

AORTIC MASTERCLASS

FUNDAMENTALS SIMPLIFIED

A NATIONAL SURGICAL INTENSIVE

Exploring the intricacies and nuances of open and endovascular aneurysm repair through expert-led sessions, case-based discussions, and immersive, simulator-based hands-on training

Decoding
Aorta

AORTIC MASTERCLASS 2025

An initiative by **Vascular Society of Kerala (VASK)**

An Initiative by
VASK
Vascular Society Of Kerala



2025 July 25 26 27

Hotel Hilton, Trivandrum, Kerala

Conference Secretariat: Division of Vascular Surgery, Sree Chitra Tirunal Institute of Medical Sciences, Trivandrum



VASK

Vascular Society Of Kerala

Dr. Sunil Rajendran
President - VASK

Dr. Rajesh Anto
Secretary - VASK

Dr. Sidharth Viswanathan
Treasurer - VASK

Prof. RC Sreekumar
Organising Chairman

Dr. Sivaneshan P
Organising Secretary





AORTIC MASTERCLASS

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We are proud to present the Aortic Master Class, India's pioneering educational initiative in the domain of aortic interventions -

A first-of-its-kind program launched by VASK (Vascular Society of Kerala). This event will bring together leading minds in vascular and endovascular surgery to explore the intricacies and nuances of open and endovascular aneurysm repair.

Designed as an immersive academic experience, the Aortic Master Class blends expert-led sessions, real-world case-based discussions, and high-fidelity simulator-based hands-on training to provide a comprehensive understanding of aortic pathology management.

Open Aortic Day

DAY 1

25.07.2025

Learning Objectives:

- Pre-op optimisation of a patient with abdominal aortic aneurysm
- How to read the CT/MR images and plan the surgery
- Transperitoneal (Midline and Transverse) and Retroperitoneal exposure for aortic aneurysm - pros and cons
- Choosing the hardware (Graft size, needlesize, felts)
- How to ensure perfect haemostatic anastomosis
- Organ preservation techniques (Renal and Visceral)
- Basics of distal perfusion in Supra renal/Type 4 TAAA

Session 1: 1:00 PM - 1:30 PM

Session Co-ordinator - **Dr. Prajna Kota**
Chairpersons - **Dr. Tapish Sahu, Dr. Gnaneshwar Atturu**

Preoperative Imaging in Aortic Aneurysms (Understanding CT/MRI interpretation for surgical planning, utilising Radiant software for 3D MPR, VRT, and graft sizing)

Dr Sidharth Viswanathan

Session 2: 1:30 PM - 2:30 PM

Session Co-ordinator - **Dr. Prajna Kota**
Chairpersons - **Dr. Ajay Savlania, Dr. Arunagiri V**

Optimisation Before Aortic Surgery and EVAR

- Cardiac Evaluation (When and how to assess Cardiac risk and high-risk clearance): **Dr. Bijulal Sasidharan**
- Pulmonary Optimisation (Role of PFTs and reducing chest-related morbidity): **Dr. Fathahudeen**
- Anaesthesia management and blood transfusion protocols (Fluids, clamping, lactate handling, ventilation, autologous transfusion, massive transfusion): **Dr. Saravana Babu**

Session 3: 2:30 PM - 3:20 PM

Session Co-ordinator - **Dr. Sunil Rajendran**
Chairpersons - **Prof. KS Neelakandan, Dr. VS Bedi**

Infra-Renal AAA Repair - Operative Video Walkthrough (Incision, exposure, proximal/distal control, clamp application, grafting, haemostasis):

Session 4: 3:20 PM - 4:10 PM

Session Co-ordinator - **Dr. Sunil Rajendran**
Chairpersons- **Dr. Robbie George,**
Dr. Sudhindran S

Juxtarenal AAA & IRAAA with CIA Aneurysm -
Video Walkthrough: **Dr. P. Shivanesan**

Tea Break: 4:10 PM - 4:20 PM

Session 5: 4:20 PM - 5:00 PM

Session Co-ordinator - **Dr. Sidharth Viswanathan**
Chairpersons - **Prof. Unnikrishnan M,**
Dr. Shivananda Siddappa

Suprarenal / Type IV TAAA Repair - Video
Walkthrough (Retroperitoneal exposure, Visceral
exposure, distal perfusion, visceral
reimplantation): **Prof R C Sreekumar**

Session 6: 5:00 PM - 5:40 PM

Session Co-ordinator - **Dr. Sidharth Viswanathan**
Chairpersons - **Dr. Dheepak Selvaraj,**
Dr Vineeth Kumar PM

Handling Ruptures (Basic resuscitation,
Emergency Supraceliac clamp/ DTA clamp):
Dr. Ajay Savlania

Mycotic aneurysm (Surgical principles,
reconstruction options): **Dr. P. Shivanesan**

Session 7: 5.40 PM - 6.30 PM

Session Co-ordinator - **Dr Rajesh Anto**
Chairpersons: **Prof M Unnikrishnan,**
Dr. Ajay Savlania, Dr. Chandra Sekhar C

Open House -Troubleshooting and Bailouts in
Aortic Surgeries: Case-Based Scenarios

Session 8: 6:30- 6:45 PM

Chairpersons: **Prof. RC Sreekumar, Dr. Sunil**
Rajendran,

Aortic Ultrasound for Vascular Surgeons:
Dr. Arunagiri V

Inauguration: 6:45 PM - 7.15 PM

7.30 PM: Dinner



Endovascular Aortic Day

DAY 2 26.07.2025

Learning Objectives:

- Case selection for EVAR and pre-operative evaluation
- Read the CT/MR angiography images and plan the intervention using datasheets and software.
- How to choose stent grafts and accessory hardware
- Be able to demonstrate deployment and procedural steps in simulation models
- Troubleshooting during EVAR procedures
- Management of the internal iliac artery and iliac aneurysms.

Session 9: 8:30 AM - 9.30 AM

Session Co-ordinator - **Dr. Afshan PT**

Chairperson - **Dr. Vivekanand V, Dr. Vimal Iype**

EVAR Planning Basics

What is 'good anatomy' (Pre-requisites on Aortic neck and landing Zones, Access, tortuosity index and angulations, bifurcation, access vessels):

Dr. Dheepak Selvaraj

Image-based EVAR planning (Using dedicated software for graft sizing, planning access, deployment strategies): **Mr. Balaji, Medtronic**

Session 10: 9:30 AM - 10:10 AM

Session Co-ordinator - **Dr. Ahsan V**

Chairpersons - **Dr. Muralikrishna N,
Dr. Prajna Kota**

Planning your EVAR tool kit

Stent graft devices (Basics of modular stent graft system- Endurant II, main body configurations, limb configurations, extension devices, AUI, Thoracic device - Valiant: **Dr Krishna Chaitanya**

Accessory hardware / Strategies for torturous and calcific iliacs (Wires, catheters, access sheaths etc.): **Dr Vijay Thakore**

10:10 AM - 10.30 AM Tea Break

Session 11: 10:30 AM - 11:40 AM

Session Co-ordinator - **Dr. Vimal Iype**

Chairpersons - **Dr. VS Bedi, Dr. Dheepak
Selvaraj**

- Step-by-Step EVAR (Video Walkthrough):
Dr. Murali Krishna N
- Step-by-Step TEVAR (Video Walkthrough):
Dr. Robbie George

Session 12: 11:40 AM - 12:30 PM

Session Co-ordinator - **Dr. Vimal Iype**

Chairpersons: **Dr. Arunagiri V,**
Dr. Narendranadh Meda

Management of concomitant CIA/IIA aneurysms (I/L IIA occlusion techniques, preservation techniques in B/L cases): **Dr. VS Bedi**

Management of late complications (Delayed endoleaks management, Graft migration/occlusion, when to decide on open conversion): **Dr. Raghu L Motaganahalli**

12:30 PM - 1:15 PM: Lunch

Session 13: 1:15 PM - 2:30 PM

Session Co-ordinator - **Dr. Vineeth Kumar PM**

Chairpersons - **Dr. Shivananda S, Dr. Krishna Chaitanya**

Management of Borderline neck anatomy (Short / angulated necks): **Dr. Sunder Narasimhan**

Planning proximal seal zone extension (How much to cover and the choice of strategy):
Dr. Harishankar Nair

Basics of Chimney and On-table Fenestration (Access planning, basic procedural steps, covered stents): **Dr. Narendranadh Meda**

Session 14: 2:30 PM - 3:30 PM

Session Co-ordinator - **Dr. Tom Thomas Kattoor**

Chairpersons: **Prof. M Unnikrishnan,**
Prof. RC. Sreekumar

Surgical Debranching

Abdominal debranching - Video Walkthrough (Medial and Lateral Visceral rotation, graft configurations): **Dr. Ajay Savlania**

Supra-aortic debranching - Video Walkthrough (Incision, exposures and tunnelled configurations): **Dr. P Shivanesan**

3:30 PM - 3:50 PM: Tea Break



Session 15: 3:50 PM to 4:30 PM

Session Co-ordinator - **Dr. Jayesh S**

Chairpersons - **Dr. Vimal Iype, Dr. Roma Paul**

- Performing Percutaneous EVAR (PEVAR) (Use of closure device with operative video steps, Perclose technique with Proglide. Manta devices): **Dr Murali Krishna N**
- When to choose Open repair vs EVAR for Infra-renal AAA: **Dr. Shivananda S**

Session 16: 4:30 PM to 5:30 PM

Session Co-ordinator - **Dr. Arunagiri V**

Chairpersons: **Dr. VS Bedi, Dr. Vijay Thakore, Dr. Krishna Chaitanya**

Open house: Troubleshooting and bailouts in EVAR / TEVAR - Case-based discussions

Assessment & Feedback:
5:30 PM - 6:00 PM

Closing remarks: 6:00 PM

Dinner: 7:30 PM

DAY 3
27.07.2025

Hands-on Workshops 09:00 AM - 01:00 PM

Venue: PRAN Hospital, Anayara, Trivandrum

Station 1

EVAR simulators on Mentis: **Dr. VS Bedi, Dr. Muralikrishna N, Dr. Dheepak Selvaraj, Dr. Vijay Thakore**

Station 2

EVAR Planning: **Dr. Robbie George, Dr. Narendranadh Meda**

Station 3

Open Aortic Repair: **Dr. Ajay Savlania, Dr. Vimal Iype, Dr. Shivanesan P, Dr. Sivanand S, Dr. Prajna Kota**

Station 4

Preclose technique with Proglide: **Dr. Sunder Narasimhan, Dr. Krishna Chaithanya**

USG Screening of the Abdominal Aorta:
Dr. Arunagiri V, Dr. Sunil Rajendran

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FACULTY PANEL

Dr. Ajay Salvania, PGIMER, Chandigarh
Dr. Arunagiri Viruthagiri, Kauvery Hospital, Trichy
Dr. VS Bedi, SGRH, Delhi
Dr. Bijulal SCTIMST, Thiruvananthapuram.
Dr. Chandra Sekhar C, Arete Hospital, Hyderabad
Dr. Deepak Selvaraj, CMC Vellore
Dr. Fathahudeen Govt Medical College, Thiruvananthapuram
Dr. Gnaneshwar Atturu, Aster Prime Hospital, Hyderabad
Dr. Harishankar Ramachandran Nair, St Thomas and Guys Hospital, UK
Dr. Krishna Chaitanaya, Aster Hospitals, Bengaluru
Dr. KS Neelakandan
Dr. Murali Krishna N, Jayadeva Institute, Bengaluru
Dr. Narendra Meda, KIMS Hospital, Hyderabad
Dr. Prajna Kota, SCTIMST, Thiruvananthapuram
Dr. Raghu Motanahalli, Indiana School of Medicine, USA
Dr. Rajesh Anto, Amala Hospital, Trichur
Dr. RC Sreekumar, Govt Medical College, Idukki
Dr. Robbie George, Narayana Health, Bengaluru
Dr. Saravana Babu SCTIMST, Thiruvananthapuram
Dr. Sidharth Viswanathan, AIMS, Kochi
Dr. Sivanand S, Jayadeva Institute, Mysore
Dr. Sivaneshan M, SCTIMST, Thiruvananthapuram
Dr. Sudhindran S
Dr. Sunder Narsimhan, Apollo Hospitals, Bengaluru
Dr. Sunil Rajendran, Starcare Hospital, Kozhikode
Dr. Tapish Sahu, Manipal Hospital, Delhi
Dr. Unnikrishnan M, SUT Hospital, Trivandrum
Dr. VJjay Thakore, Aadicura Hospitals, Vadodara.
Dr. Vimal lype, Lourdes Hospital, Kochi



ABOUT VASK

VASK (Vascular Society of Kerala) is a dedicated consortium of surgeons specializing in vascular and endovascular surgery. Established in 2011, the society is committed to raising awareness about vascular diseases - their prevention, early detection, and advanced treatment.

VASK serves as a collaborative platform for healthcare professionals from various specialties involved in vascular care. Through this multidisciplinary approach, the society promotes the exchange of knowledge and clinical experience, ultimately improving patient outcomes.

To further its mission, VASK organizes annual CMEs, hands-on workshops, and academic meetings, featuring distinguished faculty from across the country. These gatherings provide an opportunity to share the latest advancements, evidence-based practices & real world experiences in the field.

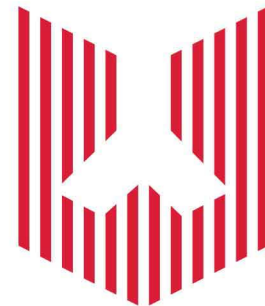
Working in close association with organizations like the Vascular Society of India, Association of Surgeons of India (ASI), and the Indian Medical Association (IMA), VASK is actively engaged in enhancing vascular health literacy among both the medical community and the public.

Our Vision

To ensure comprehensive vascular care for all and thereby reduce vascular disease related morbidity in the society.

Our Mission

Spread awareness about vascular diseases, it's prevention and treatment among general public and medical fraternity



VASK
Vascular Society Of Kerala

RECENT INITIATIVES



Calicut Anastomosis 2.0 Workshop

A hands-on vascular training workshop under VASK, in collaboration with Calicut Surgical Club, showcasing young surgeons actively participating in anastomosis techniques.

Mar 2 2025



Demystifying Deep Veins - Kochi 2024

India's first exclusive conference on deep vein interventions, held alongside the 9th Annual Vascular Society of Kerala conference. Experts engaged in high-level discussions and demonstrations.

Aug 30,31 2024



Vascular Anastomosis Workshop - Kochi

Focused training session on vascular suturing and technique refinement conducted by VASK and Amrita Hospital Kochi. Captures intense faculty-guided skill sessions.

Sep 1 2025



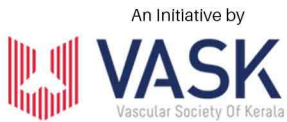
Amputation-Free India Walkathon

A massive public awareness event in association with Rotary Club Calicut HiLITE City. Participants marched in unity to promote limb salvage and vascular health.

Aug 7 2023



Supported by **Medtronic**



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