



360²SPINE

360-to-Spine is a premier series of hands-on courses designed for spinal surgeons and proudly presented by the Polish Society of Spinal Surgery.



Kursy praktyczne z procedur
operacyjnych na kadawerach
WIOSNA 2026



Kurs 360²SPINE



Polskie
Towarzystwo
Chirurgii
Kręgosłupa

Cervical Posterior MISS Instrumentation

Masters Meeting to Adjust Fully Lateral MISS Approaches
with Navigation, Intraoperative 3D Imaging and Robotics

4-5 of September, 2026 Warsaw Lab, Jabłonna close to Warsaw, Poland

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Language: English

Format: 2-day in-person masters meeting (high faculty ratio)

Occipito-cervical fusion

C1-C2 arthrodesis

Subaxial fixation and fusion

Cervicothoracic fixation and fusion



Details and registration at ptchk360.pl

Advanced Cervical Posterior MISS Instrumentation

**Masters Meeting to Adjust Fully Lateral MISS Approaches with Navigation,
Intraoperative 3D Imaging and Robotics**

DATE 04-05.09.2026r, Warsaw Lab, Jabłonna Poland

Language: English

Format: 2-day in-person masters meeting (high faculty ratio)

- Occipito-cervical fusion
- C1–C2 arthrodesis
- Subaxial fixation and fusion
- Cervicothoracic fixation and fusion

Course description

This 2-day Masters Meeting is designed for experienced cervical spine surgeons who aim to standardize and refine posterior MISS instrumentation and fusion using a fully lateral (paramedian) posterior working corridor, supported by intraoperative 2D/3D imaging, navigation, and robotics. The program combines short high-yield lectures and interactive case discussions with intensive hands-on training. Practical sessions are organized in small rotating groups (recommended max 4 participants per station) using anatomical specimens and simulation where appropriate.

Goal of the course

To enable participants to adopt a minimum safe adoption pathway for posterior cervical MISS fixation and fusion, with reliable OR workflow, technology verification discipline, radiation safety, and structured bailout strategies (Plan B / conversion thresholds).

Target participants

- Experienced cervical spine surgeons (orthopedic surgeons / neurosurgeons) performing routine posterior cervical procedures
- Surgeons with variable experience in navigation/robotics (from first exposure to advanced users)
- Surgeons planning structured implementation of technology-assisted MISS workflows in their home institutio

Learning objectives

By the end of this course, participants will be able to:

1. Select appropriate indications and construct strategies for posterior cervical MISS fixation and fusion across O-C, C1–C2, subaxial, and cervicothoracic regions.
2. Plan safe trajectories and define segment-specific safety margins and stop points using intraoperative imaging/navigation.
3. Execute posterior MISS workflow steps: patient positioning, paramedian corridor creation, anchor placement, rod delivery, reduction, and fusion-bed preparation (specimen-based).
4. Configure and verify OR workflow for intraoperative 3D imaging, navigation, and robotic guidance (registration, accuracy checks, drift detection).
5. Apply radiation discipline (time–distance–shielding, scan strategy) and document quality metrics.
6. Recognize and manage intraoperative failure modes (malregistration, trajectory deviation, fixation compromise) and implement Plan B.

Minimum safe adoption pathway (course-integrated)

- Track 1: Navigation-first (core): 3D imaging + navigation workflow, verification discipline, defined stop points
- Track 2: Hybrid: selected robotic guidance steps with mandatory navigation verification and abort criteria
- Track 3: Full integrated workflow: plan → register → guide → verify, with quality/radiation metrics and escalation rules

Educational methods

- Mandatory pre-course online learning (workflow basics, radiation safety, station intros)
 - Short high-yield lectures + interactive case discussions
 - Hands-on wet-lab/simulation in small groups with continuous faculty feedback
 - Station-based competency check (OSATS-style checklists + global rating)
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Program

Day 1 – Workflow, technology discipline, and subaxial foundations

08:00–08:30 Registration

08:30–08:45 Welcome, objectives, safety rules, station logistics

08:45–09:15 Posterior cervical MISS via fully lateral (paramedian) corridor: principles, limits, decision points

09:15–09:45 Intraoperative 3D imaging + navigation: registration, verification, drift, documentation

09:45–10:15 Robotics: planning, guidance workflow, verification and fallback

10:15–10:45 Coffee break

10:45–12:15 Case discussions (small groups): construct planning and “when not MISS” (O-C / C1–C2 / subaxial / CTJ)

12:15–13:15 Lunch

13:15–17:45 Wet-lab Rotation Block A (4 × 55 min, 5 min changeover)

- A1 OR setup + radiation discipline + stop-points
- A2 Navigation QA (registration + verification drill)
- A3 Posterior paramedian corridor + screw/rod workflow fundamentals
- A4 Subaxial fixation & fusion (specimen): anchor placement + rod delivery + fusion principles

17:45–18:00 Debrief (Day 1)

Day 2 – Complex regions, complication drills, assessment

08:00–12:00 Wet-lab Rotation Block B (4 × 55 min, 5 min changeover)

- B1 Occipito-cervical fusion (specimen)
- B2 C1–C2 arthrodesis (specimen)
- B3 Cervicothoracic fixation & fusion (specimen)
- B4 Robotics advanced / troubleshooting (simulation + specimen where feasible)

12:00–12:30 Plenary debrief: quality metrics, radiation strategy, common failure modes

12:30–13:30 Lunch

13:30–14:15 Complications & Plan B: malregistration, trajectory deviation, fixation compromise, conversion thresholds

14:15–15:00 Minimum safe adoption workshop: personal implementation plan

15:00–15:15 Coffee break

15:15–16:00 Post-test + station-based competency check (OSATS)

16:00–16:30 Summary, evaluation, certificates



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