

## ORGANISATION AND IMPRINT

### Venues

Hands-on part  
Department of Anatomy  
Ludwig-Maximilians-University  
Pettenkoferstrasse 11 • 80336 Munich

### Theoretical part

Schön Klinik Munich Harlaching  
Grünwalder Strasse 72 • 81547 Munich

### Course co-directors

Christoph Mehren  
Andreas Korge  
Spine Center Schön Klinik Munich Harlaching

### Faculty

Andreas Korge, Munich	Luca Papavero, Hamburg
Ralph Kothe, Hamburg	Axel Stäbler, Munich
Christoph Mehren, Munich	Bastian Storzer, Munich

### Organiser practical parts

Bastian Storzer, Munich

### Certification

An application has been submitted to the European Accreditation Council for Continuing Medical Education (EACCME) for European CME credits, ECMEC. Additionally, an application will be made at the Medical Chamber of Bavaria.

### Registration

The registration is only possible online at [www.sam-course.de](http://www.sam-course.de). The number of participants is limited. Due to high demand, we recommend registering as early as possible.

### Professional congress organiser

Conventus Congressmanagement & Marketing GmbH  
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CONGRESSMANAGEMENT

### Organised by



## WELCOME NOTE OF THE COURSE CO-DIRECTORS



Dear colleagues,

Microsurgical and minimally invasive techniques have gained increased importance in spinal surgery in the last years. They have become the gold standard in the treatment of a variety of pathologies of the spine and represent the ongoing evolution of surgical techniques towards more tissue-sparing approaches.

The more sophisticated a technique, the more important training and education becomes. Our past international microsurgical wet labs, a joint venture of Schön Klinik Munich Harlaching and the Department of Anatomy of the Ludwig-Maximilians-University, were a great success and have encouraged us to proceed with this teaching concept.

After Covid-related cancellations, we proudly announce the 26<sup>th</sup> Course on Spinal Advanced Microsurgery 2023, a hands-on cadaver course on anterior and posterior approaches to the cervical spine. It would be a pleasure for us, the faculty and the organisers, to welcome you in Munich from 23–24 March 2023!

Sincerely,  
Christoph Mehren, M.D.  
Andreas Korge, M.D.



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Your key to minimally invasive surgery

# SPINAL MICROSURGERY 26

Anterior and posterior approaches to the cervical spine

## HANDS-ON COURSE

23–24 March 2023  
Munich, Germany

## PROGRAMME

[www.sam-course.de](http://www.sam-course.de)



# Spinal Microsurgery

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THURSDAY, 23 MARCH 2023

From 08:00	Registration
08:30	Welcome, introduction and course details Christoph Mehren (Munich)
08:45–10:00	Introductory lectures Moderator Christoph Mehren (Munich)
08:45	Are learning curves acceptable for our patients? Christoph Mehren (Munich)
09:05	Biomechanics of the cervical spine Ralph Kothe (Hamburg)
09:30	Hemostasis in spinal microsurgery Andreas Korge (Munich)
09:50	Questions and answers
10:00	Coffee break
10:20–12:00	Surgery of the posterior cervical spine: Surgical techniques Moderator Andreas Korge (Munich)
10:20	Keyhole foraminotomy Bastian Storzer (Munich)
10:35	Posterior fusion techniques of the cervical spine (incl. C0 and C1/C2) Ralph Kothe (Hamburg)
11:00	Laminoplasty (incl. pincer stenosis) Luca Papavero (Hamburg)
11:25	Instrumentation of the cervico-thoracic junction Ralph Kothe (Hamburg)
11:45	Questions and answers
12:00	Lunch

13:00–15:00	Cervical spine – Basics Moderator Luca Papavero (Hamburg)
13:00	Imaging of cervical pathologies Axel Stäbler (Munich)
13:30	The rheumatoid cervical spine (How and when to treat) Ralph Kothe (Hamburg)
14:00	7-letter-code for decision making Luca Papavero (Hamburg)
14:30	Case discussion Bastian Storzer (Munich)
15:00	Coffee break
15:30–17:15	Surgery of the anterior cervical spine: Surgical techniques Moderator Ralph Kothe (Hamburg)
15:30	Anterolateral uncoforaminotomy Luca Papavero (Hamburg)
15:50	Fusion (cage and plate) Bastian Storzer (Munich)
16:10	Vertebrectomy and defect support Ralph Kothe (Hamburg)
16:30	Non-Fusion (total disc replacement) + hybrid strategies Christoph Mehren (Munich)
17:00	Question and answers
17:15	Wrap up day 1 Andreas Korge (Munich)

FRIDAY, 24 MARCH 2023

Hands-on cadaver workshop	
08:30–08:45	Instructions to microscopic set-up Zeiss et al.
08:45–12:00	Posterior cervical spine Moderator Christoph Mehren (Munich)
	Keyhole foraminotomy Bastian Storzer (Munich)
	Laminoplasty Christoph Mehren (Munich)
	Posterior fusion techniques Ralph Kothe (Hamburg)
12:00	Lunch
13:00–15:30	Anterior subaxial cervical spine Moderator Andreas Korge (Munich)
	Anterolateral uncoforaminotomy Andreas Korge (Munich)
	Fusion and non-fusion (total disc replacement) Christoph Mehren (Munich)
	Vertebrectomy and defect support Ralph Kothe (Hamburg)
	Decompression of vertebral artery Andreas Korge (Munich)
15:30	End of the course, certificate and farewell