

# Adrenaline & Repair

Complication Management in Neurosurgery



## DEAR COLLEAGUES,

I am very pleased to invite you to a unique annual 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 exciting outdoor activities.



Take a look at the schedule of this unforgettable event and save your spot on [www.adrenaline-repair.at](http://www.adrenaline-repair.at)

Klagenfurt/Austria is a beautiful 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 room.

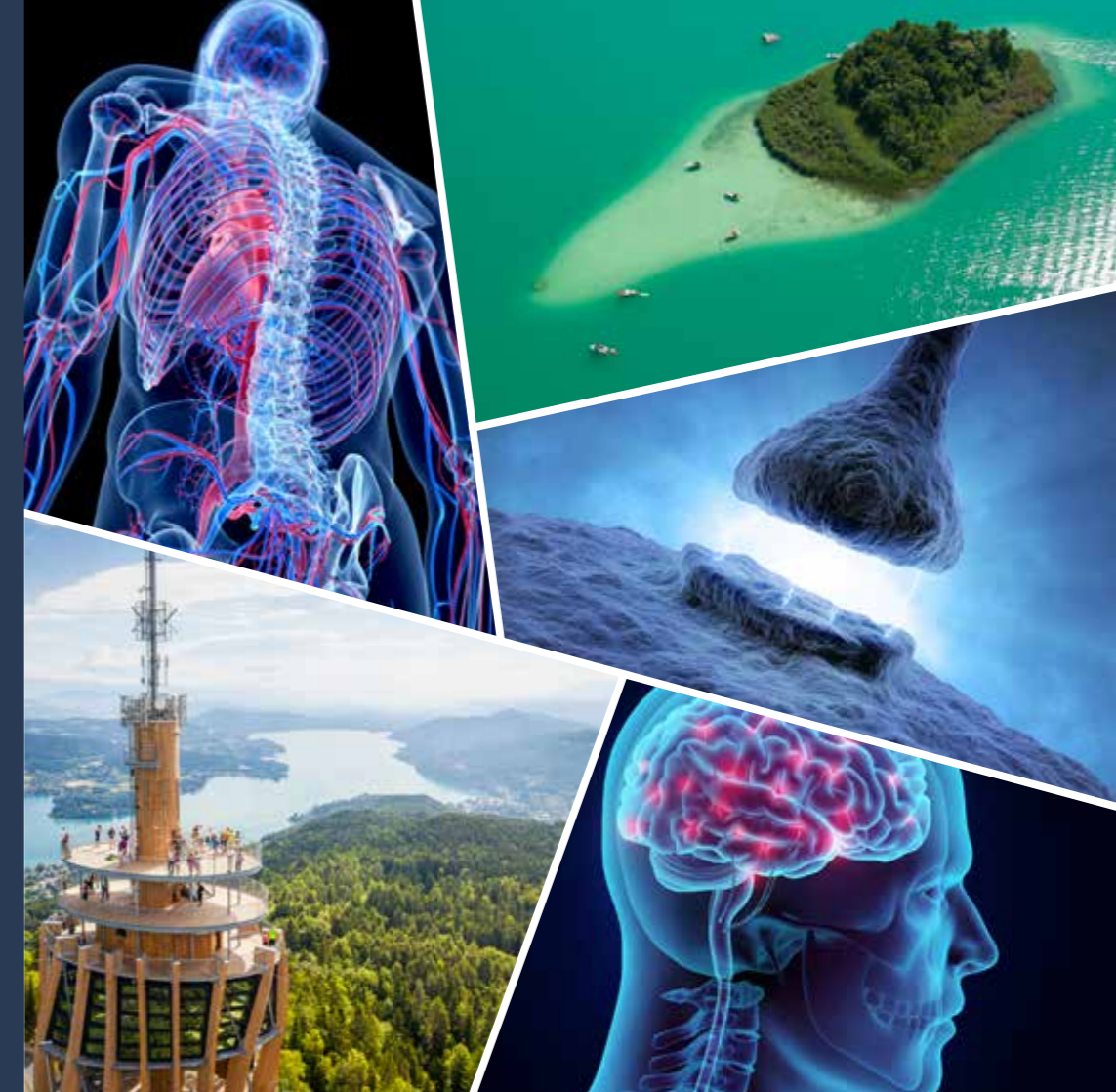
Klagenfurt borders to Italy and Slovenia, 2 hours from the Mediterranean Sea, 4 hours to Venice, situated between the Alps and the Karawanken. It is a hiking and biking eldorado known for its crystal clear lakes, the largest of them, the Wörthersee, right at the city borders. Vienna, Salzburg and Venice are close by. We will create an Internet platform and assist you with travel plan suggestions. 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 25-27, 2020

Yours  
Thomas Kretschmer, MD, PhD, IFAANS  
*Dir. Dept. of Neurosurgery  
Klinikum Klagenfurt, Austria*

For the extended program, individual booking and, further information please visit:

[www.adrenaline-repair.at](http://www.adrenaline-repair.at)



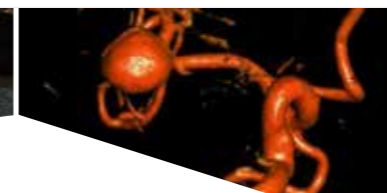
# Adrenaline & Repair

Complication Management in Neurosurgery

International Course and Conference | June 25-27, 2020  
Klagenfurt, Austria

OPTIONAL PRE & PAST CONFERENCE PROGRAM

## SCIENTIFIC & TRAINING PROGRAM



### DAY 1 FOUNDATION & NERVE

#### • THE PSYCHOPHYSIOLOGY OF ACUTE STRESS

Brain, hormones, muscles & perfusion crossroads between inability to act and higher performance level

#### • PERFORMING UNDER ACUTE STRESS – WHAT CAN WE LEARN FROM HIGH PERFORMANCE ATHLETES

Keynote lectures  
Visualizing  
Chains of action

#### • CAN YOU PREPARE TO MASTER COMPLICATIONS?

Internationally renowned keynote speakers  
Cerebrovascular, skullbase, eloquent CNS, spine, nerve

#### • HANDS ON

Breathing & awareness & flow  
Microsurgical instrument handling  
Percutaneous screws & bailout techniques  
Sacral & ilium screws  
Vascular repair – suture techniques  
Nerve – microsurgical techniques

#### • IATROGENIC NERVE LESIONS & REPAIR

Overview

Repair techniques & strategies  
PN tumor mishaps  
Cranial nerve repair  
Optic nerve – what to expect

#### • AFTERNOON CHALLENGE: ADRENALINE RELATED ACTIVITY

##### • “FREE FALL”

Tscheppa gorge traverse or wet suit jump  
„Abseiling“ from Pyramidenkogel

##### • “ALL OUT”

Lake swim  
Up the hill – bikeride

#### • EVENING-EVENT: PERSPECTIVES – A NIGHT AT THE HILL “PYRAMIDENKOGEL”

Video & report of survivors

### DAY 2 VASCULAR, CRANIAL & FREE PAPERS

#### • EMERGENT VASCULAR REPAIR

Cardiac standstill  
Cerebrovascular, 1-8 mm  
Extremity vasculature & extracerebral carotid artery (cases OR live)  
Abdominal vasculature  
Venous repair cerebral, extracerebral & abdominal

#### • EMERGENT ENDOVASCULAR REPAIR

Treatment chain  
Techniques  
Cases  
Angiosuite live (stenting)

#### • HANDS ON

Dry lab training with vascular and microvascular experts

#### • CEREBRAL LESIONS

Tricks to master cerebral complications  
Sinus repair  
Cavernous sinus  
Approach related risks  
Cutting sinus, falx and tentorium properly  
Calvarial & orbital reconstruction

#### • COMPLICATIONS & MANAGEMENT: FREE PAPERS

#### • MY WORST CASE – SURGICAL NIGHTMARES

#### • AFTERNOON CHALLENGE: ACTIVITY RELATED ADRENALINE

#### • “UP IN THE AIR & DOWN IN THE LAKE”

Tandem paragliding  
Apnoe diving – introduction to breathing technique

#### • “MY FIRST COMBAT SPORT EXPERIENCE”

The 1 hr Fight club – an intro to BJJ

#### • EVENING EVENT: RELAXING BY THE LAKE

Presentation & video – experience with “afternoon challenge”

All activities are **optional**.  
Please announce at the registration, which activity you would like to participate in.

### DAY 3 SPINE & FREE PAPERS

#### • COMPLICATIONS IN SPINAL SURGERY

ALIF & XLIF  
Dorsal approaches to the spine  
Vascular injury in spinal instrumentation  
Injury signs and repositioning

The open back: vac vs local vs free flaps  
Vascularized bone grafts  
Spinal CSF fistula  
Soft bone & broken pedicles  
Cranio-cervical junction dissecting around the vertebral artery  
Retroperitoneal tumors  
Sacral tumors and chordomas

#### • HANDS ON SPINE

Hooks, massa lateralis, pedicle screws from sacral to occipital on saw bone  
Cementable & rescue screws  
Vertebral body replacement  
Costotransversectomy technique & pitfalls

#### • COMPLICATIONS & MANAGEMENT: FREE PAPERS

#### • MY WORST CASE – SURGICAL NIGHTMARES

#### • EVALUATION AND FAREWELL