



Adrenaline & Repair

Complication Management in Neurosurgery

International Course and Conference | June 23–25, 2022

Klagenfurt, Austria

CONFERENCE PROGRAM

Scientific Board:

Thomas Kretschmer, MD, PhD, IFAANS

Dir. Dept. of Neurosurgery & Neurorestoration,
Klinikum Klagenfurt, Klagenfurt, Austria

www.adrenaline-repair.at



KABEG



Dear colleagues,

I am delighted to invite you to a unique course and conference in Klagenfurt/Austria, the heart of beautiful Carinthia. Expect a three day event that sets new standards in strive for improving neurosurgical performance by combining surgical training and exchange with performance psychology and exciting outdoor activities.



Take a look at the schedule of this unforgettable event
and save your spot on www.adrenaline-repair.at

Klagenfurt/Austria is a place that faculty and participants can enjoy in multiple ways. We highly recommend to extend your stay and tour the environment and landscape of the alpe-adriatic area.

Klagenfurt borders to Italy and Slovenia, two hours from the Mediterranean Sea, four hours to Venice, situated between the Alps and the Karawanken. It is a hiking and biking eldorado known for its crystal clear lakes, the largest of them, the Wörthersee, right at the city borders. Vienna, Salzburg and Venice are close by. Our approach is different and we are confident to constitute a new training and exchange platform with your help.

See you in Klagenfurt on June 23–25, 2022

Yours

Thomas Kretschmer, MD, PhD, IFAANS

Dir. Dept. of Neurosurgery & Neurorestoration
Klinikum Klagenfurt, Klagenfurt, Austria

Conference Director:
Thomas Kretschmer

Conference Secretaries:
Alexandra Resch & Jakob Kraschl

Organization/Promotion:
Förderverein Neurochirurgie Klagenfurt – FNK

GENERAL INFORMATION

General Information & Prices

Date:

June 23–25, 2022

Place:

Klinikum Klagenfurt am Wörthersee
Feschnigstraße 11
9020 Klagenfurt am Wörthersee

Scientific Board:

Thomas Kretschmer, MD, PhD, IFAANS
Dir. Dept. of Neurosurgery & Neurorestoration
Klinikum Klagenfurt, Austria

Prices:

Normal Price	EANS-Member
EUR 840.00	EUR 720.00

Limited number of participants!

Registration required!

Cancellation free of charge up to 4 weeks before the event is possible. After that, the full participation fee must be paid in case of cancellation.

Congressmanagement:

convention.group
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2380 Perchtoldsdorf
Donauwörther Straße 12/1
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Approbation:

22 Medical Points (DFP) from the Medical Association of Austria

SCIENTIFIC & TRAINING PROGRAM DAY 1 | JUNE 23

Foundation & Nerve

Lecture room | 1st floor main entrance

08:00–12:15 HOW TO IMPROVE SURGICAL PERFORMANCE UNDER ACUTE STRESS

08:00–08:15 WELCOME & INTRODUCTION

Wolfgang Schantl | KABEG, **Dietmar Alberer** & **Thomas Kretschmer** | Klinikum Klagenfurt

08:15–10:15 PERFORMANCE UNDER ACUTE STRESS – WHAT CAN WE LEARN FROM HIGH PERFORMANCE ATHLETES?

Keynote lectures, Q & A, discussion

Endurance, stress & fighting panic | pain-breathing & awareness | risk analysis & management | improving concentration | reducing recuperation time | remaining in control of the situation

Christian Redl | Apnoe diver and multiple world record holder e.g. deep & under ice, Austria

Clutch performance – higher performance levels and flow

Thomas Brandauer | Former high performance endurance athlete, sports psychologist, Olympic Center Carinthia & Klagenfurt University, Austria

AD HOC TOPICS, Q & A

Faculty & participants, Moderation: **Thomas Kretschmer**

Quick start: breathing for focus & easing, techniques „dry lab“

Christian Redl | Apnoe diver and multiple world record holder e.g. deep & under ice, Austria

10:15–10:45 COFFEE & TEA Time for visiting the industrial exhibition

10:45–12:15 CAN YOU PREPARE TO MASTER ACUTE COMPLICATIONS?

Keynote lectures, Q & A, discussion

How I prepare for difficult cases | Lessons I learnt

Keki Turel | Chair WFNS Committee on Complications in Neurosurgery, Emeritus Chair Dept. Neurosurgery Bombay/Mumbai, Past President Neurological Society of India, India

Martin Ortler | Chairman, Department of Neurosurgery, Landstrasse Municipal Hospital, Vienna Healthcare Network, Vienna, Austria

Fernando Guedes | Div. of Neurosurgery Gaffree e Guinle University Hospital, Fed. University of Rio de Janeiro, Brazil

SCIENTIFIC & TRAINING PROGRAM DAY 1 | JUNE 23

Foundation & Nerve

12:15–13:00 **LUNCH** Aisle in front of hands-on-rooms, same floor as industrial exhibition

13:00–14:30 **IATROGENIC NERVE LESIONS & REPAIR****Overview iatrogenic nerve lesions**

Lukas Rasulic | Head Dept. Peripheral Nerve & Functional Neurosurgery, President Serbian & Southeast Europe Neurosurgical Society, Chair EANS Global & Humanitarian Committee, Serbia

Plexus associated complications & positioning lesions

Christian Heinen | Head Neuro, Spine & Nerve Surgery, Christliches Krankenhaus Quakenbrück, PN Section Chair EANS, Germany

PN tu mishaps & repair (incl. intraabdominal)

Fernando Guedes | Div. of Neurosurgery Gaffree e Guinle University Hospital, Fed. University of Rio de Janeiro, Brazil

Preventing CN damage & repair – from I to XII, peculiarities, tips and tricks

Thomas Kretschmer | Dir. Dept. Neurosurgery & Neurorestoration, Klinikum Klagenfurt, Klagenfurt, Austria

MY WORST CASE – SURGICAL NIGHTMARES & FREE PAPERS

Keki Turet | Faculty & participants

AD HOC TOPICS, Q & A

Faculty & participants

14:30–18:00 **ADRENALINE RELATED ACTIVITIES** **Optional** (pre-register)

18:30–22:00 **AFTER WORK MEETING** **Optional**

For details please contact caroline.mehler@conventiongroup.at

SCIENTIFIC & TRAINING PROGRAM DAY 2 | JUNE 24

Vascular, Cerebral & Free Papers

Lecture room | 1st floor main entrance

08:00–12:15 **COMPLICATIONS & MANAGEMENT IN VASCULAR & CRANIAL NEUROSURGERY: MORNING SESSION**08:00–10:15 **VASCULAR****Vascular suture and sealing techniques – tricks & pitfalls**

Kartik Krishnan | Head section Neurosurgery, Klinikum Bad Soden, Germany

Suturing intracranial vessels from 1–6 mm acutely – prerequisites, systematic management and chances

Kartik Krishnan | Head section Neurosurgery, Klinikum Bad Soden, Germany

Suturing extracranial vessels & repair techniques – from preparation to suture and heparinization

Wolfgang Wandschneider, Robert Peteani & local team | Dir. & Cons, Dept. Cardiothoracic Surgery, Klinikum Klagenfurt, Klagenfurt, Austria

Suturing the extracranial carotid acutely

Wolfgang Wandschneider, Robert Peteani & local team | Dir. & Cons, Dept. Cardiothoracic Surgery, Klinikum Klagenfurt, Klagenfurt, Austria

Instant intracranial vessel mishaps – things to do & acute repair, discussion, Q & A

Jan Regelsberger | discussion heater & all faculty

CRANIAL & SKULLBASE**Transnasal approaches – endoscopy, cases**

Julius July | Dept. Neurosurgery, Assistant Dean Edu, University Pelita Harapan, Neuroscience Center Siloam Hospital, Tangerang/Jakarta, Indonesia

Complications & management anterior cranial fossa lesions

Ralph König | Chief Attending, Dept. Neurosurgery, Ulm University, Germany

Anatomy prone to complications: inside middle cranial fossa – vulnerable structures & variants

Peter A. Winkler | Em. Professor and Chairman - Visiting Professor Researcher at the Berlin Charité Neurosurgery, Germany

SCIENTIFIC & TRAINING PROGRAM DAY 2 | JUNE 24

Vascular, Cerebral & Free Papers

CRANIAL & SKULLBASE

Temporal lobe surgery-pitfalls and avoidance of complications

Martin Ortler | Chairman, Department of Neurosurgery, Landstrasse Municipal Hospital, Vienna Healthcare Network, Vienna, Austria

Anatomy prone to complications: inside posterior cranial fossa – vulnerable structures & variants

Peter A. Winkler | Em. Professor and Chairman - Visiting Professor Researcher at the Berlin Charité Neurosurgery, Germany

Vestibular schwannoma-pitfalls and avoiding cranial nerve deficit

Jan Regelsberger | Dir. Dept. Neurosurgery, Diakonissen Krankenhaus, Flensburg, Germany

10:15–10:45 **COFFEE & TEA** Time for visiting the industrial exhibition

10:45–12:15 **VASCULAR**

Inadvertent intraoperative aneurysm rupture & MCA the easy and not so easy

Jan Regelsberger | Dir. Dept. Neurosurgery, Diakonissen Krankenhaus, Flensburg, Germany

Complications & management of DAVF & AVM

Jan Regelsberger | Dir. Dept. Neurosurgery, Diakonissen Krankenhaus, Flensburg, Germany

Iatrogenic venous sinus lesions – overview, repair & bailout techniques

Martin Ortler | Chairman, Department of Neurosurgery, Landstrasse Municipal Hospital, Vienna Healthcare Network, Vienna, Austria

Induced cardiac standstill & temporary clipping – the anesthetist's perspective

Rudolf Likar & Ursula Morianz-Kühnel | Dir. & Cons. Dept. Anesthesiology, Intensive care & center for interdisciplinary pain management, Klinikum Klagenfurt, Klagenfurt, Austria

Induced cardiac standstill & temporary clipping – the neurosurgeon's perspective

Jürgen Konzalla | Vice chair, Dept. of Neurosurgery, University of Frankfurt, Germany

Acute endovascular intervention for intracranial carotid lesion – emergent treatment path and time course

Klaus Hausegger & Luca de Paoli | Dir. & Cons. Institute for Diagnostic & Interventional Radiology, Klinikum Klagenfurt, Klagenfurt, Austria

Constrained Coagulation

Jürgen Konzalla | Vice chair, Dept. of Neurosurgery, University of Frankfurt, Germany

12:15–13:15 **LUNCH** Aisle in front of hands-on-rooms, same floor as industrial exhibition

12:15–13:15 **PARALLEL: "HANDS ON" ROOMS 1–3**

Aisle in front of hands-on-rooms same floor as industrial exhibition

Room 1

Vascular-suturing, anastomosis & instrument handling

Dry lab & pearls | K. Krishnan, J. Regelsberger, K. Turel, H. Rauter, J. Kraschl, T. Kretschmer

Room 2

Spine-regular and bailout techniques

Saw bone & pearls | M. Mahan, M. Koller, A. Resch, F. Cretu, D. Soldo, T. Kretschmer

Room 3

Nerve-suturing & instrument handling

Dry lab & pearls | L. Rasulic, M. Mahan, Ch. Heinen, F. Guedes, K. Krishnan, J. Kraschl, T. Kretschmer

SCIENTIFIC & TRAINING PROGRAM DAY 2 | JUNE 24

Vascular, Cerebral & Free Papers

13:15–14:30 COMPLICATIONS & MANAGEMENT IN VASCULAR & CRANIAL NEUROSURGERY: AFTERNOON SESSION

CRANIAL & SKULLBASE

Inaccuracy in neuronavigation – Pitfalls and rescue strategy

Thomas Schmidt | Dept. Neurosurgery, Oldenburg University, Oldenburg, Germany

Complication avoidance using intraoperative Ultrasound

Ralph König | Chief attending, Dept. Neurosurgery, Ulm University, Germany

MY WORST CASE – SURGICAL NIGHTMARES & FREE PAPERS

Keki Turel | Faculty & participants

AD HOC TOPICS, Q & A

Faculty & participants

Intra op ICA rupture during chordoma surgery

Keki Turel | Chair WFNS Committee on Complications in Neurosurgery, Emeritus Chair Dept. Neurosurgery Bombay/Mumbai, Past President Neurological Society of India, India

Intra op BA rupture during chordoma surgery

Keki Turel | Chair WFNS Committee on Complications in Neurosurgery, Emeritus Chair Dept. Neurosurgery Bombay/Mumbai, Past President Neurological Society of India, India

Catastrophic outcome following „trivial“ transverse sinus injury during tentorial meningioma excision

Keki Turel | Chair WFNS Committee on Complications in Neurosurgery, Emeritus Chair Dept. Neurosurgery Bombay/Mumbai, Past President Neurological Society of India, India

14:30–18:30 ADRENALINE RELATED ACTIVITIES **Optional** (pre-register)19:30–22:00 AFTER WORK MEETING **Optional**

For details please contact caroline.mehler@conventiongroup.at

SCIENTIFIC & TRAINING PROGRAM DAY 3 | JUNE 25

Spine & Free Papers

Lecture room | 1st floor main entrance

08:00–12:30 COMPLICATIONS AND MANAGEMENT IN SPINAL SURGERY: MORNING SESSION

APPROACHES AND LESIONS

Complications & management of anterior cervical spine approaches

Mark Mahan | Dept. Neurosurgery, University of Utah, USA

Complications & management at cranio-cervical junction

Mark Mahan | Dept. Neurosurgery, University of Utah, USA

Complications & management in ant & lateral approaches, thoracic and lumbar

Michael Koller | Spine Center Sanatorium Kettenbrücke, Innsbruck, Austria

Wrong level spinal surgery – how to avoid it & how to manage it when it happens

Michael Koller | Spine Center Sanatorium Kettenbrücke, Innsbruck, Austria

Concepts for the chronically open back incl. free and local flaps

Matthias Rab & Maximilian Neuwirth | Dir. & Cons Dept. Plastic, Aesthetic & Rec Surgery, Klinikum Klagenfurt, Austria

Nerve complications in surgery on the neck

Eric Zager | Perelman School of Medicine, Dept. of Neurosurgery, University of Pennsylvania, USA

10:15–10:45 COFFEE & TEA Time for visiting the industrial exhibition

10:45–12:30 KEYNOTE: Complications: Ethics, Morals and Legalities

Keki Turel | Chair WFNS Committee on Complications in Neurosurgery, Emeritus Chair Dept. Neurosurgery Bombay/Mumbai, Past President Neurological Society of India, India

MY WORST CASE – SURGICAL NIGHTMARES & FREE PAPERS

Keki Turel | Faculty & participants

SCIENTIFIC & TRAINING PROGRAM DAY 3 | JUNE 25

Spine & Free Papers



AD HOC TOPICS, Q & A

Faculty & participants

Hoarseness following ACDF

Keki Turel | Chair WFNS Committee on Complications in Neurosurgery, Emeritus Chair Dept. Neurosurgery Bombay/Mumbai, Past President Neurological Society of India, India

12:30–13:15 LUNCH Aisle in front of hands-on-rooms, same floor as industrial exhibition

12:30–13:30 PARALLEL: "HANDS ON" ROOMS 1–3

Aisle in front of hands-on-rooms same floor as industrial exhibition

Room 1

Vascular-suturing, anastomosis & instrument handling

Dry lab & pearls | K. Turel, H. Rauter, J. Kraschl, T. Kretschmer

Room 2

Spine-regular and bailout techniques

Saw bone & pearls | M. Mahan, M. Koller, A. Resch, F. Cretu, D. Soldo, T. Kretschmer

Room 3

Nerve-suturing & instrument handling

Dry lab & pearls | L. Rasulic, M. Mahan, Ch. Heinen, F. Guedes, J. Kraschl, T. Kretschmer

13:30–15:00 COMPLICATIONS IN SPINAL SURGERY: AFTERNOON SESSION SPINE

VASCULAR INJURY

Vascular injury in spinal instrumentation & dorsal approaches to the spine

Michael Koller | Spine Center Sanatorium Kettenbrücke, Innsbruck, Austria

Acute endovascular intervention for abdominal/iliac vessel injury – action chain & time course

Klaus Hausegger & Luca de Paoli | Dir. & Cons, Institute for Diagnostic & Interventional Radiology, Klinikum Klagenfurt, Klagenfurt, Austria

Major vascular injury during dorsal spine approaches – different scenarios & emergent treatment algorithm

J. Kraschl | Dept. Neurosurgery & Neurorestoration, Klinikum Klagenfurt, Klagenfurt, Austria
K. Klerin/M. Andrä/R. Peteani | Dir. & Cons, Dept. Cardiothoracic Surgery, Klinikum Klagenfurt, Klagenfurt, Austria

MY WORST CASE – SURGICAL NIGHTMARES & FREE PAPERS

(short flash presentations)

Keki Turel | Faculty & participants

AD HOC TOPICS, Q & A

Faculty & participants

FREE PAPERS

15:00 CONCLUSION & FAREWELL

Thomas Kretschmer

ADRENALINE RELATED ACTIVITIES

Optional after the Scientific Program (suggestions)

June 23, 2022

Sailing Wörthersee with Olympic games participant/worldchamp silver medalist
Niko Resch

Intro to breathing techniques by world champ in Apnoe diving Christian Redl

Adventure Park Waldseilpark with 600 m Tscheppe Gorge traverse

Canyoning at the Tscheppe Gorge

Stand-up Paddling

(Not included in the registration fee – payment Directly at the activity-providers).

June 24, 2022

Sailing Wörthersee with Olympic games participant/worldchamp silver medalist
Niko Resch

1 hour Fight Club – an intro to Brazilian Jiu Jitsu

Adventure Park Waldseilpark with 600 m Tscheppe Gorge traverse

Canyoning at the Tscheppe Gorge

Stand-up Paddling

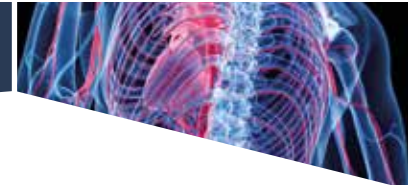
Tandem Paragliding

(Not included in the registration fee – payment Directly at the activity-providers).

For further information or activity-possibilities please contact:

caroline.mehler@conventiongroup.at

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Faculty

Thomas Brandauer

former high performance endurance athlete, Sports Psychologist, Olympic Center Carinthia & Klagenfurt University, Austria

Fernando Guedes

Div. of Neurosurgery Gaffree e Guinle University Hospital, Fed. University of Rio de Janeiro, Brazil

Martin Guggi

Klagenfurt Flowing Arts (Fight Club session), Austria

Christian Heinen

Head Neuro, Spine & Nerve Surgery, Christliches Krankenhaus Quakenbrück, PN Section Chair EANS, Germany

Julius July

Dept. Neurosurgery, Assistant Dean Edu, University Pelita Harapan, Neuroscience Center Siloam Hospital Tangerang/Jakarta, Indonesia

Ralph König

Chief attending, Dept. Neurosurgery, Ulm University, Germany

Michael Koller

Spine Center Sanatorium Kettenbrücke, Innsbruck, Austria

Jürgen Konczalla

Vice chair, Dept. of Neurosurgery, University of Frankfurt, Germany

Kartik Krishnan

Head section Neurosurgery, Klinikum Bad Soden, Germany

Mark Mahan

Dept. Neurosurgery, University of Utah, USA

Martin Ortler

Chairman, Department of Neurosurgery, Landstrasse Municipal Hospital, Vienna Healthcare Network, Vienna, Austria

Lukas Rasulic

Head Dept. Peripheral Nerve & Functional Neurosurgery, President Serbian & Southeast Europe Neurosurgical Society, Chair EANS Global & Humanitarian Committee, Serbia

Christian Redl

Apnoe diver and multiple world record holder e.g. deep & under ice, Austria

Jan Regelsberger

Dir. Dept. Neurosurgery, Diakonissen Krankenhaus, Flensburg, Germany

Niko Resch

49er / Skiff (sailing), 4x olympic games participant, 2x silver medalist world championships (Sailing session), Austria

Thomas Schmidt

Dept. Neurosurgery, Oldenburg University, Oldenburg, Germany

Keki Turel

Chair WFNS Committee on Complications in Neurosurgery, Emeritus Chair Dept. Neurosurgery Bombay/Mumbai, Past President Neurological Society of India, India

Peter A. Winkler

Em. Professor and Chairman - Visiting Professor Researcher at the Berlin Charité Neurosurgery, Germany

Eric Zager

Perelman School of Medicine, Dept. of Neurosurgery, University of Pennsylvania, USA

Local Teams

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Alexandra Resch

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David Soldo

Dept. Neurosurgery & Neurorestoration, Klinikum Klagenfurt, Klagenfurt, Austria

Wolfgang Wandschneider

Dept. Cardiothoracic Surgery, Klinikum Klagenfurt, Klagenfurt, Austria

For registration, booking of events, and submission of cases/free papers please visit:

www.adrenaline-repair.at

Änderungen und Druckfehler vorbehalten; Stand bei Drucklegung



Seeing beyond