POSTERIOR APPROACH TO FRACTURE REDUCTION

Course Overview

This is a practical course designed for spine surgeons who prefer to reduce thoracolumbar fractures utilizing a pedicle screw based posterior approach or to augment their anterior lateral correction with posterior implant and instrumentation. The procedure can either be done utilizing an open or minimally invasive technique. Experienced faculty will provide concrete and detailed instructions regarding operative technique, case selection, complication avoidance, and bail-out strategies in order to achieve a step-wise approach to posterior fracture reduction.

The didactic session will begin with a discussion of the relevant surgical anatomy and then progress to discussions of paramedian and/or minimally invasive exposures of the thoracolumbar spine. This is followed by reduction instrumentation necessary to re-orientate the spine by means of compression, distraction, and lordosis or kyphosis maneuvers.

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 reduce thoracolumbar fractures utilizing a posterior approach. Upon completion of this program, the participants should be able to:

Identify the cases that would best benefit from a posterior fracture reduction.

Discuss the technical steps involved in the approach.

Identify and utilize the special features of the S^4 Fracture Reduction Instruments (FRI) and S^4 pedicle screws.

AGENDA

7:30 am	Breakfast/Registration
8:00 am	Overview and Relevant Anatomy
8:10 am	Open and/or Minimally Invasive Exposure, FRI, and Pedicle Screw Fixation
8:45 am	Break
9:00 am	Cadaver Workshops
12:00 pm	LUNCH/ Q & A
1:00 pm	ADJOURN

AESCULAP ACADEMY