**Spine Fellowship Curriculum**

**Goals/Objectives**:

* To create a cohesive 12 month spine curriculum that focuses on topic specific current and classic literature, evidence based practice, and current treatment algorithms.
* Each fellow will be responsible for giving a 15-20 minute presentation monthly on the assigned topic.
* There will be a total of 12 lectures, divided amongst the fellows

**Proposed Topics**:

1. **Lumbar Disc Herniation**: signs and symptoms, physical exam findings, imaging and anatomy, management and SPORT trial
2. **Cervical disc herniation with radiculopathy**: : signs and symptoms, physical exam findings, imaging and anatomy, management, ACDF outcomes, ACDF vs total disc replacement
3. **Lumbar stenosis**: signs and symptoms, physical exam findings, imaging and anatomy, management, SPORT trial and other literature
4. **Lumbar spondylolisthesis**: diagnosis and radiographic findings, classification systems, physical exam findings, treatment options, instrumented vs uninstrumented fusion, Herkowitz literature
5. **Cervical Myelopathy:** physical exam findings, radiographic findings, treatment/surgical options, anterior vs posterior option and decision making algorithm, laminoplasty as treatment option
6. **Adolescent Idiopathic Scoliosis:** classification, exam, treatment including bracing, growth modulation, decision of fusion levels, natural history
7. **Adult Deformity:** overview of pelvic parameters and measurements, sagittal balance, osteotomy options and rationale for choice
8. **Management of axial cervical trauma:** classification and C1 and C2 fractures, and treatment options, different types of C1-2 fixation/fusion, anatomic considerations
9. **Management of subaxial cervical trauma:** cervical trauma classification scheme, unilateral vs bilateral facet fracture/dislocations, timing of surgery and imaging
10. **Management of thoracolumbar trauma:** TLICS, non-op vs brace vs operative treatment, MIS vs open approach
11. **Tumor:** non-operative vs operative treatment, imaging, Patchells criteria, operative technique and approach, rationale for treatment
12. **Infection:** epidural abscess, discitis, osteomyelitis, imaging findings, treatment algorithm, operative treatment decision making