

# PERCUTANEOUS PEDICLE SCREW TECHNIQUE FOR THE LUMBAR SPINE

## Course Overview

This is a practical course designed for spine surgeons familiar with techniques of open posterior lumbar fusion who wish to learn and understand the percutaneous pedicle screw technique. Experienced faculty will provide concrete and detailed instructions regarding operative technique, case selection, complication avoidance, and bail-out strategies in order to facilitate a step-wise transition from open to percutaneous pedicle screw placement. The didactic session will begin with a discussion of the relevant surgical anatomy and a review of the open technique for posterior lumbar instrumented fusion. It will then progress to discussions of paramedian exposures, posterolateral fusion and percutaneous pedicle screw insertion. The didactic session will be followed by a sophisticated cadaver lab replicating the operating room set-up in which the participants will have ample opportunity to practice the surgical techniques presented.

## Course Objectives

The principle objective of this course is to equip the participants with a level of technical knowledge and comfort that would allow them to safely transition to a percutaneous pedicle screw technique in a stepwise and systematic fashion. Upon completion of this program, the participants should be able to:

1. Identify the cases best suited for open fusion or percutaneous instrumentation.
2. Discuss the technical steps involved in the different minimally invasive fusion techniques.
3. Identify and utilize the special features of the S4 MIS cannulated pedicle screws.

## AGENDA

7:30 am	Breakfast/Registration
8:00 am	Overview and Relevant Anatomy
8:10 am	Percutaneous Pedicle Screw Fixation S4 MIS (cannulated screw)
8:45 am	Break
9:00 am	Cadaver Workshops
12:00 pm	LUNCH/ Q & A
1:00 pm	ADJOURN