

4th NSpine Combined Cadaveric & Live Tissue Course

and

Advanced Spine Surgery Techniques Conference

**NSpine**

innovative spine education™

*- all you need to operate and more -*

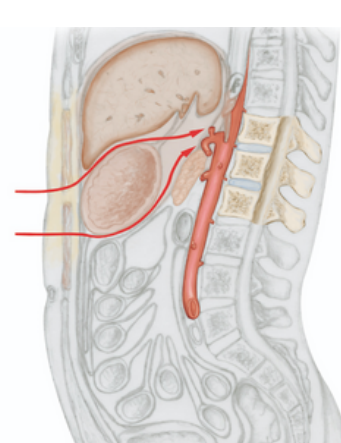
*Delegate Flyer*

18th - 21st April 2024  
IRCAD Training Centre  
Strasbourg, France

**SURGICAL LAB**

[www.nspine.com](http://www.nspine.com)





## **NSpine Combined Cadaveric & Live Tissue Course and Advanced Spine Surgery Techniques Conference**

Combining cadaveric and live tissue training is an advanced and highly effective means of teaching not only advanced approaches to the spine and implant handling, but also the management of complications which may occur. Especially with regard to anterior and lateral lumbar and thoracic techniques, the approaches are complex and the potential for complications significant.

NSpine is therefore proud to again be hosting the unique combined cadaveric and live tissue training event at the famous IRCAD centre. This year we have added several new modules to comprehensively cover most aspects of modern spine surgery and have enhanced the meeting with comprehensive theory blocks.

The NEW Advanced Spine Surgery Techniques Conference provides all day lecture blocks which can be booked together with the hands-on courses or attended as stand-alone conference.

### **Venue:**

IRCAD is a global leader in surgical training. The surgical lab is at the heart of state-of-the-art facilities. 17 tables are fully equipped for surgical cadaveric dissection or live tissue surgery.

### **Travel and accommodation:**

Strasbourg is a vibrant city with its historic town centre within walking distance of the IRCAD institute.

Strasbourg is accessible via road, train and air. There are international flight connections via Frankfurt or Paris. Excellent hotels are located within easy walking distance of IRCAD.





**About IRCAD:**

Located close to the historic center of Strasbourg, IRCAD has acquired a reputation for excellence in research as well as in the teaching of new surgical techniques since its creation in 1994. It now enjoys a worldwide renown, making it the world's first training school in new surgical techniques and technologies. The institute comes equipped with an outstanding infrastructure of 8,000 square meters, which can welcome 5,500 surgeons per year in various surgical specialties, while developing its cluster for research in new technologies and computer sciences.

Fully dedicated to research and to the teaching of the most innovative surgical techniques, the IRCAD has established itself as a world reference in the field of minimal access surgery.





## **Advanced Spine Surgery Techniques Conference 18th - 20th April**

**Format:** 3 day conference 8:00 - 16:00 | 18 - 20 April

**Venue:** IRCAD Strasbourg

- 18th April: Degenerative Condition Spine Surgery Techniques (detailed content to follow)
- 19th April: Tumour Spine Surgery Techniques (detailed content to follow)
- 20th April: Deformity Spine Surgery Techniques (detailed content to follow)

## **Combined Cadaveric and Live Tissue Course 19th - 21st April**

**Format:** Half day and whole day cadaveric and live tissue workshops  
17 tables available per half day session

**Venue:** IRCAD Strasbourg

- Overview of Modules on following pages
- Modules that do not overlap can be combined
- Lecture blocks are provided the evening/afternoon before the workshops

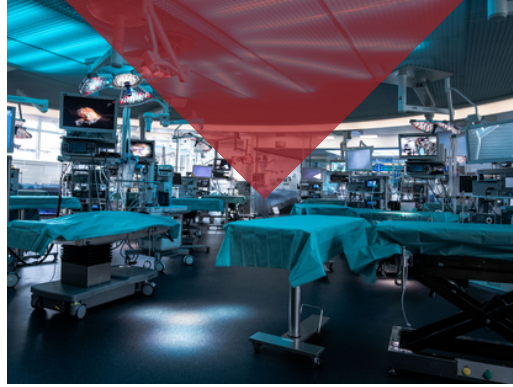


Content will focus on surgical techniques and decision making led by expert faculty with ample time for discussion of surgical nuances

Delegates may attend this as stand alone conference

Attendees of the Combined Cadaveric and Live Tissue Course have free access to the conference. (Terms and Conditions apply)





## Learning Objectives and Outcomes Cadaveric and Live Tissue Course

### Course format:

- Half day lectures specific to modules augmented by online content
- Hands-on surgical training consists of combinations of cadaveric or model training and live tissue
- Faculty : delegate ratio is 1:4 or 1:2. For expert training modules the ratio is 1:1

### Learning objectives (according to workshop combinations):

- To perform anterior | lateral | posterior approaches to the lumbar, thoracic and cervical spine
- To correctly handle and insert anterior | lateral | posterior devices and implants
- Where applicable correctly handle instruments and perform defined procedures
- Where applicable perform osteotomies / vertebrectomies and other defined procedures
- To effectively manage complications arising from anterior lumbar and thoracic approaches in live tissue surgery including vascular, pulmonary and ureteric injuries
- Correctly expose and dissect intraspinal neural structures
- Correctly apply neuromonitoring principles and procedures

### Learning outcomes (according to workshop combinations)

#### After the event delegates will be able to:

- Perform the technical steps of the approaches to the lumbar, thoracic and cervical spine along with the procedures of the workshops chosen
- Perform steps of endoscopic lumbar, thoracic and cervical procedures
- Mobilise vascular and visceral structures to facilitate spinal instrument and device placement
- Identify the structures at risk during anterior spinal surgery and use salvage strategies in case of complications
- Clamp vessels to control haemorrhage / perform standard sutures of arteries and veins
- Stent and conduct steps to repair ureteric injuries
- Repair pulmonary injuries
- Manage complications in endoscopic and thoracoscopic procedures
- Dissect intraspinal neural structures
- Setup and conduct neuromonitoring



# Cadaveric and Live Tissue Course Format and Content

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## MODULE OVERVIEW HANDS ON

- Endoscopic Spine Surgery - Lumbar and Thoracic (C & L)
- Endoscopic Spine Surgery - Cervical (C)
- MIS TLIF (C)
- MIS Instrumentation / SI Joint Fusion / Vertebral Augmentation (C)
- Anterior Lumbar Access (ALIF / OLIF) and Complications Management (C&L)
- Lateral (XLIF / X-ALIF) Reconstruction and Complications Management (C&L)
- Single Position Surgery (C)
- Expert Anterior Lumbar Spine Access Complications Management (L)
- Expert Thoracotomy Access and Complications Management (L)
- Comprehensive Anterior Cervical Spine Techniques (C)
- Comprehensive Posterior Cervical Spine Techniques (C)
- Advanced Anterior and Posterior Craniocervical Techniques (C)
- Posterior Thoracic- Pelvis Instrumentation and Reconstruction (C)
- Advanced Anterior Scoliosis Techniques and Complications Management (C&L)
- Advanced Spine Tumour Thoracic-Pelvic Reconstructive Techniques (en-bloc surgery) (C&L)
- Advanced Spine Tumour Cervical Reconstructive Techniques (C&L)
- Intraspinal and Intramedullary Dissection Techniques with IONM (L)

**C = Cadaveric / L = Live Tissue**

Lecture blocks take place the afternoon / evening before the workshop  
These lecture blocks are additional to the conference lectures of the day  
and are tailored to the essential techniques of the workshop



# Cadaveric and Live Tissue Course Format and Content

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## Breakdown of Degenerative Spine Modules

### **1a Spine Endoscopy (Cadaver) - full day**

Face to face theory session 2 hours and 6 hours hands-on training

### **1b Expert Spine Endoscopy and Complications (Live Tissue) - half day**

Face to face theory session 2 hours and 3 hours hands-on training

### **1c Spine Endoscopy Cervical (Cadaver) - half day**

Face to face theory session 2 hours and 3 hours hands-on training

### **2a MIS Spine SI Joint / Percutaneous Instrumentation / Vertebral Augmentation (Cadaver) - half day | NEW |**

Face to face theory session 2 hours and 6 hours hands-on training

### **2b MIS TLIF (Cadaver) - half day | NEW |**

Face to face theory session 2 hours and 3 hours hands-on training

### **2c Single Position Prone / Lateral & Posterior Techniques (Cadaver) - half day**

Face to face theory session 2 hours and 3 hours hands-on training

### **3a Anterior Lumbar Access (ALIF / TDR / OLIF) and Complications Management (Cadaver / Live Tissue) - two half days**

Face to face theory session 2 hours and 6 hours hands-on training

### **3b Lateral (XLIF / X-ALIF) Reconstruction and Complications Management (Cadaver / Live Tissue) - two half days**

Face to face theory session 2 hours and 6 hours hands-on training

### **3c Combined Anterior & Lumbar Access and Complications Management (Cadaver / Live Tissue) - three half days**

Face to face theory session 2 hours and 9 hours hands-on training

### **3d Expert Anterior Spine Complications Management (Live Tissue) - half day**

Face to face theory session 2 hours and 3 hours hands-on training

### **4a Comprehensive Anterior Cervical Spine Techniques - half day | NEW |**

Face to face theory session 2 hours and 3 hours hands-on training

### **4b Comprehensive Posterior Cervical Spine Techniques (Cadaver) - half day | NEW |**

Face to face theory session 2 hours and 3 hours hands-on training

### **5 Robotic Surgery (Model) - half day**

Face to face theory session 2 hours and 3 hours hands-on training



# Cadaveric and Live Tissue Course Format and Content

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## Breakdown of Deformity Spine Modules

- 6 Posterior Thoracic Spine - Pelvis Instrumentation, Osteotomy and Deformity Reconstruction Techniques (Cadaver) - half day**  
Face to face theory session 2 hours and 3 hours hands-on training
- 7a Advanced Anterior Scoliosis Techniques including VBT (Cadaver) - half day**  
Face to face theory session 2 hours and 3 hours hands-on training
- 7b Thoracoscopic VBT & Complications Management (Live Tissue) - half day**  
Face to face theory session 2 hours and 3 hours hands-on training
- 8 Expert Anterior Thoracic Complications Management (Live Tissue) - half day | NEW |**  
Face to face theory session 2 hours and 3 hours hands-on training
- 9 Intraspinal Dissection and Corrective Manipulation under Neuromonitoring / Dural Repair (Live Tissue) - half day**  
Face to face theory session 2 hours and 3 hours hands-on training
- 10 Advanced Anterior & Posterior Craniocervical Techniques (Cadaver) - half day | NEW |**  
Face to face theory session 2 hours and 3 hours hands-on training
- 5 Robotic Surgery (Model) - half day**  
Face to face theory session 2 hours and 6 hours hands-on training

## Breakdown of Tumour Spine Modules

- 11a Spine Tumour Reconstructive Techniques Thoracic - Pelvis (en-bloc surgery) (Cadaver) - half day**  
Face to face theory session 2 hours and 3 hours hands-on training
- 12b Spine Tumour Reconstructive Techniques Cervical ("en-bloc" surgery) (Cadaver) - half day | NEW |**  
Face to face theory session 2 hours and 3 hours hands-on training
- 13 Intraspinal Dissection and Spinal Cord Surgery under Neuromonitoring / Dural Repair (Live Tissue) - half day**  
Face to face theory session 2 hours and 3 hours hands-on training
- 14 Major Reconstruction Visceral, Pulmonary and Vascular Mobilisation and Repair (Live Tissue) | NEW |**  
Face to face theory session 2 hours and 3 hours hands-on training



# Overview of Workshops

Friday 19th April

AM

1a Spine Endoscopy

4b Posterior Cervical

5 Robotic Surgery Dissection

9 & 13 Intraspinous Dissection

7a Vertebral Body Tethering

PM

1a Spine Endoscopy

4b Anterior Cervical

5 Robotic Surgery Dissection

3b Lateral Lumbar

7b Vertebral Body Tethering Live

14 Major Reconstruction Live

Saturday 20th April

AM

1b Spine Endoscopy Live

3a & c ALIF

2a SI Joint / Instrument / Augment

11a Tumour Reconstruction TL

PM

1c Spine Endoscopy Cervical

2b MIS TLIF

6 Posterior TL Reconstruction

3a-c ALIF Complications Live

12b Tumour Reconstruction C

Sunday 20th April

AM

10 Advanced Craniocervical

3a & c ALIF

2c Single Position

3d Expert Vascular Live

8 Expert Thoracic Live

3a-c ALIF Complications Live



### Spine Education since 2013:

NSpine is an entirely independent company exclusively focused on spine health care education. Since the inaugural conference in 2013, NSpine has grown exponentially and now features annual, highly respected meetings which traditionally attract over 500 attendees from across the globe.

### Clinical Problem Solving and Emerging Tech:

The focus of NSpine meetings is on clinical problem solving, decision-making and forwarding surgical techniques and technology. With this in mind the meetings are crafted to meet the demands of working surgeons.

### Advanced Cadaveric and Live Tissue Training:

NSpine has a tradition of offering highest quality hands-on cadaveric training courses. This has now been expanded to include training at the world renowned **IRCAD institute** in Strasbourg France through **the NSpine combined cadaveric and live tissue training series**.

*"I have been involved in live tissue spine courses at IRCAD for close to 20 years. This is the best immersive surgical simulation training currently available. NSpine is dedicated to delivering training for surgeons that really matters.  
NSpine - designed by surgeons for surgeons."*



A handwritten signature in black ink, reading "Bronek Boszczyk".

**Bronek Boszczyk**  
Spine Surgeon, NSpine Founder





WE LOOK FORWARD TO  
WELCOMING YOU TO STRASBOURG!

# NSpine

innovative spine education™

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