

# MedStar Georgetown University Hospital's **Diabetic Limb Salvage: A Team Approach**



**April 27 to 30, 2022**

A Dynamic Virtual Conference with Expert Faculty

## Conference Chairmen:

**Christopher E. Attinger, MD**

MedStar Georgetown University Hospital  
Washington, D.C.

**John S. Steinberg, DPM**

MedStar Georgetown University Hospital  
MedStar Washington Hospital Center  
Washington, D.C.

## Course Directors:

**Cameron M. Akbari, MD, MBA**

MedStar Georgetown University Hospital  
MedStar Washington Hospital Center  
MedStar Heart & Vascular Institute  
Washington, D.C.

**Karen Kim Evans, MD**

MedStar Georgetown University Hospital  
Washington, D.C.

**J.P. Hong, MD, PhD**

Asan Medical Center  
University of Ulsan  
Seoul, Republic of Korea

# Conference Chairmen



**Christopher E. Attinger, MD**

Chief, Division of Wound Healing  
MedStar Georgetown University Hospital  
Professor, Plastic and Orthopaedic Surgery  
Georgetown University School of Medicine  
Washington, D.C.



**John S. Steinberg, DPM**

Co-Director, Center for Wound Healing  
MedStar Georgetown University Hospital  
MedStar Washington Hospital Center  
Director, Podiatric Residency Training Program  
MedStar Health  
Professor, Plastic Surgery  
Georgetown University School of Medicine  
Washington, D.C.

# Course Directors



**Cameron M. Akbari, MD**

Senior Vascular Surgeon  
MedStar Georgetown University Hospital  
Associate Professor, Surgery  
Georgetown University School of Medicine  
Washington, D.C.



**Karen Kim Evans, MD**

Plastic Surgeon  
MedStar Georgetown University Hospital  
Associate Program Director and Vice Chairman of Education  
MedStar Plastic and Reconstructive Surgery  
Professor, Plastic Surgery  
Georgetown University School of Medicine  
Washington, D.C.



**J.P. Hong, MD, PhD**

Plastic Surgeon  
Asan Medical Center  
Professor, Plastic and Reconstructive Surgery  
University of Ulsan  
Seoul, Korea



For updated program information, please visit [DLSConference.com](http://DLSConference.com)

# Faculty

## **David G. Armstrong, DPM, PhD**

Director  
Southwestern Academic Limb Salvage Alliance  
Professor, Surgery  
Surgery Keck School of Medicine of University of Southern California  
Los Angeles, CA

## **Jayson N. Atves, DPM, AACFAS**

Director, Foot & Ankle Research Fellowship  
Podiatric Surgeon  
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Assistant Professor, Plastic Surgery  
Georgetown University School of Medicine  
Faculty, Podiatric Surgery Residency Program  
MedStar Health  
Washington, D.C.

## **Nicole Cates, DPM**

Foot and Ankle Surgeon  
Hand and Microsurgery Medical Group  
San Francisco, CA

## **Janet D. Conway, MD, FAAOS**

Orthopedic Surgeon, Head of Bone and Joint Infection  
Sinai Hospital of Baltimore  
Baltimore, MD

## **William J. Ennis DO, MBA**

Chief, Wound Healing and Tissue Repair  
Catherine and Francis Burzik Professor, Surgery  
University of Illinois Hospital and Health Sciences System  
Chicago, IL

## **John M. Felder, MD, FACS**

Director, Microsurgery Fellowship  
Co-Director, Washington University Limb Preservation Program  
Surgeon, Department of Surgery,  
Division of Plastic Surgery  
Assistant Professor, Surgery  
Washington University School of Medicine  
St. Louis, MO

## **Roberto Ferraresi, MD**

Scientific Director, Diabetic Foot Center  
Clinica San Carlo, Paderno Dugnano  
Milano, Italy

## **Frances Game, MD**

Consultant Diabetologist and Director of R&D  
Royal Derby Hospital  
Co-Director Derby Clinical Trials Support Unit  
University Hospitals of Derby and Burton NHS FT  
Clinical Director  
East Midlands Diabetes & Vascular Diseases NHS  
Clinical Network  
Honorary Professor  
University of Nottingham  
Derby, United Kingdom

## **William J. Jeffcoate, MD**

Research Diabetologist  
Nottingham University Hospitals Trust  
Nottingham, United Kingdom

## **Venu M. Kavarthapu, MD**

Consultant Orthopaedic Surgeon  
Reconstruction Lead, Diabetic Foot Unit  
King's College Hospital  
London, United Kingdom  
Associate Professor, Orthopaedics  
University of Southern Denmark, Denmark

## **Grant M. Kleiber, MD, FACS**

Chief, Plastic & Reconstructive Surgery  
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## **Paul J. Kim, DPM, MS**

Medical Director, Wound Program  
University of Texas Southwestern Medical Center  
Professor, Plastic Surgery and Orthopedic Surgery  
University of Texas Southwestern  
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## **Stephen J. Kovach III, MD, FACS**

Herndon B. Lehr Endowed Associate Professor, Plastic Surgery  
Associate Professor of Surgery, Plastic Surgery and  
Orthopaedic Surgery  
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## **Ho Kwong Li, MBBS, MRCP, DTMH**

Specialist Registrar, Infectious Diseases & General Internal  
Medicine  
Imperial College Healthcare NHS Trust  
MRC CMBI Clinical Research Training Fellow  
Imperial College London  
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## **Ketan M. Patel, MD**

Associate Professor, Clinical Surgery  
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## **Michael C. Sachtleben**

Senior Vice President and Chief Operating Officer  
MedStar Washington Region  
President  
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## **Gregory Schultz, PhD**

Professor Emeritus, Obstetrics & Gynecology  
University of Florida  
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## **Glenn M. Weinraub, DPM, FACFAS**

Foot and Ankle Surgeon  
The Permanente Medical Group  
Past President  
American College of Foot and Ankle Surgeons  
Fremont, CA

## **Dane K. Wukich, MD**

Medical Director, Orthopaedic Surgery  
UT Southwestern University Hospitals  
Professor and Chair, Orthopaedic Surgery  
University of Texas Southwestern Medical Center  
Dallas, TX

## **Jacob Wynes DPM, MS, FACFAS**

Co-Director, Limb Preservation Clinic  
Program Director, Limb Preservation and Deformity  
Correction Fellowship  
University of Maryland Medical Center  
Foot and Ankle Surgery, Podiatry  
University of Maryland Medical System  
Assistant Professor, Orthopaedics  
University of Maryland School of Medicine  
Baltimore, MD

## **Caitlin S. Zarick, DPM**

Surgeon, Reconstructive Foot and Ankle  
MedStar Washington Hospital Center  
Assistant Professor, Plastic Surgery  
Georgetown University School of Medicine  
Washington, D.C.

# Continuing Education Credit Information

## Course Description

MedStar Georgetown University Hospital's Diabetic Limb Salvage Conference is providing compelling content for the 2022 conference in a virtual format. This annual conference focuses on a multidisciplinary team approach that provides each member of the healthcare team with the education and resources needed to heal wounds and prevent amputations. It features a prominent international faculty that promotes the importance of a multispecialty approach in limb salvage. The course is designed for healthcare practitioners of all specialties and promotes an evidence-based approach with emphasis on take-home points, techniques, and functional outcomes. The meeting format will include didactic lectures and specialty symposia for the purpose of providing an interactive learning experience.

### Here's what you can look forward to in 2022:

- Robust four-day agenda (Wednesday to Saturday) with lectures, panel discussions with interactive Q&A, and networking opportunities
- Exhibit Hall with interactive booths and chat features
- Virtual abstract viewing with oral presentations
- Four days of cadaver lab videos led by expert faculty
- Flexible schedule that permits you to attend comfortably from your own home or office



## Learning Objectives

- Analyze the public health crisis of diabetic limb loss.
- Discuss the pain of sensory loss and non-compliance to care.
- Examine the options in vascular interventional technology and techniques, both surgical and endovascular.
- Promote the practice of functional limb salvage so that patients maximize their active ambulatory status.
- Navigate the complexities of biomechanics, limb salvage, the problem wound, wound based infection, preserving limb length.
- Cite the financial and social impact of diabetic limb salvage and amputation.
- Identify the roles and responsibilities of members of the healthcare team involved in the collaborative care for prevention of diabetic limb loss.
- Integrate a team-based approach in the care of patients to prevent diabetic limb loss.

# Continuing Education Credit Information

## Target Audience

This conference is intended for diabetes and wound care specialists, vascular surgeons, orthopaedic surgeons, podiatric surgeons, plastic surgeons, endocrinologists, family practice physicians, infectious disease specialists, cardiovascular and endovascular specialists, nurse practitioners, physician assistants, physical therapists, occupational therapists, nurses, peripheral nerve specialists, certified diabetes educators, and other members of the healthcare team involved in diabetic foot and limb salvage.

## Accreditation



JOINTLY ACCREDITED PROVIDER™  
INTERPROFESSIONAL CONTINUING EDUCATION

In support of improving patient care, MedStar Health is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE) and the American Nurses Credentialing Center (ANCC) to provide continuing education for the healthcare team.

## Credit Designation



IPCE CREDIT™

This activity was planned by and for the healthcare team, and learners will receive 15.5 Interprofessional Continuing Education (IPCE) credits for learning and change.

**CPME:** An application has been submitted to Western University of Health Sciences for credit.

**Physicians:** MedStar Health designates this live activity for a maximum of 15.5 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

**Nurses:** This activity is approved for 15.5 ANCC contact hours. Nurses should claim only the credit commensurate with the extent of their participation in the activity.

**Physical Therapists:** An application has been made to the Maryland Board of Physical Therapy Examiners for continuing education credits.

**Occupational Therapists:** An application has been made to the Maryland Board of Occupational Therapy Practice for continuing education credits.

We will communicate any updates once confirmation is received.

## Call for Abstracts!

MedStar Health and MedStar Georgetown University Hospital are pleased to announce the call for oral and poster abstracts for the 2022 Diabetic Limb Salvage Conference.

Abstracts will be reviewed and selected on the basis of their scientific merit and content quality. Submitted abstracts meeting the eligibility requirements will be considered for poster presentation from Wednesday, April 27 to Saturday, April 30, 2022. The top three abstracts will also be awarded and presented orally on Saturday, April 30, 2022 during general session.

We invite you to participate by submitting a 250-word abstract, which should describe work with relevant to diabetic foot and limb salvage. Please visit [DLSconference.com](https://DLSconference.com) for more information.

**SUBMISSION DEADLINE:** April 1, 2022

For updated program information, please visit [DLSConference.com](https://DLSconference.com)

# Agenda

WEDNESDAY, APRIL 27

## SESSION I: DLS Basics: Every Patient. Every Time.

- |           |  |           |   |
|-----------|--|-----------|---|
| 3:00 p.m. | <b>Welcome Remarks and Meeting Overview</b><br>Christopher E. Attinger, MD;<br>John S. Steinberg, DPM        | 4:15 p.m. | <b>Evaluating the Host: What are we Really Up Against?</b><br>Karen Kim Evans, MD   |
| 3:15 p.m. | <b>The Efficient and Effective Diabetic Foot Exam</b><br>John S. Steinberg, DPM                              | 4:30 p.m. | <b>Cadaver Lab: Application of Circular External Fixator</b><br>Jayson N. Atves, DPM, AACFAS;<br>Caitlin S. Zarick, DPM                                 |
| 3:30 p.m. | <b>How do we Screen for Peripheral Arterial Disease (PAD) in the Diabetic Foot?</b><br>Cameron M. Akbari, MD | 5:00 p.m. | <b>Panel Discussion</b><br>Moderators: Christopher E. Attinger, MD;<br>John S. Steinberg, DPM<br>Panelists: C. Akbari, J. Atves, K. Evans,<br>C. Zarick |
| 3:45 p.m. | <b>Debridement: Why, When and How?</b><br>Christopher E. Attinger, MD  | 5:30 p.m. | <b>Evening Break and Visit the Exhibitors and Abstract Poster Presentations</b>   |
| 4:00 p.m. | <b>Biomechanical Considerations to Provide a Functional Foot</b><br>Jayson N. Atves, DPM, AACFAS             | 5:45 p.m. | <b>Symposium I</b>  |
|           |  | 6:30 p.m. | <b>Adjourn</b>  |

THURSDAY, APRIL 28

## SESSION II: Evidence Based Management of Diabetic Foot Infection

- |           |   |           |   |
|-----------|---|-----------|---|
| 3:00 p.m. | <b>Session Introduction</b><br>Christopher E. Attinger, MD;<br>John S. Steinberg, DPM   | 4:30 p.m. | <b>Cadaver Lab: Insertion of Retrograde Intramedullary Nail</b><br>Jayson N. Atves, DPM, AACFAS;<br>Caitlin S. Zarick, DPM  |
| 3:15 p.m. | <b>Turning the Tables Upside Down with Data on Clinic Based Debridements</b><br>Paul J. Kim, DPM, MS                                  | 5:00 p.m. | <b>Panel Discussion</b><br>Moderators: Christopher E. Attinger, MD;<br>John S. Steinberg, DPM<br>Panelists: J. Atves, J. Conway, F. Game,<br>P. Kim, H. Li, G. Schultz, C. Zarick   |
| 3:30 p.m. | <b>IV vs PO. 2 weeks vs 12 weeks. How Should we Dose?</b><br>Ho Kwong Li, MBBS, MRCP, DTMH  | 5:30 p.m. | <b>Evening Break and Visit the Exhibitors and Abstract Poster Presentations</b>   |
| 3:45 p.m. | <b>International Working Group on the Diabetic Foot (IWGDF): Using MetaData to Guide Wound Healing Treatments</b><br>Frances Game, MD | 5:45 p.m. | <b>Applying the Latest Evidence, Techniques, and Innovative Technologies for Value Analysis: Tips from a Multi-disciplinary Panel</b><br>Paul J. Kim, DPM, MS, FACFAS;<br>Alisha Oropallo, MD, FACS;<br>Garrett Wirth, MD, MS, FACS |
| 4:00 p.m. | <b>Today's Surgical Approach to Osteomyelitis</b><br>Janet D. Conway, MD, FAAOS   |           | <i>Sponsored by 3M</i><br><i>This symposium is not certified for continuing education credit.</i>   |
| 4:15 p.m. | <b>What Ever Happened to the Biofilm Discussion?</b><br>Gregory Schultz, PhD  | 6:30 p.m. | <b>Adjourn</b>  |

For updated program information, please visit [DLSCConference.com](https://www.dlscconference.com)

## SESSION III: Charcot Arthropathy: Haven't We Fixed This Yet?

3:00 p.m.	<b>Session Introduction</b> Christopher E. Attinger, MD; John S. Steinberg, DPM	4:15 p.m.	<b>Does Beaming Still make Sense?</b> Glenn M. Weinraub, DPM, FACFAS
3:15 p.m.	<b>Charcot Diagnosis, Pathophysiology, and Early Stage Management</b> Venu M. Kavarthapu, MD	4:30 p.m.	<b>Cadaver Lab: Amputations of the Foot</b> John S. Steinberg, DPM
3:30 p.m.	<b>Using Evidence to Operate Wisely on the Right Patient</b> Dane K. Wukich, MD	5:00 p.m.	<b>Panel Discussion</b> Moderators: Christopher E. Attinger, MD; John S. Steinberg, DPM Panelists: N. Cates, V. Kavarthapu, G. Weinraub, J. Wynes, D. Wukich, C. Zarick
3:45 p.m.	<b>What the Georgetown Data Tells us about Charcot Treatment</b> Nicole Cates, DPM	5:30 p.m.	<b>Evening Break and Visit the Exhibitors and Abstract Poster Presentations</b>
4:00 p.m.	<b>When the Train Comes Off the Tracks: Charcot Complications</b> Jacob Wynes DPM, MS, FACFAS	5:45 p.m.	<b>Symposium III</b>
		6:30 p.m.	<b>Adjourn</b>

## 2022 MedStar Georgetown Distinguished Achievement Award in Diabetic Limb Salvage



MedStar Georgetown University Hospital is honored to present Dane K. Wukich, MD with the 2022 MedStar Georgetown Distinguished Achievement Award in Diabetic Limb Salvage.

Dane K. Wukich, MD is a nationally recognized foot and ankle surgeon, educator, lecturer, and researcher. He has written more than 100 papers and presented lectures around the world. Dr. Wukich serves as peer reviewer for 11 journals and is the author or co-author of several book chapters dealing with foot and ankle problems in athletes and patients with diabetes. His research interest includes the complications of circular external fixation in patients with diabetes, foot and ankle problems in post-transplant patients, and treatment of spastic deformities of the foot and ankle in patients with traumatic brain injury and/or stroke.

Currently, Dr. Wukich is a professor and Chair of the Department of Orthopaedic Surgery at UT Southwestern and the Dr. Charles F. Gregory Chair in Orthopaedic Surgery. He is also the Medical Director of Orthopaedic Surgery at UT Southwestern University Hospitals.

Dr. Wukich has held leadership roles in the American Academy of Orthopaedic Surgeons, American Diabetes Association, American Orthopaedic Association, and other societies. He has frequently been named a Castle Connolly "Top Doc" in orthopaedic surgery and in 2007, he was the recipient of the UPMC Golden Apple Award in recognition of his teaching efforts.

### Previous honorees include:

<b>2021:</b> Benjamin A. Lipsky, MD	<b>2012:</b> Andrew J.M. Boulton, MD, DSc
<b>2019:</b> Arun Bal, MBBS, MS, PhD	<b>2011:</b> William J. Ennis, DO, MBA
<b>2018:</b> Lawrence A. Lavery, DPM, MPH	<b>2010:</b> Gary W. Gibbons, MD
<b>2016:</b> Karel Bakker, MD, PhD	<b>2009:</b> Peter Sheehan, MD,
<b>2014:</b> William J. Jeffcoate, MB, MRCP	<b>2008:</b> Lawrence B. Harkless, DPM
<b>2013:</b> George Andros, MD	<b>2007:</b> David G. Armstrong, DPM, MD, PhD

# Agenda

SATURDAY, APRIL 30

## SESSION IV: When you Have a Plastic Surgeon on the DLS Team...

- 8:00 a.m. **Session Introduction**  
Christopher E. Attinger, MD;  
John S. Steinberg, DPM
- 8:15 a.m. **Local Flaps for Foot and Ankle Reconstruction**  
Christopher E. Attinger, MD
- 8:30 a.m. **Free Flaps for Lower Extremity Salvage**  
Karen Kim Evans, MD
- 8:45 a.m. **Thinking Outside the Box: Creativity for Complex Soft Tissue Problems**  
John M. Felder, MD, FACS
- 9:00 a.m. **Surgical Management of Lymphedema**  
Ketan M. Patel, MD

- 9:15 a.m. **Bony Reconstruction of the Lower Extremity**  
Stephen J. Kovach III, MD, FACS
- 9:30 a.m. **Panel Discussion**  
Moderators: Christopher E. Attinger, MD;  
John S. Steinberg, DPM  
Panelists: K. Evans, J. Felder, S. Kovach,  
K. Patel

- 10:00 a.m. **Morning Break and Visit the Exhibitors and Abstract Poster Presentations**

## SESSION V: Function, Function, Function... Can We Say It Enough?

- 10:30 a.m. **Top Oral Abstract Presentations**
- 10:45 a.m. **MedStar Georgetown Distinguished Achievement Award in Diabetic Limb Salvage**  
Introduction: Michael C. Sachtleben  
Moderators: Christopher E. Attinger, MD;  
John S. Steinberg, DPM  
Honoree: Dane K. Wukich, MD
- 11:00 a.m. **Session Introduction**  
Christopher E. Attinger, MD;  
John S. Steinberg, DPM
- 11:15 a.m. **Well Performed Below Knee Amputation (BKA) Is Functional Salvage: What the Data Now Tells Us**  
Christopher E. Attinger, MD
- 11:30 a.m. **How Targeted Muscle Reinnervation (TMR) has Transformed the Role of BKA in Limb Salvage**  
Grant M. Kleiber, MD, FACS

- 11:45 a.m. **No Blood Flow...No Function. Effective Endovascular Interventions**  
Roberto Ferraresi, MD
- 12:00 p.m. **Panel Discussion**  
Moderators: Christopher E. Attinger, MD;  
John S. Steinberg, DPM  
Panelists: R. Ferraresi, G. Kleiber
- 12:30 p.m. **Afternoon Break and Visit the Exhibitors and Abstract Poster Presentations**
- 1:00 p.m. **Cadaver Lab: Local Flaps of the Lower Extremity**  
Moderators: John S. Steinberg, DPM;  
Christopher E. Attinger, MD;  
Karen Kim Evans, MD  
*Sponsored by Integra LifeSciences  
This symposium is not certified for continuing education credit.*

## SESSION VI: Practicing DLS in 2022. The Good, The Bad, The Ugly.

- 2:00 p.m. **Session Introduction**  
Christopher E. Attinger, MD;  
John S. Steinberg, DPM
- 2:15 p.m. **Complications, Complications, Complications...**  
Cameron M. Akbari, MD;  
Karen Kim Evans, MD
- 2:45 p.m. **DLS Now and in the Future**  
William J. Ennis, DO, MBA
- 3:00 p.m. **Why is the Charcot Foot so Uncommon in Diabetes? What Does it Tell us About its Causes?**  
William J. Jeffcoate, MD
- 3:15 p.m. **Measure What We Manage: Past and Future Diabetic Foot**  
David G. Armstrong, DPM, PhD
- 3:30 p.m. **Keynote Address: The Future of Limb Reconstruction**  
J.P. Hong, MD, PhD
- 4:00 p.m. **Panel Discussion**  
Moderators: Christopher E. Attinger, MD;  
John S. Steinberg, DPM  
Panelists: C. Akbari, D. Armstrong,  
W. Ennis, K. Evans, J. Hong, W. Jeffcoate
- 4:30 p.m. **Adjourn**



# Registration Information

Registration Fees	Now Through April 26	April 27 to April 30
Physician	\$399	\$449
Resident or Fellow	\$40	\$60
Physician Assistant	\$349	\$399
Nurse Practitioner	\$349	\$399
Nurse	\$349	\$399
Allied Health Professional	\$349	\$399
Physical Therapist or Occupational Therapist	\$349	\$399
Medical Student	\$40	\$60
Industry Professional	\$549	\$549

## Online Registration Preferred

We are unable to accept registrations or cancellations by telephone. All registrations will be confirmed by email only. If you have questions or do not receive a confirmation within 1-2 business days, please contact us at [MedStarCPE@MedStar.net](mailto:MedStarCPE@MedStar.net) or (833) 731-1273.

## Cancellation Policy

If you are unable to attend the date of the conference, your registration will still grant you access to conference slides and recorded content. CE hours will be credited based on attendance day of or completion of recorded content.

## Conference Information

This conference is taking place online with live speakers and Q&A sessions.

## Special Assistance

MedStar Health wishes to ensure that no individual with a disability is excluded, denied services, segregated, or otherwise treated differently from other individuals because of the absence of auxiliary aids or services identified in the Americans with Disabilities Act. Please contact (833) 731-1273 to notify us of your needs.

For exhibit and support information please contact  
Ada Guo at [ada.guo@medstar.net](mailto:ada.guo@medstar.net)