

# 2<sup>nd</sup> Annual USC Multi-Disciplinary Approach to Lymphedema and Related Disorders Symposium



Keck School  
of Medicine  
of **USC**

CONCURRENT PROGRAM:  
**Advancements in Wound Care  
and Limb Salvage**



Saturday, June 8, 2019  
Loews Santa Monica Beach Hotel  
1700 Ocean Avenue  
Santa Monica, CA 90401

# A Multi-Disciplinary Approach to Lymphedema and Related Disorders

6:45 am Registration

7:30 am Introduction

## Oncology and Research

**Moderators: Ming-Huei Cheng, MD and Ketan M. Patel, MD**

7:35 am New and Emerging Basic Science of Lymphology  
*Marlys H. Witte, MD*

7:55 am From Bench to Bedside: Future of Translational Lymphedema Research  
*Alex K. Wong, MD*

8:25 am An Update on Oncology Concepts for Regional Lymph Node Surgery  
*Stephen F. Sener, MD*

8:45 am Prehabilitation: Preparing Patients for the Risks  
*Michelle Lee Hsia, OTD, OTR/L, CLT*

9:00 am Q&A

## Imaging and Diagnostic

**Moderators: David W. Chang, MD and Marlys H. Witte, MD**

9:10 am Imaging Lymph Node and Lymphatic Structures  
*Cameron Hassani, MD*

9:30 am Lymphoscintigraphy and Interpretation  
*Patrick M. Colletti, MD*

9:50 am Interventional Imaging and Lymphatic Techniques  
*Ramon Ter-Oganesyan, MD*

10:10 am Q&A

10:20 am Break

## Therapy and Manual Drainage

**Moderators: Emily Iker, MD and Michelle Lee Hsia, OTD, OTR/L, CLT**

10:35 am Partnering with Patients: Forming a Successful Team for Long-Term Lymphedema  
*Karen R. Crum, OTD, OTR/L, CLT*

10:55 am Emerging and Alternative Therapy Approaches  
*Kimiko A. Yamada, PT, DPT, OCS, CLT*

11:15 am Managing Late Stage Lymphedema  
*Linda Liang, OTD, OTR/L, CLT*

11:35 am Integrating Lifestyle and Behavioral Changes  
*Yasi Amanat, OTD, OTR/L, CLT*

11:50 am Q&A

12:00 pm Lunch

## Lipedema

**Moderators: Kimiko A. Yamada, PT, DPT, OCS, CLT and Michelle Lee Hsia, OTD, OTR/L, CLT**

1:00 pm Clinical Diagnosis and Patient Evaluation  
*Emily Iker, MD*

1:20 pm Our Current Understanding and Future Research  
*Karen L. Herbst, MD, PhD*

1:40 pm Patient Management Strategies and Surgical Decision-Making  
*Donald W. Buck II, MD*

2:00 pm Lipedema Surgery: Techniques and Outcomes  
*Jaime S. Schwartz, MD*

2:20 pm Q&A

## Surgery

**Moderators: Stephen F. Sener, MD and Maurice Nahabedian, MD**

2:30 pm Who's (Not) a Candidate for Lymphedema Surgery  
*Ketan M. Patel, MD*

2:50 pm Venous Related Edema: Diagnosis and Treatment  
*William M. Lee, MD*

3:10 pm LymphoVenous Bypass: Techniques and Outcomes  
*David W. Chang, MD*

3:30 pm Q&A

3:40 pm Break

## Surgery Part II

**Moderators: Stephen F. Sener, MD and Maurice Nahabedian, MD**

3:55 pm Vascularized Lymph Node Transfer: Techniques and Outcomes  
*Ming-Huei Cheng, MD*

4:15 pm Combined Surgical Treatments for Lymphedema  
*Edward I. Chang, MD*

4:35 pm Perioperative Management of the Lymphedema Surgery Patient  
*Kim Marshall, DPT, CLT*

4:55 pm Q&A / Closing Remarks

5:00 pm Adjourn

# Advancements in Wound Care and Limb Salvage

6:45 am Registration

7:30 am Introduction

## Diabetic Foot Wounds

**Moderator: John S. Gambol, MD and Lawrence A. Lavery, DPM, MPH**

7:35 am Time is Tissue: Efficient Work-Up of the Patient with a DFU

*Laura Shin, DPM, PhD*

7:55 am Wound Management Strategies for the Patient with a DFU

*Terry G. Richardson II, PT, DPT*

8:25 am Biomechanical Considerations and Surgical Correction

*Laura Shin, DPM, PhD*

8:45 am Offloading 101

*Patrick A. Levine, DPM*

9:00 am Q&A

## Venous Wounds

**Moderator: Leonardo C. Clavijo, MD, PhD**

9:10 am Diagnostics for Venous Disease

*Sung Wan Ham, MD*

9:30 am Edema and Wound Management Strategies

*Edwin Monroy, PT, DPT, CLT*

9:50 am Venous Surgery: Indications and Outcomes

*William M. Lee, MD*

10:10 am Q&A

10:20 am Break

## Surgical Management of the LE Wound

**Moderators: Joseph N. Carey, MD and Ketan M. Patel, MD**

10:35 am Angiosomes and the Revascularization Philosophy

*Kenneth R. Ziegler, MD*

10:55 am Medical Treatment of Arterial Disease

*Leonardo C. Clavijo, MD, PhD*

11:15 am When to Consider Flaps for Coverage?

*Ketan M. Patel, MD*

11:35 am Osteomyelitis: Antibiotics and/or Surgery

*Lawrence A. Lavery, DPM, MPH*

11:50 am Q&A

12:00 pm Lunch

## Pressure Injuries

**Moderators: Alex K. Wong, MD and Joseph N. Carey, MD**

1:00 pm Surgical Closure: Indications and Treatment Options

*Salah Rubayi*

1:20 pm Mobility Considerations for Patients s/p Surgery

*Stephanie Woelfel, PT, DPT, CWS, FACCWS*

1:40 pm Differential Diagnosis of Pressure Injuries

*Angela Kwan, PT, DPT, CWS*

2:00 pm Socioeconomic Implications and Future of Pressure Injury Management

*Lee Squitieri, MD, PhD*

2:20 pm Q&A

## Technologic Advances

**Moderators: David G. Armstrong, DPM, MD, PhD and Lawrence A. Lavery, DPM, MPH**

2:30 pm Biologic Dressings and Cellular Tissue Products

*John S. Gambol, MD*

2:50 pm Wearable Technologies

*Davide Vigano*

3:10 pm Advances in Regenerative Tech

*Ryan Mathis, MD*

3:30 pm Q&A

3:40 pm Break

## Challenging Cases

**Moderators: Laura Shin, DPM, PhD and Sung Wan Ham, MD**

3:55 pm Orthopedic Perspective

*Eric W. Tan, MD*

4:15 pm Plastic Surgery Perspective

*Joseph N. Carey, MD*

4:35 pm Wound Management Perspective

*Stephanie Woelfel, PT, DPT, CWS, FACCWS*

4:55 pm Q&A / Closing Remarks

5:00 pm Adjourn

## OPTIONAL WORKSHOP

June 7, 2019 at the Loews Santa Monica Beach Hotel.

Workshop begins at 3:00 pm and ends at 6:00 pm.

Each session will be conducted 4 times, allowing all groups to participate.

### LYMPHEDEMA

Acupuncture..... 30 min.

Question & Answer..... 15 min.

ASTYM..... 30 min.

Question & Answer..... 15 min.

Laser Modalities ..... 30 min.

Question & Answer..... 15 min.

Yoga..... 30 min.

Question & Answer..... 15 min.

### WOUND CARE

Total Contact Casting Demo ..... 30 min.

Question & Answer..... 15 min.

Total Contact Casting Hands-On ..... 30 min.

Question & Answer..... 15 min.

Biophysical Agents (MIST, UVC, ES)

..... 30 min.

Question & Answer..... 15 min.

Bedside Diagnostics (Infrared

Thermometry, MolecuLight)..... 30 min.

Question & Answer..... 15 min.

### FACULTY AND GUESTS

Claire Castiglioni, Angela Kwan, Kim Marshall, Edwin Monroy, Marisa Perdomo,  
Terry Richardson, David Seto, Stephanie Woelfel, Cooper Wardell & Kimiko Yamada

## COURSE INFORMATION

### CANCELLATION FEE:

There is a cancellation fee of \$50. All requests must be received by fax or email only by June 3, 2019, noon PDT for a refund of tuition to be issued. No cancellations after June 3, 2019, noon PDT.

### CANCELLATION POLICY:

In the event of course cancellation by conference organizers, all registration fees will be fully refunded and USC will not refund any travel costs incurred.

### REGISTER:

Mail: Office of CME  
1540 Alcazar Street, CHP 223,  
Los Angeles, CA 90033

### REGISTER:

Online: [www.usc.edu/cme](http://www.usc.edu/cme),  
click on Conference Center  
Phone: 1 (323) 442-2555  
or Fax: 1 (888) 665-8650  
Email: [uscme@usc.edu](mailto:uscme@usc.edu)

On site: Loews Santa Monica Beach Hotel  
on June 8, 2019, at 6:45 am.

### LOCATION:

Loews Santa Monica Beach Hotel  
1700 Ocean Avenue  
Santa Monica, CA 90401  
Phone: (310) 458-6700

### PARKING:

Daytime parking is \$18.

## EDUCATIONAL OBJECTIVES

By the end of the course, participants will be able to:

- Outline the diagnosis and treatments available for patients with lymphedema and other related disorders.
- Discuss the roles of a multi-disciplinary team and their contributions to improved patient and functional outcomes for patients with lymphedema and other related disorders.
- Identify gaps in clinical knowledge and assess ways to improve our clinical expertise.
- Identify barriers or risk reduction opportunities for wound care patients.

## TARGET AUDIENCE

This course is intended for vascular and plastic surgeons; medical, radiation and breast oncologists; primary care physicians; occupational and physical therapists; wound care therapists; orthopedic foot specialists; and other allied health professionals.

# COURSE DESCRIPTION

Lymphedema is a progressive, chronic condition that affects a significant number of cancer survivors but also many in the general population. There is no true cure for lymphedema, but it can be managed with appropriate medical, surgical, and therapeutic approaches. Unfortunately, many patients receive inadequate treatment, are unaware of treatments available, and lack resources on where to seek help.

The multi-disciplinary approach to lymphedema and lipedema allows patients to receive up-to-date treatment options, self-management techniques, and appropriate diagnostic testing for additional treatment plans.

The symposium has been designed to educate providers and allied health professionals on the diagnosis and treatments available for patients with lymphedema and related disorders. There is also the option to examine a variety of wound care disorders, treatment considerations and treatment practices. Between the two concurrent programs highlighting lymphedema and its related disorders and wound care and limb salvage, attendees can broaden awareness on a multi-disciplinary approach to improve patient and functional outcomes.

## Chairman

**Ketan M. Patel, MD**

Associate Professor  
Director, Center for Advanced Lymphedema  
Treatment & Surgery  
Division of Plastic Surgery  
Department of Surgery

## Course Directors

**Michelle Lee Hsia, OTD, OTR/L, CLT**

Assistant Professor of Occupational Therapy  
Manager of Clinical Occupational Therapy  
USC Chan Division of Occupational Science  
and Occupational Therapy  
Herman Ostrow School of Dentistry of USC

**Laura Shin, DPM, PhD**

Assistant Professor of Clinical Surgery  
Department of Surgery  
Keck School of Medicine of USC

**Stephanie Woelfel, PT, DPT, CWS,  
FACCWS**

Assistant Professor of Clinical Physical  
Therapy & Surgery  
Director of Clinical Physical Therapy -  
Hospital Outpatient  
Division of Biokinesiology and Physical  
Therapy  
Herman Ostrow School of Dentistry of USC

**Kimiko Yamada, PT, DPT, OCS, CLT**

Assistant Professor of Clinical Physical  
Therapy  
Division of Biokinesiology and Physical  
Therapy  
Herman Ostrow School of Dentistry of USC

## Keck School of Medicine of USC Faculty

**Joseph N. Carey, MD**

Assistant Professor of Clinical Surgery  
Division of Plastic and  
Reconstructive Surgery  
Department of Surgery  
Chief of Plastic Surgery, Burn Unit,  
Los Angeles County Hospital

**Leonardo C. Clavijo, MD, PhD**

Associate Professor of Clinical Medicine  
Director, Interventional Cardiology  
Fellowship Program  
Division of Cardiovascular Medicine  
Department of Medicine

## Keck School of Medicine of USC Faculty

**Patrick M. Colletti, MD, FACNM,  
FSNMMI**

Professor of Radiology  
Department of Radiology

**Sung Wan Ham, MD**

Assistant Professor of Clinical Surgery  
Division of Vascular Surgery and  
Endovascular Therapy  
Department of Surgery

**Cameron Hassani, MD**

Assistant Professor of Clinical Radiology  
Department of Radiology

**William M. Lee, MD**

Assistant Professor of Clinical Surgery  
Department of Surgery

**Jaime S. Schwartz, MD, FACS**

Board Certified Plastic Surgeon  
Associate Clinical Professor of Surgery  
Division of Plastic and Reconstructive  
Surgery

**Stephen F. Sener, MD**

Professor of Surgery  
Department of Surgery

**Lee Squitieri, MD, PhD**

Resident, Plastic & Reconstructive Surgery  
LAG+USC Medical Center

**Eric W. Tan, MD**

Assistant Professor of Clinical  
Orthopaedic Surgery  
Department of Orthopaedic Surgery

**Ramon Ter-Oganesyan, MD**

Assistant Professor of Clinical Radiology  
Division of Vascular and Interventional  
Radiology

**Alex K. Wong, MD**

Associate Professor of Clinical Surgery  
Director, Microvascular Surgery Fellowship  
Program  
Division of Plastic and Reconstructive Surgery  
Department of Surgery

**Kenneth R. Ziegler, MD**

Assistant Professor of Clinical Surgery  
Department of Surgery

**Guest Faculty**

**Donald W. Buck II, MD**

Assistant Professor of Plastic & Reconstructive Surgery  
 Division of Plastic & Reconstructive Surgery  
 Washington University School of Medicine  
 St. Louis, MO

**David W. Chang, MD, FACS**

Chief of Plastic and Reconstructive Surgery  
 Director of Microsurgery Fellowship  
 Professor of Surgery  
 The University of Chicago Medicine & Biological Sciences  
 Chicago, IL

**Edward I. Chang, MD, FACS**

Associate Professor of Plastic Surgery  
 Division of Surgery  
 Department of Plastic Surgery  
 University of Texas  
 MD Anderson Cancer Center  
 Houston, TX

**Ming-Huei Cheng, MD, MBA, FACS**

Senior Professor  
 Department of Plastic and Reconstructive Surgery  
 Chief, Center of Tissue Engineering  
 Chang Gung Memorial Hospital International  
 Medical Center, Taoyuan, Taiwan

**John S. Gambol, MD**

Undersea and Hyperbaric Medicine USC  
 Verdugo Hills Hospital, Glendale CA

**Karen L. Herbst, MD, PhD**

Associate Professor of Medicine and Radiology  
 Clinical Associate Professor  
 of Pharmacy Practice-Science  
 Director TREAT Program  
 Division of Endocrinology, Diabetes and Metabolism  
 Department of Medicine  
 University of Arizona College of Medicine  
 Tucson, AZ

**Emily Iker, MD**

Director, Lymphedema Center  
 Lymphedema Center, Santa Monica, CA

**Lawrence A. Lavery, DPM, MPH**

Professor of Plastic Surgery  
 Department of Plastic Surgery  
 UT Southwestern Medical Center  
 Dallas, TX

**Patrick A. Levine, DPM**

Foot and Ankle Surgeon  
 Levine Foot & Ankle Surgery  
 Trauma, Reconstruction and Limb Salvage  
 Burbank, CA

**Kim Marshall, DPT, CLT**

Physical Therapist, Co-Owner  
 Progressive Physical Therapy and Rehab  
 Orange, CA

**Ryan Mathis, MD**

Vice President of Clinical Operations  
 PolarityTE, Inc.  
 Salt Lake City, UT

**Maurice Nahabedian, MD, FACS**

Professor of Plastic Surgery  
 VCU College of Medicine - Inova Branch  
 Falls Church, VA  
 National Center for Plastic Surgery  
 McLean, VA

**Guest Faculty (continued)**

**David J. Seto, MD**

Clinical Assistant Professor  
 Department of Medicine  
 UCLA David Geffen School of Medicine  
 Staff Physician, Primary Care & Integrative  
 Medicine  
 VA Greater Los Angeles Healthcare System  
 Los Angeles, CA

**Davide Vigano**

CEO & Co-Founder, Sensoria, Inc.  
 Redmond, WA

**Marlys H. Witte, MD**

Director, Medical Student Research Program  
 Director, Lymphology Laboratories  
 Professor of Surgery  
 Department of Surgery  
 University of Arizona College of Medicine  
 Tucson, AZ

**Herman Ostrow School of Dentistry of USC**

**Yasi Amanat, OTD, OTR/L, CLT**

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Assistant Professor of Clinical Physical  
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**Terry G. Richardson II, PT, DPT**

Instructor of Clinical Physical Therapy  
 Division of Biokinesiology and Physical  
 Therapy

**Cooper Wardell, PT, DPT**

Instructor of Clinical Physical Therapy  
 Division of Biokinesiology and Physical  
 Therapy

## ACCREDITATION STATEMENT

The Keck School of Medicine of USC is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

## CREDIT DESIGNATION

The Keck School of Medicine of USC designates this live activity for a maximum of 8 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## REGISTRATION FORM

# 2<sup>nd</sup> Annual USC Multi-Disciplinary Approach to Lymphedema and Related Disorders Symposium

Loews Santa Monica Beach Hotel

June 8, 2019

### TUITION: JUNE 8, 2019

#### EARLY BIRD REGISTRATION

Closes June 3, 2019, noon PDT

- \$350 for MDs
- \$250 for RN/Allied Health Professionals
- \$75 Students/Residents/Fellows

(Letter needed from program director for students/residents/fellows)

### ON SITE REGISTRATION

After June 3, 2019, noon PDT

Register onsite on June 8, 2019

- \$400 for MDs
- \$300 for RN/Allied Health Professionals
- \$125 Students/Residents/Fellows

(Letter needed from program director for students/residents/fellows)

### OPTIONAL WORKSHOP: JUNE 7, 2019

- Yes, I will attend the Lymphedema workshop.
- Yes, I will attend the Wound Care workshop.
- No, I will not attend workshop.

To register by mail or fax, please fill out the following form.

To register online, visit [www.usc.edu/cme](http://www.usc.edu/cme).

(PRINT)

NAME \_\_\_\_\_  
FIRST LAST

MEDICAL LIC# \_\_\_\_\_ DEGREE \_\_\_\_\_

TELEPHONE \_\_\_\_\_ FAX \_\_\_\_\_

EMAIL ADDRESS\* \_\_\_\_\_

ADDRESS \_\_\_\_\_  
STREET

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SPECIALTY \_\_\_\_\_

Confirmations and correspondence sent by email.

## METHOD OF PAYMENT

**Check (Payable to USC) • Credit Card (Visa, Mastercard or American Express) • No cash payment accepted.**

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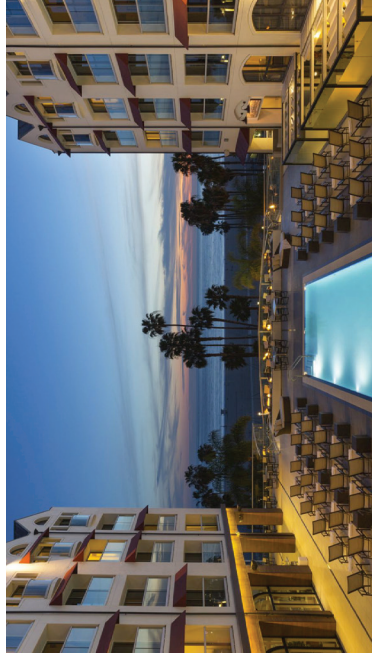
AUTHORIZED SIGNER \_\_\_\_\_

AMOUNT \$ \_\_\_\_\_

COURSES ARE SUBJECT TO CANCELLATION. USC WILL NOT REFUND TRAVEL COSTS FOR CANCELLED COURSES.

# Keck School of Medicine of USC

Office of Continuing Medical Education  
1540 Alcazar Street, CHP 223  
Los Angeles, CA 90033



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