

# WFITN Neurovascular Anatomy Course 2026



**Date: June 15<sup>th</sup> to 18<sup>th</sup> 2026**

**Venue: University Hospital Zurich**

An advanced Anatomy Course for neuroendovascular specialists and instructors. Join us at the University of Zurich, Switzerland, to master the cutting-edge anatomy essential for neuroendovascular surgery!

**Course Director: Michihiro Tanaka (Japan)**

**Local Director: Zsolt Kulcsar (Zurich), Co-Director: Shakir Husain (India)**

Lecturers : Georges Rodesch (France), Philippe Mercier (France)

Philippe Gailloud (U.S.), Diego San-Millan (Sion), Luca Regli (Zurich),

Tilman Schubert (Zurich), Patrick Thurner (Zurich), Keisuke Kadooka (Japan)



**WFITN**

World Federation of Interventional  
and Therapeutic Neuroradiology

**USZ** Universitäts  
Spital Zürich

# WFITN Neurovascular Anatomy Course in Zurich

World Federation of Interventional and Therapeutic Neuroradiology

June 15-18, 2026 | Zurich, Switzerland

## Day 1 - June 15, 2026

| Time        | Session & Topic   | Lecturer         |
|-------------|---|------------------|
| 09:00-09:20 | Welcome and Introduction  | Michihiro Tanaka |
| 09:20-09:45 | <b>Session 1:</b> Functional vascular anatomy of the musculocutaneous arteries of the head                | Patrick Thurner  |
| 09:45-09:50 | Q&A   |                  |
| 09:50-10:15 | <b>Session 2:</b> Cranio-cervical junction and pharyngo-occipital system (OA-Ascending Pharyngeal artery) | Shakir Husain    |
| 10:15-10:20 | Q&A   |                  |
| 10:20-10:45 | <b>Session 3:</b> Functional vascular anatomy of the nasal fossa and maxillary area                       | Zsolt Kulcsar    |
| 10:45-10:50 | Q&A   |                  |
| 10:50-11:10 | <i>Coffee Break</i>   |                  |
| 11:10-11:35 | <b>Session 4:</b> Surgical 3D Vascular Anatomy of the cranio-cervical junction                            | Philippe Mercier |
| 11:35-11:40 | Q&A   |                  |
| 11:40-12:05 | <b>Session 5:</b> Cranial nerve arterial supply   | Tilman Schubert  |
| 12:05-12:10 | Q&A   |                  |

| Time        | Session & Topic  | Lecturer                          |
|-------------|--|-----------------------------------|
| 12:10-12:35 | <b>Session 6:</b> Functional vascular anatomy of the Middle Meningeal Artery               | Michihiro Tanaka                  |
| 12:35-12:40 | Q&A  |                                   |
| 12:40-13:40 | <i>Lunch</i>   |                                   |
| 13:40-15:10 | <b>Workshop 1 (Case study): MMA embolization and tumor embolization</b>                    | <b>Two classes / Two lectures</b> |
| 15:10-15:30 | <i>Coffee Break</i>  |                                   |
| 15:30-16:40 | <b>Workshop 2 (Case study): OA-Ascending Pharyngeal artery (Presented by participants)</b> | <b>Two classes / Two lectures</b> |

## Day 2 - June 16, 2026

| Time        | Session & Topic   | Lecturer          |
|-------------|---|-------------------|
| 09:00-09:25 | <b>Session 7:</b> Embryology and Anatomy of the ICA including the Circle of Willis                              | Shakir Husain     |
| 09:25-09:30 | Q&A   |                   |
| 09:30-09:55 | <b>Session 8:</b> Cerebral Arterial Territories: From Pipes to Genes  | Georges Rodesch   |
| 09:55-10:00 | Q&A   |                   |
| 10:00-10:25 | <b>Session 9:</b> Surgical 3D Anatomy of the cavernous sinus  | Philippe Mercier  |
| 10:25-10:50 | <b>Session 10:</b> Surgical 3D anatomy of the orbit   | Philippe Mercier  |
| 10:50-10:55 | Q&A   |                   |
| 10:55-11:15 | <i>Coffee Break</i>   |                   |
| 11:15-11:40 | <b>Session 11:</b> Ophthalmic artery: Associated Arterial Variations and Dangerous Anastomoses                  | Zsolt Kulcsar     |
| 11:40-11:45 | Q&A   |                   |
| 11:45-12:10 | <b>Session 12:</b> ICA-ECA-VA anastomosis   | Michihiro Tanaka  |
| 12:10-12:15 | Q&A   |                   |
| 12:15-12:40 | <b>Session 13:</b> The anterior Choroidal artery and posterior cerebral artery: Embryology, anatomy, variations | Philippe Gailloud |
| 12:40-12:45 | Q&A   |                   |
| 12:50-13:50 | <i>Lunch</i>  |                   |

| Time        | Session & Topic  | Lecturer                          |
|-------------|--|-----------------------------------|
| 13:50-14:15 | <b>Session 14:</b> MCA, ACA, Recurrent artery of Heubner, Perforators                      | Tilman Schubert                   |
| 14:15-14:20 | Q&A  |                                   |
| 14:30-15:30 | <b>Workshop 3 (Case study): Ischemic stroke case, aneurysm associated with perforators</b> | <b>Two classes / Two lectures</b> |
| 15:30-15:50 | <i>Coffee Break</i>  |                                   |
| 15:50-16:40 | <b>Workshop 4 (Case study presented by participants)</b>                                   | <b>Two classes / Two lectures</b> |

## Day 3 - June 17, 2026

| Time        | Session & Topic  | Lecturer         |
|-------------|--|------------------|
| 09:00-09:25 | <b>Session 15:</b> Surgical 3D anatomy of the basilar artery and perforators               | Philippe Mercier |
| 09:25-09:30 | Q&A  |                  |
| 09:30-09:55 | <b>Session 16:</b> Functional Vascular Anatomy of the Posterior Fossa                      | Georges Rodesch  |
| 09:55-10:00 | Q&A  |                  |
| 10:00-10:25 | <b>Session 17:</b> AICA, PICA, Persistence of Primitive Lateral Basilovertbral Anastomosis | Shakir Husain    |
| 10:25-10:50 | <i>Coffee Break</i>  |                  |
| 10:50-11:15 | <b>Session 18:</b> Collateral vessels to the brain: from duroptial to piodural             | Michihiro Tanaka |
| 11:15-11:20 | Q&A  |                  |
| 11:20-11:45 | <b>Session 19:</b> Dural sinuses and the Supratentorial venous system                      | Diego San Millan |
| 11:45-11:50 | Q&A  |                  |
| 11:50-12:15 | <b>Session 20:</b> Infratentorial Dural Sinuses and Associated Venous System               | Patrick Thurner  |
| 12:15-12:20 | Q&A  |                  |
| 12:20-12:45 | <b>Session 21:</b> Cavernous Sinus and anterior condylar confluence                        | Diego San Millan |
| 12:45-12:50 | Q&A  |                  |
| 12:50-13:50 | <i>Lunch</i>   |                  |

| Time        | Session & Topic  | Lecturer                          |
|-------------|--|-----------------------------------|
| 13:50-14:15 | <b>Session 22:</b> Medullary venous system of the neopallium and ventricle | Keisuke Kadooka                   |
| 14:15-14:20 | Q&A  |                                   |
| 14:30-15:30 | <b>Workshop 5 (Case study): Venous system</b>                              | <b>Two classes / Two lectures</b> |
| 15:30-15:50 | <i>Coffee Break</i>  |                                   |
| 15:50-16:40 | <b>Workshop 6 (Case study presented by participants)</b>                   | <b>Two classes / Two lectures</b> |

## Day 4 - June 18, 2026

| Time        | Session & Topic  | Lecturer          |
|-------------|--|-------------------|
| 09:00-09:25 | <b>Session 23:</b> Arterial anatomy of the spine and spinal cord   | Philippe Gailloud |
| 09:25-09:30 | Q&A  |                   |
| 09:30-09:55 | <b>Session 24:</b> Venous anatomy of the spine and spinal cord     | Philippe Gailloud |
| 09:55-10:00 | Q&A  |                   |
| 10:00-10:25 | <i>Coffee Break</i>  |                   |
| 10:25-10:50 | <b>Session 25:</b> Surgical Anatomy of the insular cortex          | Luca Regli        |
| 10:50-11:15 | <b>Session 26:</b> Surgical Anatomy of the interpeduncular cistern | Luca Regli        |
| 11:15-11:20 | Q&A  |                   |
| 11:30-12:10 | <b>Achievement Examination (40 questionnaires)</b>                 |                   |
| 12:20-12:30 | <i>End of the course</i>   |                   |

## Topics by Lecturer

### Michihiro Tanaka (4 topics)

Director of Neurosurgery, Neuroendovascular Surgery and Spinal Surgery, Kameda Neuro Center, Kameda Medical Center, Japan

Past President of WFITN (2022-2024)

- Welcome and Introduction
- Functional vascular anatomy of the Middle Meningeal Artery

- ICA-ECA-VA anastomosis
- Collateral vessels to the brain: from duroplial to piodural

## Philippe Mercier (4 topics)

*Director of Laboratoire d'anatomie, University of Angers, Angers, France*

- Surgical 3D Vascular Anatomy of the cranio-cervical junction
- Surgical 3D Anatomy of the cavernous sinus
- Surgical 3D anatomy of the orbit
- Surgical 3D anatomy of the basilar artery and perforators

## Shakir Husain (3 topics)

*Director Neurointervention & Stroke, Baby Memorial Hospital, Kerala, India*

- Cranio-cervical junction and pharyngo-occipital system (OA-Ascending Pharyngeal artery)
- Embryology and Anatomy of the ICA including the Circle of Willis
- AICA, PICA, Persistence of Primitive Lateral Basilovertebral Anastomosis

## Philippe Gailloud (3 topics)

*Director of Interventional Neuroradiology, Johns Hopkins School of Medicine, Baltimore, U.S.*

- The anterior Choroidal artery and posterior cerebral artery: Embryology, anatomy, variations
- Arterial anatomy of the spine and spinal cord
- Venous anatomy of the spine and spinal cord

## Patrick Thurner (2 topics)

*Attending Doctor of Neuroradiology, University Hospital of Zurich, Switzerland*

- Functional vascular anatomy of the musculocutaneous arteries of the head
- Infratentorial Dural Sinuses and Associated Venous System

## Zsolt Kulcsar (2 topics)

*Director of Neuroradiology, University Hospital of Zurich, Switzerland*

- Functional vascular anatomy of the nasal fossa and maxillary area
- Ophthalmic artery: Associated Arterial Variations and Dangerous Anastomoses

## Tilman Schubert (2 topics)

*Assistant Professor of Neuroradiology, University Hospital of Zurich, Switzerland*

- Cranial nerve arterial supply
- MCA, ACA, Recurrent artery of Heubner, Perforators

## Georges Rodesch (2 topics)

*Director of Neuroradiology, Hospital Foch, Suresnes, Ile-de-France, France  
Past President of WFITN (2013-2015)*

- Cerebral Arterial Territories: From Pipes to Genes
- Functional Vascular Anatomy of the Posterior Fossa

## Diego San Millan (2 topics)

*Head of the Neuroradiology unit at the Valais Hospital in Sion, Switzerland*

- Dural sinuses and the Supratentorial venous system
- Cavernous Sinus and anterior condylar confluence

## Luca Regli (2 topics)

*Director of Neurosurgery, University Hospital of Zurich, Switzerland*

- Surgical Anatomy of the insular cortex
- Surgical Anatomy of the interpeduncular cistern

## Keisuke Kadooka (1 topic)

*Chief of Neuroendovascular Surgery, Kameda Medical Center, Japan*

- Medullary venous system of the neopallium and ventricle