

AOSpine Principles Course Prague 2016 (program draft)

18:00 Pre-course - **24. 2. 2016**

19:30 Faculty dinner

Day 1 – 25. 2. 2016

08:00 – 08:30 Registration

08:30 – 09:00 Welcome and Introduction of AOSpine and Faculty

09:00 – 09:10 Anatomy and basic biomechanics of the spine

09:10 – 09:25 Imaging of the spine (deg. trauma, infection, neoplasms)

09:25 – 09:35 Management of patient with spinal cord injury

09:35 – 09:45 Upper cervical spine injuries

09:45 – 10:00 The role of halo fixation/traction

10:00 – 10:30 **Coffee break**

10:30 – 10:40 Treatment of upper cervical spine injuries

10:40 – 10:50 Classification of lower cervical spine injuries

10:50 – 11:00 Treatment of lower cervical spine injuries

11:00 – 12:30 Case discussions
Occipitocervical dislocation
Unstable C1 fracture
Odontoid peg fracture
Fracture of the ring of C2

12:30 – 13:30 **Lunch break**

13:30 – 14:30 Case discussions – lower cervical trauma
Burst fracture
Facet dislocation
Hyperextension injury

60'

14:30 – 14:45 Pediatric fractures

14:45 – 15:00	Cervical radiculopathy and myelopathy	
15:00 – 15:15	Specific problems in RA and ank. spondylitis patients	
15:15 – 15:30	coffee break	
15:30 – 17:00	Practical exercise – (Vectra, Axon, occipital plate)	90'
19:00	Course dinner	

DAY 2 - 26. 2. 2016

08:30 – 08:45	LBP differential diagnosis	
08:45 – 09:00	Disc herniation, cauda equine syndrome	
09:00 - 09:15	Metastatic disease in the spine	
09:15 – 09:30	Spinal infection	
09:30 – 09:45	Spondylolisthesis	
09:45 – 10:00	Scoliosis (idiopathic, degenerative, neuromuscular)	
10:00 – 10:30	tea break	
10:30 – 13:00	Case discussions disc herniation metastatic tumour spondylodiscitis	90' Isthmic spondylolisthesis degenerative spondylolisthesis idiopathic scoliosis
13:00 – 14:00	Lunch break	
14:00 – 14:15	Classification of thoracolumbar trauma	
14:15 – 14:30	Treatment of thoracolumbar injuries	
14:30 – 14:45	Fractures in the elderly	
14:45 – 15:00	Complications	

15:00 – 16:00	Case discussions thoracolumbar trauma Burst fracture Flexion distraction injury Fracture dislocation Osteoporotic fracture	
16:00 – 17:00	Practical exercises: pedicle screw placement, fracture reduction with posterior fixation	60'
17:00	end of course	

1. T-L classification: participants will be sent electronic version of the AOSpine 2014 to have some idea about it.
AOSpine thoracolumbar spine injury classification system. Vaccaro et al. Spine 2013
2. Ideally the presentations should have learning points in handouts to be given to participants during or at the end of the course.

Practical exercises:

Day 1: Axon – lateral mass screw fixation, occipito-cervical fixation
Vectra – anterior plating of cervical subaxial spine

Day 2: USS Fracture set- insertion of pedicle screws into T3, T10, T12
L3, L5, S1. Reduction of L3 burst fracture