AM: Conservation Modalities for Adult Acquired Flatfoot Deformity ..... Joe Lambiotte, PT
- 10:30 AM - 10:45 AM: Addressing the Posterior Tibial Tendon ..... Bud Visser, DPM
- 10:45 AM - 11:00 AM: Calcaneal Osteotomies for AAFD ..... Brad Lamm, DPM
- 11:00 AM - 11:15 AM: When to Do Isolated Rearfoot Arthrodesis ..... Jeff Shook, DPM
- 11:15 AM - 11:30 AM: Double or Triple Arthrodesis in Stage III Deformities ..... Bud Visser, DPM
- 11:30 AM - 11:45 AM: Realignment and Stabilization of the Forefoot ..... Allen Jacobs, DPM
- 11:45 AM - 12:00 PM: Addressing the Ankle in Stage IV Deformities ..... Jordan Ernst, DPM

LUNCH: 12:00 PM - 2:00 PM

# Schedule/Agenda

**12:15 PM - 1:45 PM**

## **Lunch Symposium: External Fixation Workshop**

Sponsored by SEAL (NON-CME)

Coleman Clougherty, DPM and Jeff Shook, DPM

### **The Lapidus Procedure (2.0 CECH hours)**

Moderator: Naohiro Shibuya, DPM, MS

**START TIME: 2:00 PM**

- 2:00 PM - 2:15 PM: What is a Lapidus Bunionectomy/Procedure? ..... Asim Raja, DPM
- 2:15 PM - 2:30 PM: When and When Not to Do a Lapidus Bunionectomy ..... Naohiro Shibuya, DPM, MS
- 2:30 PM - 2:45 PM: Lapidus Specific Clinical and Radiologic Examinations ..... Sandeep Patel, DPM
- 2:45 PM - 3:00 PM: Who Needs Frontal Plane Correction and How to Achieve It? ..... Jason Piraino, MS, DPM
- 3:00 PM - 3:15 PM: Surgical Tips and Pearls, Not Including Fixation ..... Asim Raja, DPM
- 3:15 PM - 3:30 PM: Fixation Options ..... Naohiro Shibuya, DPM, MS
- 3:30 PM - 3:45 PM: Evidence Based Postoperative Protocols ..... Sandeep Patel, DPM
- 3:45 PM - 4:00 PM: Dealing with Complications After Failed Lapidus Bunionectomy ..... Jason Piraino, MS, DPM

**BREAK: 4:00 PM - 4:30 PM**

### **Florida Licensure Requirements (3.0 CECH hours)**

**START TIME: 4:30 PM**

- 4:30 PM - 5:30 PM: Infectious Disease (Hepatitis/HIV/AIDS) ..... Cody Chastain, MD
- 5:30 PM - 6:30 PM: Risk Management (The Diabetic Foot) ..... Allen Jacobs, DPM
- 6:30 PM - 7:30 PM: Florida Regulation Update ..... Norris Cunningham, JD





Monday, June 24, 2019

## Schedule-At-A-Glance

7:00 AM - 9:00 AM..... Infectious Disease (2.5 CECH hours)  
9:00 AM - 9:30 AM..... Keynote Address: Edgar Peters, MD, PhD  
9:30 AM - 10:00 AM ..... Break  
10:00 AM - 11:30 AM..... Limb Salvage (2.0 CECH hours)  
11:30 AM - 12:00 PM..... Keynote Address: Brad Lamm, DPM  
12:00 PM - 2:00 PM ..... Lunch  
12:15 PM - 1:45 PM ..... Lunch Symposium Sponsored by Bard, American Radiology, Stryker, Kent Imaging, and Hypermed (NON-CME)  
2:00 PM - 4:00 PM ..... Wound Care – Part 1 Sponsored by Association for the Advancement of Wound Care (AAWC) (2.0 CECH hours)  
4:00 PM - 4:30 PM..... Break  
4:30 PM - 7:30 PM ..... Wound Care – Part 2 Sponsored by Association for the Advancement of Wound Care (AAWC) (2.0 CECH hours)

## Agenda

### Infectious Disease (2.5 CECH hours)

Moderator: Cody Chastain, MD

START TIME: 7:00 AM

- 7:00 AM - 7:15 AM: Medical Assessment of DFI: Antibiotics Are Not the Only Answer.....Edgar Peters, MD, PhD
- 7:15 AM - 7:30 AM: Empiric Antibiotic Therapy for DFI: Reason and Rationale.....Edgar Peters, MD, PhD
- 7:30 AM - 7:45 AM: MRSA and Diabetic Foot Infections:  
A Common and Repeat Offender ..... Catherine O'Neal, MD
- 7:45 AM - 8:00 AM: VRE and Other Non-MRSA MDR Organisms:  
Emerging Challenges in DFI ..... Catherine O'Neal, MD
- 8:00 AM - 8:15 AM: Diagnosing Osteomyelitis in DFI: A Common Conundrum ..... Cody Chastain, MD
- 8:15 AM - 8:30 AM: Standard of Care vs Evidence: PO vs IV Antibiotics for DFI ..... Cody Chastain, MD
- 8:30 AM - 8:45 AM: Atypical Pathogens in DFI: Case-Based Studies..... Christina Fiske, MD
- 8:45 AM - 9:00 AM: Penicillin Allergy: What Does It Mean for DFI?..... Christina Fiske, MD

**9:00 AM - 9:30 AM      Keynote Address: The Ghosts of Diabetic Foot Infections:  
Past, Present, and Yet to Come?**

Edgar Peters, MD, PhD

BREAK: 9:30 AM - 10:00 AM

### Limb Salvage (2.0 CECH hours)

Moderator: Michael Trepal, DPM

START TIME: 10:00 AM

- 10:00 AM - 10:15 AM: The Urgent Nature of Incision and Debridement..... Mojgan Tavakoli, DPM
- 10:15 AM - 10:30 AM: Radiographic Evaluation of Osteomyelitis via MRI..... Larry Osher, DPM
- 10:30 AM - 10:45 AM: Elective Procedures on High Risk Patients.....Thomas Merrill, DPM
- 10:45 AM - 11:00 AM: Radiographic Evaluation of Osteomyelitis via Nuclear Medicine ..... Larry Osher, DPM
- 11:00 AM - 11:15 AM: Surgical Approach to Osteomyelitis..... Jacqueline Donovan, DPM
- 11:15 AM - 11:30 AM: Management of Surgical Complications .....Thomas Merrill, DPM

# Schedule/Agenda

**11:30 AM - 12:00 PM**      **Keynote Address: Limb Salvage Perspective**  
Brad Lamm, DPM

**LUNCH: 12:00 PM - 2:00 PM**

**12:15 PM - 1:45 PM**      **Lunch Symposium: Evaluation of Vascular Perfusion**  
Sponsored by Bard, American Radiology, Stryker, Kent Imaging,  
and Hypermed (NON-CME)  
Munier Nazzal, MD

**Wound Care – Part 1 Sponsored by Association for the Advancement of Wound Care (AAWC) (2.0 CECH hours)**  
Moderator: Thomas Serena, MD  
**START TIME: 2:00 PM**

- **2:00 PM - 2:15 PM: The Great Betadine Debate** ..... Gregory Bohn, MD ABPM/UHM, FACHM, MAPWCA
- **2:15PM - 2:30 PM: Dealing with Edema** ..... Tim Paine, PT
- **2:30 PM - 2:45 PM: Don't Get Pulled Over by the Betadine Police** ..... Kyle Bray, DPM
- **2:45 PM - 3:00 PM: "58% Healed in Six Weeks," What Does the Literature Really Say?** ..... Jacqueline Donovan, DPM
- **3:00 PM - 3:15 PM: AAWC: Certification in Wound Care**.. Gregory Bohn, MD ABPM/UHM, FACHM, MAPWCA
- **3:15 PM - 3:30 PM: When are Advanced Products Indicated?** ..... Tim Paine, PT
- **3:30 PM - 3:45 PM: Cellular or Tissue-Based Products**..... Thomas Serena, MD
- **3:45 PM - 4:00 PM: AAWC: Upstaging the Staging System**..... Ruth Bryant, PhD, RN, CWOCN

**BREAK: 4:00 PM - 4:30 PM**

**Wound Care – Part 2 Sponsored by Association for the Advancement of Wound Care (AAWC) (2.0 CECH hours)**  
Moderator: Greg Bohn, MD  
**START TIME: 4:30 PM**

- **4:30 PM - 4:45 PM: Infection in DFUs: The Ring of Fire**..... Thomas Serena, MD
- **4:45 PM - 5:00 PM: Resolving Complex Wounds** ..... Michael Smith, DPM
- **5:00 PM - 5:15 PM: The Problem of Pain** ..... Ruth Bryant, APN/WOCN
- **5:15 PM - 5:30 PM: AAWC: Pressure Ulcer Summit**..... Tim Paine, PT
- **5:30 PM - 5:45 PM: Off-Loading the Diabetic Foot Ulcer** Gregory Bohn, MD ABPM/UHM, FACHM, MAPWCA
- **5:45 PM - 6:00 PM: AAWC: Research Opportunities in Wound Care**..... Thomas Serena, MD
- **6:00 PM - 6:15 PM: Why Won't This Wound Heal?** ..... Karen Bauer, NPC,CWS
- **6:15 PM - 6:30 PM: Moisture Related Dermatitis** ..... Ruth Bryant, PhD, RN, CWOCN

Tuesday, June 25, 2019

### Schedule-At-A-Glance

7:00 AM - 9:30 AM ..... Limb Salvage (2.5 CECH hours)  
9:30 AM - 10:00 AM ..... Break  
10:00 AM - 12:00 PM ..... Wound Care – Part 3 Sponsored by Academy of Physicians in Wound Healing (APWH) (2.0 CECH hours)  
12:00 PM - 2:00 PM ..... Lunch  
12:30 PM - 1:30 PM ..... Lunch Symposium: The Coming Wound Care Tidal Wave Sponsored by Woundtech (NON-CME)  
2:00 PM - 4:00 PM ..... Orthoplastics and Amputations (2.0 CECH hours)  
4:00 PM - 4:30 PM ..... Break  
4:30 PM - 6:30 PM ..... Limb Salvage: Fellowship and Residency Case Presentation Competition (2.0 CECH hours)

### Agenda

#### Limb Salvage (2.5 CECH hours)

Moderator: Tammer Elmarsafi, DPM

START TIME: 7:00 AM

- 7:00 AM - 7:15 AM: Overview of Infragenicular Disease ..... Rameez Sayyed, MD
- 7:15 AM - 7:30 AM: Evaluation of CLI in Limb Salvage Patient ..... Arthur Lee, MD, FACC, FSCAI
- 7:30 AM - 7:45 AM: Non-Invasive Predictors of Amputation Success ..... Patrick Stone, MD
- 7:45 AM - 8:00 AM: Salvage vs Functional Amputation ..... Tammer Elmarsafi, DPM
- 8:00 AM - 8:15 AM: You Make the Call: Case Presentation ..... Jeff Shook, DPM
- 8:15 AM - 8:30 AM: Targeted Muscle Reinnervation: No More Phantom Pain? ..... Grant Kleiber, MD
- 8:30 AM - 8:45 AM: Implementing the Angiosome Approach ..... Steven Abramowitz, MD
- 8:45 AM - 9:00 AM: Case Correlation ..... Steven Abramowitz, MD
- 9:00 AM - 9:15 AM: When is Pedal Arch Reconstruction Advised? ..... Nelson Bernardo, MD
- 9:15 AM - 9:30 AM: Case Correlation ..... Nelson Bernardo, MD

BREAK: 9:30 AM - 10:00 AM



# Schedule/Agenda

## Wound Care – Part 3 Sponsored by Academy of Physicians in Wound Healing (APWH) (2.0 CECH hours)

Moderator: Steven Kravitz, DPM, FAPWHc

**START TIME: 10:00 AM**

- 10:00 AM - 10:15 AM: A Technology Driven Model of Innovative Wound Care ..... Jeffrey Galitz, MD, DPM, FACFAS, DABPS
- 10:00 AM - 10:15 AM: Epidemiology and the Cost of Wound Care for the U.S. Healthcare System ..... Steven Kravitz, DPM, FAPWHc
- 10:00 AM - 10:15 AM: The Fundamentals and Basic Stages of Wound Healing ..... Randolph Fish, MD
- 10:00 AM - 10:15 AM: Top Ten Tenets for Practical Nutrition ..... Robert Bartlett, MD
- 10:00 AM - 10:15 AM: Proper Application of Compression Therapy for Venous Disease, Pre-Application, and Post Ablation Surgery..... Steven Kravitz, DPM, FAPWHc
- 10:00 AM - 10:15 AM: HBO: Proper Guidelines for Diabetic Foot ..... Robert Bartlett, MD
- 10:00 AM - 10:15 AM: Are Oral Antibiotics Replacing the Need for IV Antibiotics?..... Mingsun Liu, MD, PhD
- 10:00 AM - 10:15 AM: Differential Diagnosis of Cancer-Causing Non-Healing Wounds..... Allen Jacobs, DPM

**LUNCH: 12:00-2:00 PM**

**12:30 PM - 2:00 PM      Lunch Symposium: The Coming Wound Care Tidal Wave**  
**Sponsored by Woundtech (NON-CME)**  
Jeffrey Galitz, MD, DPM, FACFAS, DABPS

## Orthoplastics and Amputations (2.0 CECH hours)

Moderator: Coleman Clougherty, DPM

**START TIME: 2:00 PM**

- 2:00 PM - 2:15 PM: The Business Mode of Integrating Podiatry and the Endovascular Specialist..... Russel Petranto, DPM
- 2:15 PM - 2:30 PM: Flaps and External Fixation for Orthoplastic Reconstruction .. Coleman Clougherty, DPM
- 2:30 PM - 2:45 PM: Distally-Based Abductor Hallucis Flap for the 1st MPJ Wounds ..... Grace Craig, DPM
- 2:45 PM - 3:00 PM: Is the TMA the Most Functional Amputation?..... Chris Bibbo, DPM
- 3:00 PM - 3:15 PM: Skin Grafting in the Complicated Diabetic Foot..... Jennifer Pappalardo, DPM
- 3:15 PM - 3:30 PM: Tendon Balancing Considerations with Foot Amputations ..... Chris Bibbo, DPM
- 3:30 PM - 3:45 PM: Midfoot Amputation vs. Lesser Tarsectomy ..... Gurneet Khangura, DPM
- 3:45 PM - 4:00 PM: Utility of Soleus Flap for Orthoplastic Salvage ..... Coleman Clougherty, DPM

**BREAK: 4:00 PM - 4:30 PM**

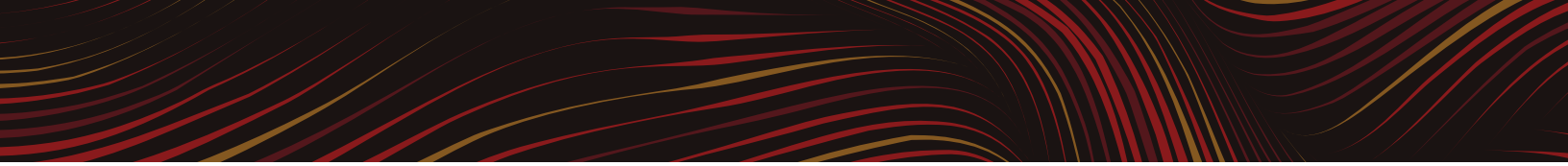
## Limb Salvage: Fellowship and Residency Case Presentation Competition (2.0 CECH hours)

Moderator: Allan Grossman, DPM

**START TIME: 4:30 PM**

- 4:30 PM - 6:30 PM: Twelve Challenging Cases will be Presented











COMPLEX CARDIOVASCULAR  
CATHETER THERAPEUTICS

SAVE THE DATE:  
C<sup>3</sup> 2020  
**JUNE 28-JULY 1**  
**2020**  
ORLANDO, FL

[WWW.C3CONFERENCE.NET](http://WWW.C3CONFERENCE.NET)