

CATHETER THERAPEUTICS

VENOUS SUMMIT JUNE 23-25, 2019

FULL C³ CONFERENCE: JUNE 23-26, 2019
HILTON BONNET CREEK • ORLANDO, FLORIDA
WWW.C3CONFERENCE.NET



Dear Colleagues,

Welcome to the 2019 Venous Summit which will be held during the 15th Anniversary year of the C³ Conference in Orlando, Florida.

As you all know, the endovascular venous field is experiencing rapid innovation with constant change in which new therapies are being evaluated and made available for today's practitioner.

With these rapidly evolving treatment options in venous thromboembolism, many questions remain unanswered. For example, controversial data in the treatment of acute deep venous thrombosis (DVT) was recently published, which revealed that further evaluation and dialogue by world experts are crucial in defining appropriate patient and treatment options. Additionally, intravascular ultrasound (IVUS) is seeing wide acceptance in venous interventional procedures, however, many healthcare systems worldwide do not have full access to this vital resource, which needs further understanding and education.

On the horizon, new stent technology options are already showing very promising results in first-in-man and post CE-mark trials. However, progress is needed to define the correct stent design, especially in complex anatomies such as: below the inguinal ligament and common femoral vein.

At C³, during the Venous Summit, we will use practical case-based approaches curated by world experts in venous intervention. This approach allows us to put the research information into a practical context. In this unique environment, attendees will have opportunity to interact with these global experts and tackle difficult clinical questions.



The Venous Summit has been designed for physicians who specialize in the endovascular venous field, for those starting to learn venous disease treatments, and fellows and residents who are interested in deep venous disease. This summit offers presentations and debates with world experts, live-cases, ample opportunity for question and answer, and supported hands-on workshops.

I hope you will join us in Orlando to take part in the best interdisciplinary and comprehensive Venous Summit at C^3 .

I look forward to seeing you there.

Michael Klaus William Lichtenberg, MD, FESC

Angiology Clinic, Vascular Center Arnsberg Clinic Arnsberg, Germany Chair, Venous Summit

Julian Javier, MD

Naples Cardiac & Endovascular Center Naples, FL Co-Chair, Venous Summit

Rajesh Dave, MD, FSCAI, FACC

The Ortenzio Heart Center at Holy Spirit Hospital Camp Hill, PA Chairman, C³ Global Conference

Keynote Speaker



Lowell S. Kabnick, MD, RPhS, FACS, FACPh

Dr. Kabnick, recognized as an international authority on the diagnosis and treatment of venous disease, is a world-renowned surgeon-teacher who provides a patient-center approach to vein care. His process enables the creation and improvement of many of today's most advanced non-invasive vascular surgery techniques.

Faculty Listing

INVITED FACULTY

Steven Abramovitz, MD

Washington Hospital Center Washington, DC

John Fritz Angle, MD

University of Virginia School of Medicine Charlottesville, VA

James Antezana, MD

South Charlotte General and Vascular Surgery Charlotte, NC

Frank Arko, MD

Sanger Heart & Vascular Institute Charlotte, NC

Bulent Arslan, MD

Rush University Medical Center Chicago, IL

Nilesh Balar, MD

St Michael's Medical Center Bronx, NY

Geoffrey Barnes, MD

University of Michigan Ann Arbo, MI

Rohit Bhatheja, MD

Florida Heart Group Orlando, FL

Robert Beasley, MD

Mount Sinai Medical Center Miami, FL

Cristal Boatright, MMS, PA-C

Coastal Vein Vascular Institute Jacksonville, FL

Teresa Carmen, MD

University Hospitals Cleveland Medical Center Cleveland, OH

Jose Castro, MD, MTCACI

Hospital San Juan de Dios Buenos Aires, Argentina

Yung Wei Chi, MD

University of California Davis Medical Center Sacramento, CA

Anthony Comerota, MD

Inova Vascular and Vein Center Alexandria, VA

Julie Cardoso, RDCS, RVT, RPhS

Universal Ultrasound Management Brick, NJ

Steven Dean, MD

Wexner Medical Center Ohio State Columbus, OH

Mahir Elder, MD, FACC, FSCAI

Wayne State University School of Medicine Detroit, Michigan

Christian Erbel, MD

University Hospital Heidelberg Heidelberg, Germany

Marie Gerhard-Herman, MD

Brigham and Women's Hospital Boston, MA

Athanasios Giannoukas, MD, PhD

Larissa University Hospital Larissa, Greece

Jay Giri, MD

University of Pennsylvania Philadelphia, PA

Rick de Graaf, MD

Clinic of Friedrichshafen Friedrichshafen, Germany

Kandy Hammond, RN, BSN

Midwest Vein and Laser Troy, OH

Thomas Heller, MD

University Medicine of Rostock Elmenhorst, Germany

Julian Javier, MD

Naples Cardiac & Endovascular Center Naples, FL

Lowell Kabnick, MD

New York University Vein Center Morristown, NJ

Daniella Kadian-Dodov, MD

Icahn School of Medicine at Mount Sinai New York, NY

Sunil Kalla, MD

Nevada Heart and Vascular Center Henderson, NV

William Brent Keeling, MD

Emory University of School of Medicine Atlanta, Georgia

Bryan Kluck, DO

Lehigh Valley Hospital Allentown, PA

Anil Kumar, MD

Yavapai Regional Medical Center Prescott, AZ

Joe Lau, MD

Northwell Health Manhasset, NY

Daniel Leung, MD

Christiana Care Health System Newark, DE

Michael Litchenberg, MD

Angiology Clinic, Vascular Center Arnsberg Clinic Arnsberg, Germany

Edward Mackay, MD

Vein and Circulation Specialist Palm Harbor, FL

S. Jay Mathews, MD

Bradenton Cardiology Center Bradenton, FL

Dipankar Mukherjee, MD

Inova Fairfax Hospital Annandale, VA

Sonya Noor, MD

Gates Vascular Institute Buffalo, NY

Gregory Piazza, MD

Brigham and Women's Hospital Wellesley, MA

Karan Reddy, MD

Florida Cardiology Orlando, FL

Vinay Satwah, MD

Center for Vascular Medicine Greenbelt, MD

Israel Schur, MD

American Endovascular Quakertown, PA

Aditya Sharma, MD

University of Virginia Charlottesville, VA

Akhilesh Sista, MD

NYU Langone Health New York, NY

Jan Sloves, RVT, RCS

Mount Sinai Downtown New York, NY

Jorge H. Ulloa, MD

Santa Fe Foundation of Bogota Bogota, Colombia

Alex Vakili, MD

South Seminole Hospital, Orlando Health Longwood, FL

Anthony Venbrux, MD

The George Washington University Medical Center Washington, DC

Joyce Vining, RVT, LPN

Sclerotech Consulting Inc. Jacksonville, FL











Venous Summit

This two (2) day dedicated & cutting-edge course will address A-to-Z on venous disease starting from Superficial Venous Disease, Pulmonary Embolism Treatment, DVT, Venous CTO & New Venous Stents.

Program Highlights

Superficial Venous Disease

- Guidelines for testing and treatment
- Methods of Venous Ablation including new devices and pharmacological agents
- Sclerotherapy and Phlebectomy
- Complications
- Conservative Management: Medical Therapy, Compression

Acute DVT

- Critical review of scientific literature
- Optimal medical management in special patient subset
- Endovascular management options including all new devices
- Focus on patient selection by experts

Venous Occlusion

- Methods of crossing
- Preparation of lesion for stent: IVUS & PTA
- New dedicated stent technologies
- Case studies by experts

Lymphedema

Diagnosis and treatment modalities

Pulmonary Embolism

- Patient selection for endovascular management
- How to start the program
- Endovascular treatment alternatives with new devices

Hot Topics & Debates

- Acute DVT: Endovascular vs Medical Therapy
- Stent Lumen & Shape: Does that matter?
- Thermal vs Nonthermal Ablative Technologies
- Submassive PE: Endovascular vs Medical Management
- Anticoagulation & Antithrombotic Therapy Post Venous Intervention
- Pelvic Congestion Syndrome: Diagnosis & Treatment Options
- Utility of IVC Filter in Venous Practice
- The Latest Recommendations for Iliac Vein Compression



Schedule

Sunday, June 23, 2019

Fundamentals in Venous Disease Chairs: Marie Gerhard Herman, MD, Michael Lichtenberg, MD, Steven Dean, MD
• Welcome and IntroductionMichael Lichtenberg, MD
 Clinical Patterns, Evaluation, and VCSS and CEAP Classification in Venous Disorders Marie Gerhard-Herman, MD
• Lesser Known Presentation of Chronic Venous Insufficiency
 Venous Ulcers: Identification, Differentiation of Venous and Arterial Ulcers, Mixed Pathology Yung Wei Chi, MD
• Atypical Ulcers - Recognizing and Evaluation Teresa Carmen, MD
 How to Select Between Different DOAC's, Warfarin or Heparins for an Individual Patient with DVT Aditya Sharma, MD
• Compression Therapy in Venous Disease Yung Wei Chi, MD
• How to Evaluate Pelvic Congestion SyndromeAnthony Venbrux, MD
• Evaluation of Upper Extremity Edema: Case-Based LearningDipankar Mukherjee, MD
• Lymphedema and Lipidemia: Clinical Evaluation and Investigations
Treatment of Superficial Venous Disorders Chairs: Lowell Kabnick, MD, Julian Javier, MD, Bryan Kluck, MD Moderators: Parag Doshi, MD, Gaurav Aggarwala, MD, Vinay Satwah, MD
Guideline Update on Diagnostic Testing and Treatment Algorithm for Superficial Venous Disease: The EssentialsMarie Gerhard-Herman, MD
• Key Clinical Trials in Superficial Venous Disease: Year-in-Review Lowell Kabnick, MD
• Evaluation of Ilio-Caval Disease in the Setting of Superficial Vein DiseaseRick de Graaf, MD
• Can Venous Duplex be Used for Diagnostic Tool to Identify Ilio-Caval Disease?: New ProtocolJan Sloves, RVT, RCS
• CTV/MRV as a Diagnostic Tool for Venous Disease
• Introduction of Dr. Lowell KabnickMichael Lichtenberg, MD
Keynote Address: 20 Years of Venous Thermal Ablation: Tell it Like it is Lowell Kabnick, MD
How Do I Choose Ablative

• Thermal Techniques of Superficial Vein Ablation..... Bryan Kluck, DO

 Non-Thermal Non-Tumescant Techniques of Superficial Venous Ablation Edward Mackay, MD Technical Tips and Tricks to Treat Anatomical Variants
in Venous Reflux Disease
• Evaluation and Management of Incompetent Perforators
Concepts in Iliofemoral DVT: Part I Chairs: Anthony Venbrux, MD, Frank Arko, MD
When Would you Consider Endovascular Intervention for Acute DVT Post ATTRACT Trial?Frank Arko, MD
Atypical VTE: What to Consider? Teresa Carman, MD
Thrombolysis in the Treatment of Iliofemoral DVT with PMT Bulent Arslan, MD
Thrombolysis Aided by Ultrasonic Energy in DVTS. Jay Mathews, MD
Continuous Aspiration Mechanical Thrombectomy (CAT) in DVTFrank Arko, MD
• Infusion Aspiration (Clot Triever) Thrombectomy in DVT
• Tips and Tricks during Lower Extremities Mechanical ThrombectomyFrank Arko, MD
• How to Access and Improve DVT InterventionJohn Fritz Angle, MD
How to Follow a Patient Post-Venous Stenting: US, Imaging, and Venography: When and How Often? Anil Kumar, MD
 Antiplatelet and Anticoagulant Therapy Post Venous Stents Marie Gerhard-Herman, MD
• Endovascular Options in a Pregnant Patient with Iliofemoral DVTBulent Arslan, MD
• Superficial Venous Thrombosis: Literature Review on Management Strategies Yung-Wei Chi, MD
• First-in-Man Experience on Venous Valve Jorge Ulloa, MD



Schedule

Treatment of Superficial Venous Disorders Part 2

Chairs: Nilesh Balar, MD, Karan Reddy, MD, Jorge Ulloa, MD

- Phlebectomy: Technical Tips and Tricks, Indications, and BillingNilesh Balar, MD
- When to Treat Small Saphenous Vein......Joyce Vining, RVT, LPN
- Treating Spider Veins Using Sclerotherapy,
 Laser, and Light Therapy......Kandy Hammond, RN, BSN
- Causes, Prevention and Treatment
 of Recurrent Varicose Veins Edward MacKay, MD
- Complications of Superficial Venous Treatments.....Julian Javier, MD







Monday, June 24, 2019

Pathophysiology of Venous Outflow Obstruction and Diagnostic Approach

Chairs: Michael Lichtenberg, MD, Christian Erbel, MD, Anthony Venbrux, MD

• Venous Obstructions: Etiology and Pathophysiologic Aspects Lowell Kabnick, MD
• Clinical Assessment of Patient with Venous Outflow Obstruction Christian Erbel, MD
• MRV for Planning Venous Recanalization ProceduresRick de Graaf, MD
• CT Venography: Technique and Indications Anthony Venbrux, MD
• IVUS will be the Gold Standard in Treatment of Venous Outflow Obstruction Steve Abramovitz, MD
Interventional Approach I Chairs: John Fritz Angle, MD, Steve Abramovitz, MD
• Where to Puncture for Venous Recanalization?
• Tips and Tricks for Venous RecanalizationRick de Graaf, MD
• Crossing Femoro-Iliocaval Chronic Total Occlusions: From Soft Wires to Sharp Harpoons Thomas Heller, MD
• Importance of Stent Shape and Area on Clinical Outcomes After Iliofemoral Venous Stenting Lowell Kabnick, MD
• Important Tips for Success in Iliac Vein Stenting Steve Abramovitz, MD
in Iliac Vein Stenting Steve Abramovitz, MD Interventional Approach II
in Iliac Vein Stenting
 Interventional Approach II Chairs: Michael Lichtenberg, MD, S. Jay Mathews, MD, Daniel Leung, MD The Latest in Clinical Evidence for Venous Stents
Interventional Approach II Chairs: Michael Lichtenberg, MD, S. Jay Mathews, MD, Daniel Leung, MD The Latest in Clinical Evidence for Venous Stents
Interventional Approach II Chairs: Michael Lichtenberg, MD, S. Jay Mathews, MD, Daniel Leung, MD The Latest in Clinical Evidence for Venous Stents
Interventional Approach II Chairs: Michael Lichtenberg, MD, S. Jay Mathews, MD, Daniel Leung, MD The Latest in Clinical Evidence for Venous Stents
Interventional Approach II Chairs: Michael Lichtenberg, MD, S. Jay Mathews, MD, Daniel Leung, MD The Latest in Clinical Evidence for Venous Stents
Interventional Approach II Chairs: Michael Lichtenberg, MD, S. Jay Mathews, MD, Daniel Leung, MD • The Latest in Clinical Evidence for Venous Stents

Schedule

Interventional Approach for Acute DVT

Chairs: Frank Arko, MD, Thomas Heller, MD, Anthony Comerota, MD Moderator: Sunil Kalla, MD

How Important is Rapid Flow Restoration In DVT	Thomas Heller, MD
Indications for IVC Filter in Treatment of DVT	J. Christian Higgins, MD
• Tips and Tricks During Lower Extremities Mechanical Thrombectomy	Frank Arko, MD

New Dedicated Stents and Clinical Trials

Chairs: Michael Lichtenberg, MD, Steve Abramovitz, MD, Akhilesh Sista, MD

 Update on Virtus 	Trial.	Michael	Lichtenberg,	MD
--------------------------------------	--------	---------	--------------	----

- Update on ABRE Trial
 Steve Abramovitz, MD
- Venovo Stent Technology...... Michael Lichtenberg, MD
- Recurrent Obstruction After Hybrid Deep Venous Interventions,
 Single Inflow Vein StentingRick de Graaf, MD
- Contemporary Management
 of Pagett-Schroetter Syndrome......Anthony Comerota, MD
- Which Stent Would I Use In: Malignancy, Across Inguinal Ligament, IVC, Into PFV Christian Erbel, MD
- Predictors and Acceptable Rates of Venous Stent Fractures: What to Do with it? Christian Erbel, MD
- Restenosis of Venous Stents After Implantation:
 Etiology, Prevention, and Treatment Options..... Lowell Kabnick, MD
- Methods of Opening Thrombosed Iliac Vein Stents...... Anthony Comerota, MD & Shawn Sarin, MD

C³ Keynote and C³ 15th Year Anniversary Celebration in Main Theater

Tuesday, June 25, 2019

PE at C³

Chairs: Gregory Piazza, MD, Aditya Sharma, MD Rohit Bhatheja, MD

 Risk Stratification of Pulmonary Embolism: How Do I Incorporate Clinical Data, Laboratory Test, and Imaging to Identify Patients Appropriate for Advanced Therapies?

• Pulmonary Embolism Response Team: Role in Quality – Systems Based Care and Future Direction Aditya Sharma, MD
• Update in Clinical Studies in Acute Pulmonary Embolism
Case Based Discussion and Lessons Learnt: Catheter Directed Lysis
 Case Based Discussion and Lessons Learnt: Suction Thrombectomy for Acute PE: When, Why, and How?Akhilesh Sista, MD
Periprocedural Anticoagulation in Submassive and Massive PERohit Bhatheja, MD
• Post PE Syndrome: Underrecognized Complication of PEAkhilesh Sista, MD
• Endovascular Interventions: Complications and How to fix it?Akhilesh Sista, MD
• In the Current Era: Is There a Role for Systemic Thrombolysis in Acute Pulmonary Embolism TherapyTeresa Carman, MD
When and Why to Consider RV Support Devices for Acute Pulmonary Embolism Aditya Sharma, MD
Surgery in Acute Pulmonary Embolism: When to Consider First Line?
My Most Complicated PE Case 1 Jose Javier Castro, MD
My Most Complicated PE Case 2Mahir Elder, MD
My Most Complicated PE Case 3 Jonathan Paul, MD
New Devices for Pulmonary EmbolismShawn Sarin, MD
My Most Complicated PE Case 4 Daniel Leung, MD
My Most Complicated PE Case 5
European Venous Forum, German Society of Angiology
and C ³ Combined Venous Session Faculty: Rajesh Dave (C ³), Athanasios Giannoukas (EVF), Michael Lichtenberg (DGA)
• Complications from Foam SclerotherapyAthanasios Gionnoukas, MD, PhD
• ATTRACT Subgroup Analysis Favours Iliofemoral DVT ThrombectomyMichael Lichtenberg, MD
• Complications and Current Management of Superficial Vein Thrombosis Christian Erbel, MD
Pelvic Venous Insufficiency: Diagnosis and Treatment OptionsRick de Graaf, MD
- C CDCA





Registration

Registration is open for the 15th Annual Complex Cardiovascular Catheter Therapeutics: Advanced Endovascular and Coronary Intervention Global Summit (C³)!

If you are paying by credit card: Visit www.c3conference.net and select "Register". If you are paying by check: Mail check and your name/phone/email to the below address. Checks should be payable to ACHL/C³.

Mail checks to: 230 W Monroe Street, Chicago, IL 60606

You will be sent a code that allows you to register each person in your group through the conference website.

Contavanas	Registration Fees		
Conference	Before May 1, 2019	After May 1, 2019	
Full Conference: Industry	\$650	\$1,195	
Full Conference: Nurse/ Technologist/Allied Health/ Fellow/Resident/ Student	\$195	\$375	
Podiatrist: Wound Care Program	\$425	\$495	
Full Conference: Physician	\$495	\$895	

Hotel Information





The Best Live Demonstration Course in 2019

Renowned experts from globallyreputed medical centers will perform live cases.

Partnership Sessions

Highlight the Latest Clinical Challenges, organized by global interventional societies & clubs from Europe, Japan, China, Vietnam, Egypt, Thailand, Malaysia, Taiwan, Bangladesh, Pakistan, and South America.

Master Mentorship

If you are a Fellow & submit challenging cases or abstracts, the Top 3 will be selected by the C³ Scientific Committee and will have an opportunity to sit one-on-one with a Legend to review your presentation and gain insights and skills on presenting.

Challenging Case & Abstract Competition Sessions

Competition sessions for accepted abstract and case with the expert's focus review. The top scientific case and abstract winner will get a \$500 prize certificate!

Global Women Cardiac & Vascular Interventional Forum

For the third year in a row, C³ celebrates the contributions that women make to cardiology. We are hosting two special sessions focused on women. The TOP TEN selected and accepted cases and scientific abstracts submitted by women will be featured in these sessions.

Science & Late-Breaking Research

The most influential & cuttingedge cardiovascular research for 2018-2019 will be presented with opportunity to simultaneously publish this research in leading journals.



VENOUS SUMMIT

register today! WWW.C3CONFERENCE.NET

Registration is open for the 15th Anniversary of the Complex Cardiovascular Catheter Therapeutics: Advanced Endovascular and Coronary Intervention Global Summit (C³)

C³ celebrates its' 15th year anniversary this June 23-26, 2019 in Orlando, Florida at the Hilton Bonnet Creek. We hope you, your fellow colleagues, and friends will join us to share and learn in this dynamic educational opportunity!

#C32019

© 2019 Academy for Continued Healthcare Learning

Sponsored by

ACADEM/6r

CONTINUED HEALTHCARE LEARNING

PRSRT STD
U.S. POSTAGE

PAID

HARRISBURG PA
PERMIT NO. 533