



APPLICATION SAFETY

## ZÜRICH ANEURYSM CLIPPING COURSE

Hands-on and live microneurosurgery product training  
for safe application of AESCULAP® YASARGIL Aneurysm Clips

13 - 17 May 2022

In cooperation with:  
Department of Neurosurgery

**USZ** Universitäts  
Spital Zürich

Department of Anatomy



UNIVERSITÄTS  
KLINIKUM  
TÜBINGEN

Dear colleagues,

The clipping of a cerebral aneurysm requires a deep knowledge of the anatomy as well as excellent surgical skills. In a time where a substantial number of aneurysms is treated by endovascular methods, it becomes more challenging to gain and to improve the surgical skills necessary to clip an aneurysm. Therefore hands-on training on surgical models becomes even more important to learn the safe application of clips.

## PREFACE

This course concept was developed for consultants in vascular neurosurgery based on the experience of the Neurosurgical Department of the University Hospital Zurich in cooperation with the Aesculap Akademie. It provides an excellent opportunity to get both theoretical knowledge and practical training on the safe application of the Aesculap YASARGIL Aneurysm Clips. Different surgical approaches are explained and shown by the tutors and performed by the participants on cadaver models. Moreover, innovative surgical models such as perfused cadaver heads and placentas will be used to train the microdissection of vessels, of arachnoid and the safe clip application in a very realistic way. A newly developed virtual reality system will allow the participants to 'dive' into a patients head for getting a new perspective and even deeper understanding of the anatomy.

The Anatomical Institute of the University Tübingen offers a state-of-the art equipment for this hands-on course and an environment that stimulates interactions with the international faculty of renowned leaders in the field of aneurysm clipping.

After the hands-on part you have the unique opportunity to observe live surgery in the University Hospital Zurich and to see aneurysm surgery with YASARGIL aneurysm clips in the place where they were invented and initially used by Prof. M. Gazi Yasargil over 50 years ago.

We are looking forward welcoming you at this course.

Prof. Luca Regli, MD  
UniversitätsSpital Zürich

PD Giuseppe Esposito, MD, PhD  
UniversitätsSpital Zürich

Pirmin Lutz  
Aesculap AG

## PROGRAM

### DAY 1 | 13 MAY 2022 | TUTTLINGEN

10:30 am	Optional: Factory Tour Aesculap – Aneurysm Clip and Micro Instrument Production	
11:45 am	Portfolio Et Handling of AESCULAP® YASARGIL Aneurysm Clips	Lutz
12:15 pm	Lunch	
1:00 pm	Showroom Visit	Lutz
1:30 pm	Microsurgical pearls: The supratentorial cisterns	Esposito
1:45 pm	Pterional approach: The working horse of cerebrovascular surgery	Regli
2:00 pm	Latero-supraorbital and Minipterional approach: differences and similarities	Esposito
2:15 pm	Demonstration of the virtual reality system SpectoVR	
3:00 pm	Coffee break	
3:30 pm	Anterior clinoidectomy: When and how?	Esposito / Gruber / Regli
3:45 pm	Anterior interhemispheric approach	Esposito
4:00 pm	Overview hands-on part: set-up and choice of instruments	Lutz
4:15 pm	Common Travel to Tübingen	



## PROGRAM

### DAY 2 | 14 MAY 2022 | TÜBINGEN

8:00 am	Meeting Point / Transfer	
8:30 am	Introduction Et Welcome	<i>Regli</i>
8:40 am	Introduction Equipment Et Housekeeping	<i>Esposito/Lutz</i>
8:50 am	<b>1.1. Hands-on (approach)</b> ■ Interhemispheric approach and dissection of the pericallosal cisterns	<i>Esposito / Gruber / Regli</i>
10:15 am	<b>1.2. Hands-on (approach)</b> ■ Pterional approach and dissection of the parasellar cisterns	<i>Regli</i>
12:00 pm	<b>1.3. Hands-on (approach)</b> ■ Anterior clinoidectomy	<i>Regli</i>
1:00 pm	Lunch	
1:45 pm	Aneurysm Lectures: Clipping strategy and prevention / management of intra-op rupture ■ 1. Internal carotid artery aneurysms ■ 2. ACom and distal ACA aneurysms ■ 3. MCA aneurysms	<i>Gruber</i>
2:30 pm	Placenta model and clipping model: exercises (theory)	<i>Esposito</i>
3:00 pm	<b>2. Hands-on with AESCULAP® YASARGIL Aneurysm Clips (simulation)</b> ■ Simulation on placenta: dissection and safe aneurysm clipping ■ Simulation on perfused cadaver model: safe clipping ■ Simulation with SpectoVR system: anatomy	
6:00 pm	End of Day / Transfer Hotel	
7:30 pm	Course dinner	

## PROGRAM

### DAY 3 | 15 MAY 2022 | TÜBINGEN

8:00 am	Meeting point / Transfer	
8:30 am	Operative intracranial arterial anatomy: the cerebello-medullary cisterns	<i>Esposito/Gruber/Regli/Tatagiba</i>
8:50 am	Approaches to posterior fossa aneurysms: the suboccipital approach and its variations	<i>Tatagiba</i>
9:10 am	<b>3. Hands-on (approach)</b> ■ The suboccipital approach and its variations: dissection of cerebello-medullary cisterns	<i>Tatagiba</i>
12:30 pm	Lunch	
1:30 pm	Aneurysm Lectures: Clipping strategy and prevention / management of intra-op rupture ■ 1. Basilar tip and SCA aneurysms ■ 2. P2-P3 aneurysms	<i>Esposito/Gruber/Regli/Tatagiba</i>
2:15 pm	Placenta model and clipping model: exercises (theory)	<i>Esposito</i>
2:30 pm	<b>4. Hands-on with AESCULAP® YASARGIL Aneurysm Clips (simulation)</b> ■ Simulation on placenta: Dissection and safe aneurysm clipping ■ Simulation on perfused cadaver model: safe clipping ■ Simulation with SpectoVR system: anatomy	
5:30 pm	End of Day / Transfer Hotel	

During the 3 days  
in Tübingen  
3D anatomy  
session with  
SpectoVR system



## PROGRAM

### DAY 4 | 16 MAY 2022 | TÜBINGEN

- 8:00 am Meeting point / Transfer with luggage
- 8:30 am Case discussions
- 9:30 am Subtemporal approach *Gruber*
- 10:00 am **5.1. Hands-on (approach)** *Esposito*
- Latero-supraorbital or mini-pterional approach left and dissection parasellar cisterns
  - Simulation on perfused cadaver model: microsuturing and safe clipping
- 11:40 am **5.2. Hands-on (approach)** *Gruber*
- Subtemporal approach left and dissection parapeduncular cisterns
- 2:00 pm Summary and closing remarks
- 2:15 pm Lunch
- 3:15 pm Common travel to Zurich
- 6:00 pm Hotel Check-in
- 7:30 pm Course dinner in Zurich

### DAY 5 | 17 MAY 2022 | ZURICH (OPTIONAL)

- 7:15 am Meeting point / Transfer
- 7:30 am Case Discussion
- 8:15 am Preparation
- 8:30 am Live Surgeries
- Case 1: Lateral-supraorbital approach and aneurysm clipping with AESCULAP® YASARGIL Aneurysm Clips
  - Case 2: Intraoperative 3T MRI
- 11:45 am Debriefing Operation 1 and 2 & lunch
- 12:15 pm Live Surgeries
- Case 3: Pterional approach and aneurysm clipping with AESCULAP® YASARGIL Aneurysm Clips
  - Case 4: Minipterional approach and aneurysm clipping with AESCULAP® YASARGIL Aneurysm Clips
- 4:00 pm Debriefing Operation 3 & 4
- 4:30 pm Discussion: Summary and closure of the course

## INFORMATION

### COURSE DATE

■ 13 - 17 May 2022

### COURSE DIRECTOR

Prof. Luca Regli, MD  
Zurich | Switzerland

### COURSE CO-DIRECTOR

PD Giuseppe Esposito, MD, PhD  
Zurich | Switzerland

### FACULTY

Prof. Andreas Gruber, MD  
Linz | Austria

Prof. Marcos Tatagiba, MD  
Tübingen | Germany

### PRODUCT MANAGEMENT

Pirmin Lutz  
AESCULAP AG | Tuttlingen

### TRAINING MANAGEMENT

Manuela Bezela  
AESCULAP AG | Tuttlingen

## INFORMATION

### VENUES

#### ■ Theoretical Sessions:

AESCULAPIUM

Am Aesculap-Platz | 78532 Tuttlingen | Germany

#### ■ Practical Sessions:

University Hospital Tübingen

Department of Anatomy

Elfriede-Aulhorn-Straße 8 | 72076 Tübingen | Germany

#### ■ Clinical visit (optional, limited number of participants):

University Hospital Zurich

Department of Neurosurgery

Frauenklinikstraße 10 | 8091 Zurich | Switzerland

### ACCOMODATION

Hotel Ibis Styles

Friedrichstraße 20 | 72072 Tübingen | Germany

### HANDLING FEE

As this training course is a course for safe application of our products, B. Braun might cover the occurring costs (including lectures, workshops, hotel accommodation, food & beverages).

If you are interested that one of your healthcare professionals should participate at the course, we kindly ask to contact your B. Braun contact person for registration.

### ORGANIZATION

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## INFORMATION

### COMPLIANCE

We would like to inform you, that B. Braun – being a full member of Med Tech Europe – has adopted as well the Code of Ethical Business Practice. We are committed to the following guidelines for all the events that we organize centrally. We also apply these guidelines in the direct interaction with healthcare professionals irrespective of their nationalities. We are neither permitted to cover meals, nor travel, accommodation or other expenses for spouses or guests of healthcare professionals. The travelling schedule has also to be directly related to the event. We kindly ask you to bear that in mind. Please find attached the link to the relevant Code of Ethical Business Practice for further information. [https://www.medtecheurope.org/wp-content/uploads/2017/06/MedTech-Europe-Code-of-Ethical-Business-Practice-QA\\_December-1.pdf](https://www.medtecheurope.org/wp-content/uploads/2017/06/MedTech-Europe-Code-of-Ethical-Business-Practice-QA_December-1.pdf)

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For more information on data protection at the Aesculap Academy, please visit our [website](#).

The Aesculap Academy is one of the leading medical forums for everyone who is professionally, passionately and ambitiously committed to people's health. To those medical professionals we offer top quality knowledge transfer based on globally recognized quality criteria using innovative methods and technologies.

## DIALOG – DEDICATED TO LIFE.

The Aesculap Academy has its roots in the company B. Braun, which has been protecting and improving people's health for more than 175 years. With our courses, hands-on trainings and symposia we help to honor our parent company's promise of Sharing Expertise.

The courses at the Aesculap Academy offer participants who want to continue to learn in an inspiring environment knowledge transfer and teaching that are adapted to real life: lifelong learning, true-to-life training situations and realistic content for a better life for patients and medical staff.

AESCULAP ACADEMY – a B. Braun company

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