

## **Supplementary Material 1 Search Terms**

### ***Information Sources and Search Strategy***

The database of PubMed/MEDLINE was manually queried on Nov. 3, 2023. Search terms used were ("orthokine"[tiab] OR "autologous conditioned serum"[tiab] OR "regenokine"[tiab] OR "IL-1 receptor antagonist"[tiab] OR "IL-1Ra"[tiab] OR "anti-IL-1"[tiab] OR "anti IL-1"[tiab] OR "anti-IL-1R"[tiab] OR "anti IL-1R"[tiab]) AND ("Spine"[mh] OR "spine"[tiab] OR "spinal"[tiab] OR "Spinal Cord"[Mesh] OR "spinal cord"[tiab] OR "lumbar"[tiab] OR "cervical"[tiab] OR "thoracic"[tiab] OR "sacral"[tiab] OR "Spinal Cord Vascular Diseases"[Mesh] OR "Spinal Cord Neoplasms"[Mesh] OR "spine tumor"[tiab] OR "spinal tumor"[tiab] OR "Glioma"[Mesh] OR "glioma"[tiab] OR "Neurilemmoma"[Mesh] OR "schwannoma\*"[tiab] OR "Meningioma"[Mesh] OR "meningioma\*"[tiab] OR "Neurofibroma"[Mesh] OR "neurofibroma\*"[tiab] OR "Ependymoma"[Mesh] OR "ependymoma\*"[tiab] OR "Astrocytoma"[Mesh] OR "astrocytoma\*"[tiab] OR "ganglioma\*"[tiab] OR "Oligodendroglioma"[Mesh] OR "oligodendroglioma\*"[tiab] OR "subependymoma\*"[tiab] OR "Hemangioblastoma"[Mesh] OR "hemangioblastoma\*"[tiab] OR "Neurocytoma"[Mesh] OR "neurocytoma\*"[tiab] OR "Spinal Cord Injuries"[Mesh] OR "spinal cord injury"[tiab] OR "Spinal Cord Compression"[Mesh] OR "Myelitis"[Mesh] OR "myelitis"[tiab] OR "Myelitis, Transverse"[Mesh] OR "transverse myelitis"[tiab] OR "Osteoarthritis, Spine"[Mesh] OR "Spinal Stenosis"[Mesh] OR "spinal stenosis"[tiab] OR "Spinal Fractures"[Mesh] OR "spine fracture\*"[tiab] OR "spinal fracture\*"[tiab] OR "spine surgery"[tiab] OR "spinal surgery"[tiab] OR "Spinal Fusion"[Mesh] OR "spine fusion"[tiab] OR "spondylodesis"[tiab] OR "Intervertebral Disc Displacement"[Mesh] OR "herniated disc\*"[tiab] OR "herniated disk\*"[tiab] OR "disc herniation"[tiab] OR "disk herniation"[tiab] OR "discectomy"[tiab] OR "discectomy"[tiab] OR "microdiscectomy"[tiab] OR "microdiscectomy"[tiab] OR "Laminectomy"[Mesh] OR "laminectomy"[tiab] OR "hemilaminectomy"[tiab] OR "Laminoplasty"[Mesh] OR "laminoplasty"[tiab] OR "foraminotomy"[tiab] OR "spine decompression"[tiab] OR "spinal decompression"[tiab] OR "scoliosis"[tiab] OR "scoliosis surgery"[tiab] OR "spine deformity"[tiab] OR "spinal deformity"[tiab] OR "spine deformities"[tiab] OR "spinal deformities"[tiab] OR "spine arthrodesis"[tiab] OR "spinal arthrodesis"[tiab] OR "spondylodesis"[tiab] OR "interbody fusion"[tiab] OR "Radiculopathy"[Mesh] OR "radiculopathy"[tiab] OR "Spondylarthritis"[Mesh] OR "spondylarthritis"[tiab] OR "Spondylosis"[Mesh] OR "spondylolysis"[tiab] OR "spondylolysis"[tiab] OR "Meningitis"[Mesh] OR "meningitis"[tiab] OR "Spondylitis"[Mesh] OR "spondylitis"[tiab] OR "spondylodiscitis"[tiab] OR "spondylodiskitis"[tiab] OR "Discitis"[Mesh] OR "discitis"[tiab] OR "diskitis"[tiab] OR "vertebral osteomyelitis"[tiab] OR "Cordotomy"[Mesh] OR "cordotomy"[tiab] OR "Meningomyelocele"[Mesh] OR "meningomyelocele"[tiab]).