

MANAGEMENT of AORTIC RUPTURE BARCELONA

Bellvitge University Hospital, BARCELONA (Spain)
26-27 October 2026



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INTRODUCTION

Twelve vascular surgeons who will have to deal with the management of a ruptured aortic aneurysm (RAAA) are the target audience for the novel and exclusive MARB course. It is a 2-day course that seeks to cover all the details regarding a ruptured aneurysm.

LEARNING OBJECTIVES

The course aims to offer students the skills they need to manage the RAAA comprehensively and empower them. We also intend to provide students with the tools to create a program to improve RAAA management in their centre.

We will give students the resources needed to manage a RAAA effectively, allowing them to export and apply the information and behaviours they learned in their home country.

PROGRAMME DESCRIPTION

It is a twenty-hour face-to-face course distributed over two days of intense work.

The student collaborates with peers in small groups while being supervised by tutors who are subject matter experts. Due to the focused attention, the student can clarify questions in an ongoing, casual conversation.

It involves academic components as well as a practical application of learning by putting the student in the position of the instructor

During the mornings, we will review several theoretical aspects:

- **Haemodynamic RAAA approach:** We will discuss the main periods in patient management and how to behave in each circumstance with the assistance of an anaesthesiologist.
- **Radiological interpretation:** We will review multiple CT scans' results and share the critical tools that will allow the learner to read a CT angio accurately.
- **Vascular RAAA management:** Being assessed by experienced Vascular Surgeons and working on a simulator, we will see how to perform an efficient aortic clamping on a critical patient

- **Abdominal compartment syndrome management:** We will concentrate on abdominal compartment syndrome with the help of a general surgeon to understand how to identify and treat it.
- **Non-technical abilities:** We will introduce you to the non-technical skills that are useful in emergencies and are required for the team to perform well.

During the afternoons, we will move to two different scenarios:

- In the **dissection room**, we will begin with an anatomical overview of the aorta. The student will receive a review of the essential anatomy to perform atypical aortic approaches that may allow above the renal arteries or thoracic aortic clamp. It will be followed by a practical exercise with cadaver models to put the lessons learned into practice
- In the **hybrid operation room**, we will put AAAR management into practice. In the end, we will do a debriefing to review the team's development during the exercise

PARTICIPANT LEVEL

The target group are vascular surgeons with limited experience in RAAA management. Participants will work in teams of three based on prior experience.

REGISTRATION

The registration fee is **€950 for ESVS members** and €1200 for non-members. It includes course materials, coffees, lunches and a networking dinner on first night. Transport, accommodation and additional meals are not included.

REGISTRATION PROCESS & CANCELLATION POLICY

Please note that the course is dependent on final registration numbers. If the course is cancelled, an announcement will be made on the website no later than one calendar month before the course starts and all registrants will be informed. Travel and accommodation must therefore not be booked until this date has passed – ESVS is not financially responsible if the event has to be cancelled due to low numbers, in this timeframe. For cancellations received by participants more than 30 days before the event, a refund will be given less an administration fee of 10 EUR. For cancellations received less than 30 days before the event, no refund is possible.

HOTEL ACCOMODATION

Barcelona has a big offer of hotels. We recommend to book as early as possible to get better rates. The most convenient and closest hotel to the Hospital is Hesperia Barcelona Fira Suites.

<https://www.hesperia.com/en/hoteles/spain/barcelona/hotel-hesperia-barcelona-fira-suites>

Do you remember MARZ course?

9th Workshop
Management of Aortic Rupture
12 European CME credits by the European Accreditation CME

Hemodynamic
TEAM
Imaging
ACS
Procedures

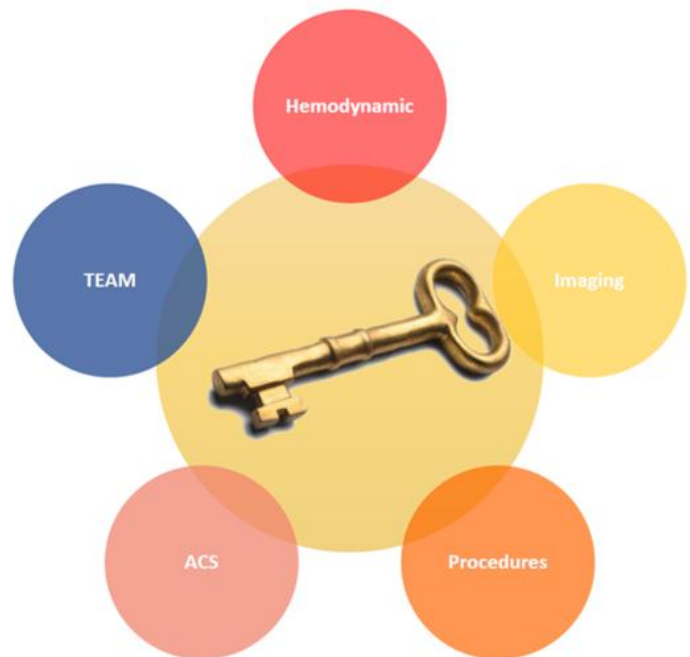
European Society for Vascular Surgery
December 7 - 9, 2019
University Hospital of Zurich
Clinic for Vascular Surgery Zurich,
Switzerland

COURSE DIRECTOR
Zoran Rancic

SCIENTIFIC ORGANIZING COMMITTEE
Alexander Zimmermann, Thomas Pfammatter, Gilbert Puijpe

ORGANIZING COMMITTEE
Nadja Buthelezi, Martin Steppacher

UniversityHospital Zurich
esys



Now imagine the MARZ evolution in Barcelona...here it is **MARB**:

Management of aortic rupture in Barcelona



Do you want to enhance your skills in managing ruptured abdominal aortic aneurysms (RAAA)?

Do you want to thoroughly understand RAAA management techniques?

Do you know how you could implement an RAAA program in your centre?

Have you ever trained in AAAR treatment with simulations in a hybrid

operating room?

Do you know different approaches to the aorta for emergency situations?

We are delighted to invite you to the ground-breaking MARB course—a once-in-a-lifetime chance for vascular surgeons to holistically improve their abilities in managing ruptured aortic aneurysms (RAAA).

This two-day program is meticulously designed to equip you with comprehensive knowledge and practical tools that can be applied in your practice immediately.

You will collaborate with several professionals to benefit from all available knowledge from various perspectives.

Haemodynamic RAAA Approach: Explore patient management strategies with input from anesthesiologists.

Radiological Interpretation: Master the art of interpreting CT scans accurately.

Vascular RAAA Management: Learn aortic clamping techniques through hands-on simulation.

Abdominal Compartment Syndrome: Understand identification and treatment with insights from a general surgeon.

Non-Technical Abilities: Develop crucial non-technical skills for emergencies and team performance.



Come to the dissection room and try alternative aortic approaches to save your patients.

You can also come to see our hybrid operating room and practice your skills during a simulation.



Learning Objectives

- Develop a thorough understanding of RAAA management techniques.
- Empower yourself with the skills required to handle RAAA cases effectively.
- Gain insights into creating and implementing a program to enhance RAAA management at your center.

Program Description

Duration: 20 hours over two intense days.

Format: Face-to-face sessions with small group collaboration and expert supervision.

Morning Sessions:

Haemodynamic RAAA Approach: Explore patient management strategies with input from anaesthesiologists.

Radiological Interpretation: Master the art of interpreting CT scans accurately.

Vascular RAAA Management: Learn aortic clamping techniques through hands-on simulation.

Abdominal Compartment Syndrome: Understand identification and treatment with insights from a general surgeon.

Non-Technical Abilities: Develop crucial non-technical skills for emergencies and team performance.

Afternoon Sessions:

Dissection Room: Delve into the anatomy of the aorta and practice atypical aortic approaches on cadaver models.

Hybrid Operation Room: Apply AAAR management techniques in a simulated environment, followed by a comprehensive debriefing.

Why MARB?

Expert Guidance: Benefit from the mentorship of experienced vascular surgeons and subject matter experts.

Practical Application: Move beyond theory with hands-on exercises in realistic scenarios.

Collaborative Learning: Engage with peers in small groups for personalised attention and ongoing discussions.

Secure your spot now to elevate your expertise in RAAA management.

Limited seats are available.

Don't miss your chance to be part of this transformative experience.

We look forward to welcoming you to the MARB course!

Day 1: 26 october

Hours	time	Subject	Professors
2h 30	8:00-8:30	Presentation: explain the course, divide: two groups 6 pax	Zoran Rancic & Elena Iborra
		Elena: general presentation 10 min	
		Participant presentation & divide groups	
	8:30-8:55	Haemodynamics: ANR	ANR: Raul Herrera, Irene tatjer
	8:55-9:20	EVAR Procedure	VS Begoña Gonzalo, Carlos Martinez
	9:20-9:45	RX	Rx: Esther Alba-Blanca Gener
	9:45-10:10	Abdominal Compartment Syndrome	Surg: Zoilo Madrazo
	10:10-10:35	Supraceliac approach for RAAA	VS: Raul Lara
10	10:35-10:45	COFFEE BREAK	
3h 30	10:45-11:45	Non technical skills	Simulation area: Miguel Fernandez Santana
	11:45-12:15	5 rotating stations Working on the basics	HD ANR: Raul Herrera, Irene tatjer
	12:15-12:45		EVAR VS Begoña Gonzalo, Carlos Martinez
	12:45-13:15		RX Rx: Esther Alba-Blanca Gener
	13:15-13:45		ACS Surg: Zoilo Madrazo
	13:45-14:15		OR VS: Raul Lara, Elena Iborra
45	14:15-15:00		LUNCH BREAK
4	15:00	Dissection group: two groups of 3 pax	
	15-15:45	Anatomical review	Anatomy professor: Ivan Macía
	15:45-19:00	Hands-on	Raul Lara, Toni Romera, Carol Herranz, Emma Espinar
4	15:00	Simulation group: two groups of 3 pax	
	15:00-15:30	Briefing	Elena Iborra
	15:30-16:30	simulation 1st group	Malka Huici
	16:30-17:00	Debriefing	Dorelly Martinez
	17:15-17:30	Briefing	Raul Herrera
	17:30-18:30	Simulation 2nd group	Irene Tatjer
	18:30-19:00	Debriefing	

Day 2: 27 october						
Hours	time	Subject	Professors			
2h 45	8:00-8:15	Presentation: explain the day, divide: four groups 3 pax	Elena Iborra			
	8:15-8:50	4 rotating stations YOU ARE THE TEACHER	HD	ANR: Raul Herrera, Irene tatjer		
	8:50-9:25		EVAR	VS Begoña Gonzalo, Carlos Martinez		
	9:25-10:00		ACS	Surg: Zoilo Madrazo		
	10:00-10:35		OR	VS: Raul Lara, Elena Iborra		
15	10:35-11:00	COFFEE BREAK				
3h 15	11:00-12:00	Practise in real cases	VS	Begoña Gonzalo, Carlos Martinez		
	12:00-13:00		VS	Ramon Vila, Raul Lara		
	13:00-14:15	Analyse workflow in every center-Let's Play RAAA	VS	Elena Iborra, Raul Lara		
45	14:15-15:00	LUNCH BREAK				
4	15:00	Dissection group: two groups of 3 pax				
	15-15:45	Anatomical review	Anatomy professor: Ivan Macía			
	15:45-19:00	Hands-on: 2 cadavers	Raul Lara, Toni Romera, Carol Herranz, Emma Espinar			
4	15:00	Simulation group: two groups of 3 pax				
	15:00-15:30	Briefing	Elena Iborra			Joan Pujol, Mireia Rovira
	15:30-16:30	simulation 1st group	Malka Huici			
	16:30-17:00	Debriefing	Dorelly Martinez			
	17:15-17:30	Briefing	Raul Herrera			
	17:30-18:30	Simulation 2nd group	Irene Tatjer			
	18:30-19:00	Debriefing				