

Endoscopic Spine Surgery & Pain Therapy Workshop Program 2020



1- and 2-day Workshops | User Meetings



Master Documentation **iLESSYS® Pro** Endoscopy Navigation
Training **Percusys®** **intENTS® Cervical** **intENTS®** Simulator Anatomy
CESSYS® Dorsal Expertise **iLESSYS® Delta** **intENTS® Lumbar**
MultiZYTE® Sacroiliac **CESSYS® Ventral** **MultiZYTE® Facet** Lectures
iLESSYS® Pro Support **Endovapor® 2** Hands-on **Shrill®**
Instruments Expert Discussion Systems **TESSYS® Thix** **EndoLIF® Implants** Team User Meetings
TESSYS® **Intracis®** **Vitegra®**
Experience



Continuing Medical Education
joimax® Training Program

Certain
courses are
CME
certified



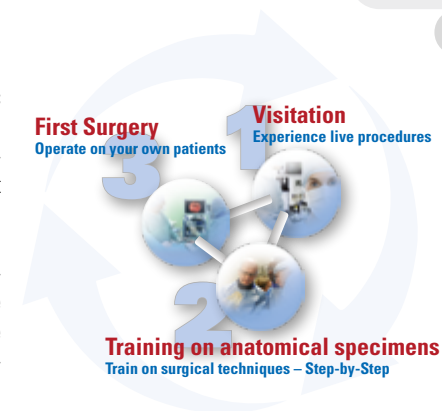
„Endoscopic techniques may speed recovery, minimize postoperative pain and improve the final outcome. What once required 3 to 6 months to recover from now only requires 3 to 6 weeks!“

The Cleveland Clinic Foundation

joimax® Training Program CM3

joimax®, as a developer and provider of high-end instruments and devices for endoscopic spine surgery, emphasizes training and education for professionals to ensure medical performance of highest quality in the field of endoscopic spine procedures. Our comprehensive international medical education program aims at dedicated surgeons to start with endoscopic spine surgery, to then grow into becoming an expert or even a master.

With the 3-step training program as part of the international medical education program, joimax® offers intense theoretical and practical education. During Step 1, the surgeon will become familiar with the surgical techniques while visiting reference centers. Step 2 combines theoretical and practical training during joimax® workshops, and within Step 3, the newly acquired skills will be transferred and refined with our professional support during own first endoscopic procedures.



With the **workshops** of the CM3 program, joimax® offers a broad range of courses. Participants will develop deep endoscopic knowledge by means of expert lectures on anatomy, indications and contraindications, surgical techniques and instrumentation, combined with intense practical training on dedicated simulators and anatomical specimens. Special experiences, pitfalls, limitations and the individual management of complications along with anesthetic strategies and postoperative care are also discussed. Participating in our workshops will allow to officially reach level of experience 1 to 4.

For **Endoscopic Spinal Surgery** Level 1-2 workshops will provide the participants with the widest possible basis. Especially for beginners, the unique transforaminal access to the spinal canal and the spatial orientation of the view through the endoscope can be challenging. Level 3-4 workshops are designed to deepen existing knowledge and expand further surgical techniques, e. g. cervical treatment options, as well as endoscopic fusion techniques, and are in particular suitable for the already experienced surgeons.

Pain Therapy Level 1workshops address facet and sacroiliac joint treatment and interventional nucleus therapy.

Workshop Conduction

All workshops contain theoretical lectures and intense practical training on simulators and anatomical specimens.

There are 2 to 5 workstations per course with 4 to 5 participants per station. The workstations are equipped with C-arms, joimax® endoscopy towers and surgical instrumentation. X-ray protection and scrubs are provided.

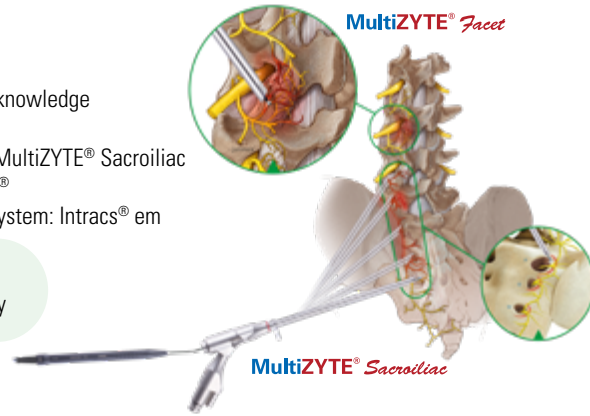
Level 1 | Endo-Facet-SI-Discogenic Pain Management | 1 day

This workshop will provide profound theoretical and practical knowledge on endoscopic pain therapy.

- Facet and sacroiliac joint treatment: MultiZYTE® Facet and MultiZYTE® Sacroiliac
- Interventional lumbar and cervical nucleus therapy: intENTS®
- Application and options of the electromagnetic navigation system: Intracs® em

Target Group

Surgeons and pain therapists with experience in spinal therapy



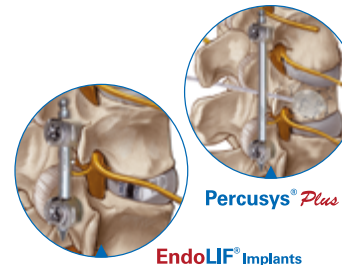
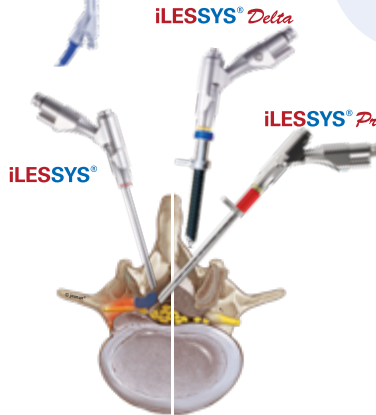
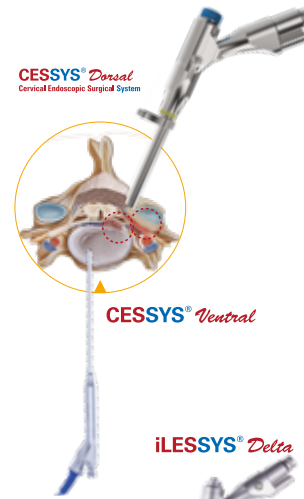
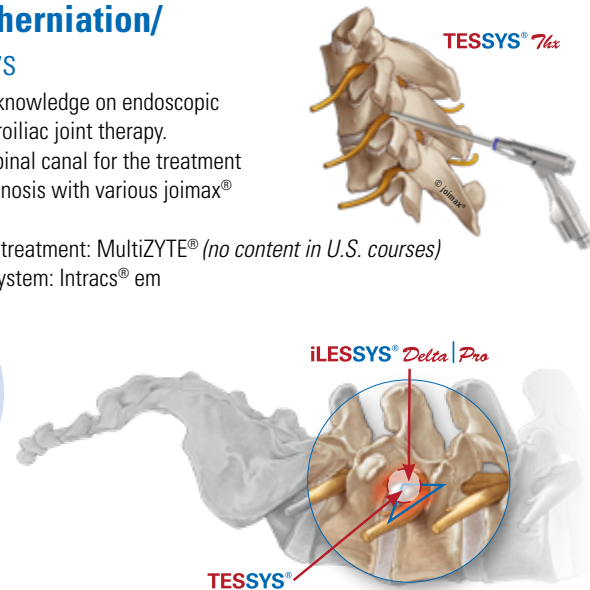
Level 1-2 | 360° Endo-Deherniation/Decompression Management | 2 days

This workshop will provide profound theoretical and practical knowledge on endoscopic deherniation/decompression and on endoscopic facet and sacroiliac joint therapy.

- Transforaminal and interlaminar endoscopic access to the spinal canal for the treatment of lumbar disc herniations and minor foraminal or recess stenosis with various joimax® Systems: TESSYS®, iLESSYS® Pro and iLESSYS® Delta
- Demonstration of endoscopic facet joint and sacroiliac joint treatment: MultiZYTE® (no content in U.S. courses)
- Application and options of the electromagnetic navigation system: Intracs® em

Target Group

Surgeons from various disciplines, without experience in endoscopic spinal therapy/spinal surgery and interest in learning the latest techniques of minimally invasive endoscopic spinal surgery – focus is the lumbar spine.



Level 2-3 | 360° Endo-(Stenotic) Decompression | 2 days

This workshop will provide profound theoretical and practical knowledge on endoscopic bony decompression.

- Transforaminal and interlaminar endoscopic access to the spinal canal for the treatment of lumbar disc herniations, foraminal and recess stenosis with various joimax® systems: TESSYS® as well as iLESSYS® Pro and iLESSYS® Delta
- Application and options of the electromagnetic navigation system: Intracs® em

Target Group

Surgeons from various disciplines, with some experience in endoscopic spinal therapy/spinal surgery and interest in learning the latest techniques of minimally invasive endoscopic spinal surgery – focus is the lumbar spine.



Level 3-4 | 360° Endo-(Stenotic) Decompression & Stabilization | 2 days

This workshop will provide profound theoretical and practical knowledge on endoscopic decompression at lumbar, thoracic and cervical spine as well as minimally-invasive stabilization.

- Transforaminal and interlaminar access for decompression at the lumbar spine (migrated disc herniations, foraminal, recess stenosis) and central herniations at the lumbar and thoracic spine with joimax® systems: TESSYS®, TESSYS® Thx, iLESSYS® Pro and iLESSYS® Delta
- Cervical decompression with joimax® systems: CESSYS® Dorsal and CESSYS® Ventral
- Transforaminal and interlaminar endoscopic and percutaneous stabilization: EndoLIF® and Percusys® Plus
- Application and options of the electromagnetic navigation system: Intracs® em

Target Group

Surgeons from various disciplines experienced in endoscopic transforaminal and interlaminar access who want to expand the spectrum of indications.

User Meetings | 1-2 days

User meetings shall allow individual deepening of knowledge and experience achieved during former joimax® workshops or own surgical cases.

- Consolidate transforaminal and interlaminar technique
- Discuss and practice access strategies and suitable instruments for varying and extraordinary pathologies and levels
- Gain or improve knowledge on implants: Percusys® and EndoLIF®
- Use navigation tools and latest anatomical simulators

The level will be chosen and announced appropriately.



Alumni Newsletter

Exclusively for our joimax® Workshop Alumni, i.e. all graduates of our CM3-Workshops, a scientific information service.

As experts in endoscopic minimally invasive spine surgery, we are pleased to inform you about current studies.

We summarize the contents of the most important studies especially for you in the compact overview Clinical Background. Of course, you will also receive the link to the abstract or full text of the study for intensive study of the writings.



EndoTrainer Plus

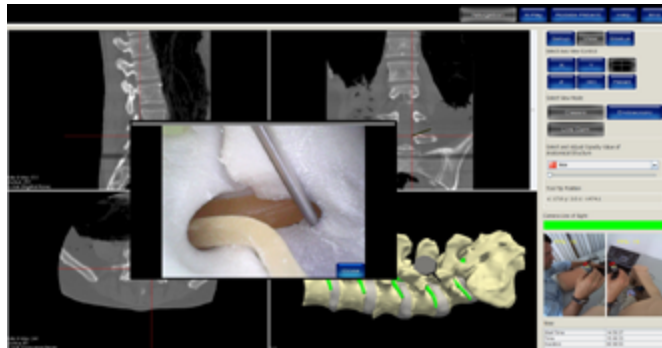
All workshops are accompanied by preparative training on simulators such as the EndoTrainer Plus, for practicing the endoscopic access to the spine in prone and lateral patient position. Both the transforaminal (TESSYS®) and the interlaminar (iLESSYS®) technique are trained under realistic conditions.

The EndoTrainer Plus will teach how to achieve accurate access to the lumbar spine. Both transforaminal and interlaminar access can be accomplished by realistic sensory feedback and constant monitoring via navigation software. .



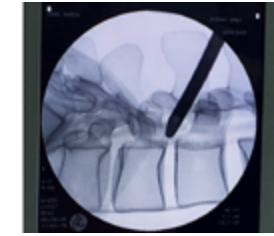
Benefits and advantages

- Virtually learn the transforaminal and interlaminar endoscopic access to the lumbar spine
- Realistic sensory feedback (from the spine model)
- Train the entire OR-team



Surgery Simulator Torso

Suitable for all endoscopic approaches, e.g. with joimax®: TESSYS®, iLESSYS® and MultiZYTE®. The spine is radiopaque and gives excellent and realistic images under fluoroscopy. Under endoscopic view, the orientation and handling of the instruments can be demonstrated and trained. The entire OR team can be prepared for and be trained on endoscopic spine access and surgery.



Specification

- Tissue-similar solid foam
- Embedded radiopaque spine and nerves
- Size: appr. 26.5 | 57.5 | 38.5 cm (h x w x d);
- Weight: appr. 5 kg



ENDOSCOPIC TOWER

The expert solution for spinal surgery and neurosurgery. All devices work in unison with one another and are specifically designed for the treatment of sensitive structures.

1 Vitegra®

Visual Integration System

Fully integrated digital documentation system

- Wireless tablet to control the system from everywhere
- Video and snapshot function via camera head buttons
- Multiple video inputs for different signal sources like endoscopic camera, X-Ray, ultrasound, microscope, OR camera
- Voice control and voice-over video function
- Easy export of all patient data via Blu Ray, USB, LAN, DICOM

2 Camsource® LED

Camera & Light Source System

Brilliant images up to 4K

- Latest CMOS technology
- Full HD/4K resolution via DVI, HD-SDI and 3G-SDI
- Integrated LED long-life light source, maintenance-free
- Combo and Ocular camera heads available

3 Intracs® em

Integrated Navigation Tracking & Control System

Simple and safe electromagnetic navigation

- Electromagnetic based tracking and guidance
- Instrument navigation directly at the tip
- Intuitive workflow and simplified usability

4 Shrill®

Shaver Drill System

Multi-functional drill and resection system

- Handpieces and shaver blades specially developed for spine surgery
- Secure removal of soft tissue and bone in cases of stenosis
- Vacuum effect due to specially protected design
- Vacuum function ensures an unobstructed and clear view of the operating field

5 Endovapor® 2

Multi Radio Frequency System

Combines a variety of different electro-surgical modes and effects

- Specially integrated programs for spine surgery, bipolar and monopolar
- All-in-one generator with interdisciplinary application
- 4 sockets: 2 x monopolar, 2 x bipolar
- Easy, intuitive touchpad operation
- Arc control for secure application
- Easy neutral electrode monitoring



The image shows one of various mounting options.

6 Versicon®

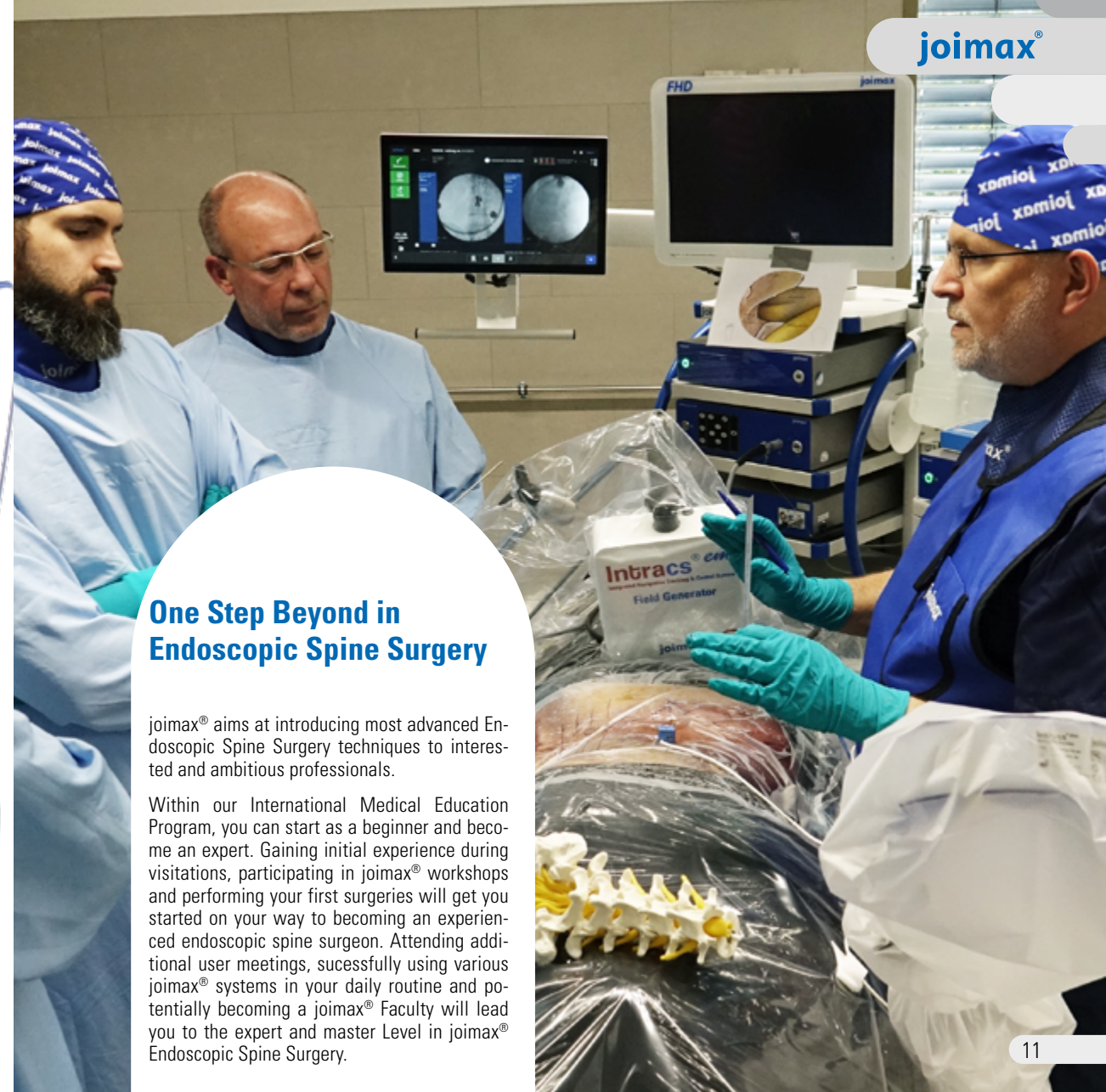
Versatile Irrigation Control

Multi-range irrigation pump

- Integrated spine mode for low flow and pressure
- Permanent control of flow and pressure
- Rapidly insertable, disposable tubing set
- Replaceable patient line with check valve

7 JFMS 2620 | 3220 | 314K

High Definition Medical Displays FHD and 4K UHD



One Step Beyond in Endoscopic Spine Surgery

joimax® aims at introducing most advanced Endoscopic Spine Surgery techniques to interested and ambitious professionals.

Within our International Medical Education Program, you can start as a beginner and become an expert. Gaining initial experience during visitations, participating in joimax® workshops and performing your first surgeries will get you started on your way to becoming an experienced endoscopic spine surgeon. Attending additional user meetings, successfully using various joimax® systems in your daily routine and potentially becoming a joimax® Faculty will lead you to the expert and master level in joimax® Endoscopic Spine Surgery.

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45327 Essen, Germany
www.movido.info



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www.shczyy.com/front/shouye.aspx



Peking University Third Hospital
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www.puh3.net.cn

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Houston Methodist Hospital
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www.houstonmethodist.org



Axis Research and Technologies
Columbia, MD 21046
www.axisrt.com



RIH Orthopedic Foundation
Providence, RI 02903
www.rihof.org



Platinum Training
Atlanta, GA 30318
www.platinumtraining.org



M.A.R.C. Institute
Doral, FL 33172
www.marctraining.com



NASS Lab
Burr Ridge, IL 60527
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joined minimal access

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