



# OPEN MEDICAL INSTITUTE

## CURRICULUM

### NEUROSURGERY (SPINE) SEMINARS IN SALZBURG

A Global Educational Initiative by the  
American Austrian Foundation

## **Core Area: Neurosurgery (Spine)**

### **Subdivisions of Core Area:**

1. Management of Spinal Tumors and AVM's
2. Thoracolumbar Trauma
3. Spinal Deformity: Basics
4. Adult Deformity: Management
5. Craniocervical Anatomy 3D Presentation
6. Low Back Pain: Diagnostic and Therapeutic Strategies
7. The Aging Spine
8. Craniocervical Trauma
9. Pediatric Spinal Trauma
10. Laminectomy/Discectomy for Degenerative Spinal Disease
11. Spinal Dysraphism and Tethered Cord
12. Repair and Regeneration of the Injured Spinal Cord
13. Management of Cervical Spondylotic Myelopathy: From Basic Science to Recent Clinical Trials
14. Minimally Invasive Spinal Surgery: TLIF, XLIF, AxiaLIF, PLIF
15. Motion Preservation in the Cervical Spine
16. Concussion and Spinal Injury in Athletes
17. Management of Spinal Epidural Metastases
18. Syringomyelia
19. TBI Guidelines
20. All-Day Cadaver Lab: Medtronic Demonstration on Spinal 3D Navigation
21. Cadaver Lab for Spinal Surgery