

Appendix 1 Search query

Ankylosing spondylitis[MeSH Terms] OR ankylosing spondylitis[Title/Abstract] OR ankylosing spinal disorder[Title/Abstract] OR spondyloarthritis[Title/Abstract] AND (fracture*[Title/Abstract] OR spinal fracture[Title/Abstract] OR vertebral fracture[Title/Abstract]) AND (surg*[Title/Abstract] OR fixation[Title/Abstract] OR posterior approach[Title/Abstract] OR anterior approach[Title/Abstract] OR combined approach[Title/Abstract] OR minimally invasive[Title/Abstract]) AND (outcome*[Title/Abstract] OR complication*[Title/Abstract] OR mortality[Title/Abstract] OR neurologic recovery[Title/Abstract] OR ASIA[Title/Abstract] OR fusion[Title/Abstract]) AND (elderly[Title/Abstract] OR geriatric[Title/Abstract] OR older[Title/Abstract] OR aged[MeSH Terms] OR comorbid*[Title/Abstract]) NOT (case reports[Publication Type] OR review[Publication Type]).