

Appendix A – Search Query

(a) Study population

Spine[Title/Abstract] OR Vertebra*[Title/Abstract] OR cervical spine[Title/Abstract] OR Facet joint[Title/Abstract] OR Cervical vertebrae[Title/Abstract] OR thoracic vertebrae[Title/Abstract] OR lumbar vertebrae[Title/Abstract] OR thoracic spine[Title/Abstract] OR lumbar spine[Title/Abstract] OR sacro*[Title/Abstract] OR spinal sacrum[Title/Abstract] OR sacral[Title/Abstract] OR thoracolumbar[Title/Abstract] OR cervicothoracic[Title/Abstract] OR craniocervical[Title/Abstract] OR intervertebral[Title/Abstract] OR Spondyl* Osteoarthritis, Spine[Title/Abstract] OR radiculopath*[Title/Abstract] OR myelopath*[Title/Abstract] OR herniated disc[Title/Abstract] OR herniated disk[Title/Abstract] OR bulged disc[Title/Abstract] OR slipped disc[Title/Abstract] OR ruptured disc[Title/Abstract] OR nerve root[Title/Abstract] OR kyphos*[Title/Abstract] OR lordosis[Title/Abstract] OR listhes*[Title/Abstract] OR laterolisthes*[Title/Abstract] OR scolios*[Title/Abstract] OR anterolisthes*[Title/Abstract] OR retrolisthes*[Title/Abstract] OR olisthes*[Title/Abstract] OR adjacent segment[Title/Abstract] OR adjacent level[Title/Abstract] OR “Spine” [Mesh] OR “Cervical vertebrae” [Mesh] OR “sacrum” [Mesh] OR “Thoracic Vertebrae” [Mesh] OR “Lumbar Vertebrae” [Mesh] OR “Spondylosis” [Mesh] OR “Osteoarthritis, Spine” [Mesh] OR “Spondylolisthesis” [Mesh] OR “Spinal Cord Compression” [Mesh] OR “Radiculopathy” [Mesh] OR “Intervertebral Disc Displacement” [Mesh] OR “Spinal cord diseases” [Mesh] OR “spinal cord injuries” [Mesh] OR “spinal cord ischemia” [Mesh] OR “Thoracic Vertebrae” [Mesh]

(b) Intervention

Surger*[Title/Abstract] OR Decompress*[Title/Abstract] OR discectom*[Title/Abstract] OR discectom*[Title/Abstract] OR lamin*[Title/Abstract] OR fusion[Title/Abstract] OR vertebrectom*[Title/Abstract] OR corporectom*[Title/Abstract] OR vertebral condensation*[Title/Abstract] OR interlaminar implant[Title/Abstract] OR interlaminar spacers[Title/Abstract] OR Interlaminar interspinous implant[Title/Abstract] OR stabilization[Title/Abstract] OR stabilization[Title/Abstract] OR cervical arthroplast*[Title/Abstract] OR cervical disc arthroplast*[Title/Abstract] OR “Discectomy” [Mesh] OR “spinal fusion” [Mesh] OR “surgical procedures, operative” [Mesh] OR “Laminectomy” [Mesh] OR “Total disc replacement” [Mesh] OR “Foraminotomy” [Mesh]

(c) Study Types

Economic[Title/Abstract] OR Charge*[Title/Abstract] OR cost*[Title/Abstract] OR Consumer Price[Title/Abstract] OR Consumption*[Title/Abstract] OR Pricing[Title/Abstract] OR Expenditures[Title/Abstract] OR Macroeconomic[Title/Abstract] OR Microeconomic[Title/Abstract] OR Easterlin Hypothesis[Title/Abstract] OR Decision-analytic model[Title/Abstract] OR Markov[Title/Abstract] OR Budget[Title/Abstract] OR health technolog*[Title/Abstract] OR “Cost-Benefit Analysis” [Mesh] OR “Costs and Cost Analysis” [Mesh] OR “Economics” [Mesh] OR “Health Care Costs” [Mesh] OR “Hospital Costs” [Mesh] OR “Health Expenditures” [Mesh]

(d) Specific guidelines

Guideline [Title/Abstract] OR "Guidelines as Topic"[Mesh]

(e) Specific cost-effectiveness

Economic evaluation [Title/Abstract] OR Decision-analytic model[Title/Abstract] OR Markov[Title/Abstract] OR Cost-Benefit Analysis[Title/Abstract] OR cost-effectiveness analysis[Title/Abstract] OR "Cost-Benefit Analysis" [Mesh] OR "Costs and Cost Analysis" [Mesh] OR "Economics" [Mesh] OR "Health Care Costs" [Mesh] OR "Hospital Costs" [Mesh] OR "Health Expenditures" [Mesh]

Final Search: (A AND B AND C) OR (D AND E)