

Supplementary Material 1. Detailed search strategy.**Cochrane Library**

Search Name:

Date Run: 30/12/2024

Comment:

ID	Search	Hits
#1	MeSH descriptor: [Vertebroplasty] explode all trees	278
#2	(vertebral augmentation)	132
#3	MeSH descriptor: [Kyphoplasty] explode all trees	126
#4	(Vertebroplasty, Balloon) OR (Balloon Vertebroplasty)	54
#5	MeSH descriptor: [Bone Cements] explode all trees	580
#6	(Cement, Bone) OR (Bone Cement) OR (Glue, Bone) OR (Paste, Bone) OR (Glues, Bone)	1,441
#7	(Bone Paste) OR (Bone Glues) OR (Pastes, Bone) OR (Bone Glue) OR (Cements, Bone)	955
#8	(Bone Pastes)	14
#9	MeSH descriptor: [Polymethyl Methacrylate] explode all trees	279
#10	(instrumented spinal fusion)	418
#11	MeSH descriptor: [Spinal Fusion] explode all trees	1,665
#12	(Spondylosyndesis) OR (Spondylosyndeses) OR (Spinal Fusions) OR (Fusion, Spinal) OR (Fusions, Spinal)	3,475
#13	(Spondylodeses) OR (Spondylodesis)	77
#14	MeSH descriptor: [Scoliosis] explode all trees	781
#15	MeSH descriptor: [Spinal Curvatures] explode all trees	1,111
#16	(Curvature, Spinal) OR (Spinal Curvature) OR (Curvatures, Spinal)	288
#17	MeSH descriptor: [Lordosis] explode all trees	119
#18	MeSH descriptor: [Kyphosis] explode all trees	285
#19	(Hyperkyphoses) OR (Kyphoses) OR (Hyperkyphosis)	118
#20	#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9	2,091
#21	#10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19	4,475
#22	#20 and #21	70

Pubmed

Date Run: 12/30/2024

((Balloon Vertebroplasty) OR (Vertebroplasty, Balloon) OR (“Vertebroplasty”[Mesh]) OR (“Kyphoplasty”[Mesh]) OR (vertebral augmentation) OR (“Bone Cements”[Mesh]) OR (Bone Pastes) OR (Bone Glues) OR (Bone Paste) OR (Paste, Bone) OR (Pastes, Bone) OR (Bone Cement) OR (Cement, Bone) OR (Cements, Bone) OR (Bone Glue) OR (Glue, Bone) OR (Glues, Bone) OR (“Polymethyl Methacrylate”[Mesh])) AND ((proximal junctional failure) OR (proximal junctional fracture) OR (proximal junctional kyphosis) OR (PJK) OR (PJF) OR (instrumented failure)) AND (“Spinal Fusion”[Mesh]) OR (Fusion, Spinal) OR (Fusions, Spinal) OR (Spinal Fusions) OR (Spondylodesis) OR (Spondylodeses) OR (Spondylosyndesis) OR (Spondylosyndeses) OR (instrumented spinal fusion) OR (“Spinal Curvatures”[Mesh]) OR (Curvature, Spinal) OR (Curvatures, Spinal) OR (Spinal Curvature) OR (“Scoliosis”[Mesh]) OR (Scolioses) OR (“Kyphosis”[Mesh]) OR (Kyphoses) OR (Hyperkyphosis) OR (Hyperkyphoses) OR (“Lordosis”[Mesh]) OR (spinal deformity) OR (spinal deformities))

----- 301 results

Web of science

Date Run: 12/30/2024

(TS= (Balloon Vertebroplasty) OR TS= (Vertebroplasty, Balloon) OR TS= (“Vertebroplasty”[Mesh]) OR TS= (“Kyphoplasty”[Mesh]) OR TS= (vertebral augmentation) OR TS= (“Bone Cements”[Mesh]) OR TS= (Bone Pastes) OR TS= (Bone Glues) OR TS= (Bone Paste) OR TS= (Paste, Bone) OR TS= (Pastes, Bone) OR TS= (Bone Cement) OR TS= (Cement, Bone) OR TS= (Cements, Bone) OR TS= (Bone Glue) OR TS= (Glue, Bone) OR TS= (Glues, Bone) OR TS= (“Polymethyl Methacrylate”[Mesh])) AND (TS= (proximal junctional failure) OR TS= (proximal junctional fracture) OR TS= (proximal junctional kyphosis) OR TS= (PJK) OR TS= (PJF) OR TS= (instrumented failure)) AND (TS= (“Spinal Fusion”[Mesh]) OR TS= (Fusion, Spinal) OR TS= (Fusions, Spinal) OR TS= (Spinal Fusions) OR TS= (Spondylodesis) OR TS= (Spondylodeses) OR TS= (Spondylosyndesis) OR TS= (Spondylosyndeses) OR TS= (instrumented spinal fusion) OR TS= (“Spinal Curvatures”[Mesh]) OR TS= (Curvature, Spinal) OR TS= (Curvatures, Spinal) OR TS= (Spinal Curvature) OR TS= (“Scoliosis”[Mesh]) OR TS= (Scolioses) OR TS= (“Kyphosis”[Mesh]) OR TS= (Kyphoses) OR TS= (Hyperkyphosis) OR TS= (Hyperkyphoses) OR TS= (“Lordosis”[Mesh]) OR TS= (spinal deformity) OR TS= (spinal deformities))

-----141 results