

Table S1 Search strategy in the 8 databases to identify studies associated to robotic-assisted laminectomy

PubMed

Search strategy

#1 'Decompression, Surgical' [MeSH Terms] OR 'Surgical Decompression' [Title/Abstract] OR 'Decompressions, Surgical' [Title/Abstract] OR 'Surgical Decompressions' [Title/Abstract]

#2 Laminectomy [MeSH Terms] OR Laminectomies [Title/Abstract] OR Laminotomy [Title/Abstract] OR Laminotomies [Title/Abstract]

#3 #1 OR #2

#4 'Robotic Surgical Procedures' [MeSH Terms] OR Robot [Title/Abstract] OR robotic [Title/Abstract]

#5 #3 AND #4

Access Date: from 01/02/2020 to 01/03/2020

Published time: from 01/01/2000 to 01/03/2020

EMBASE

Search strategy

#1 'robotic spine surgical system'/exp

#2 'robotics'/exp

#3 'robot' OR 'robotic' OR 'robot**'

#4 #1 OR #2 OR #3

#5 'laminectomy'/exp

#6 'spinal cord decompression'/exp

#7 'never decompression'/exp

#8 'laminectomy' OR 'decompression'

#9 #5 OR #6 OR #7 OR #8

#10 #4 AND #9

Access Date: from 01/02/2020 to 01/03/2020

Published time: from 01/01/2000 to 01/03/2020

The Cochrane Library

Search strategy

#1 (Laminectom*):ti,ab,kw

#2 (Laminotom*):ti,ab,kw

#3 (Decompression):ti,ab,kw

#4 #1 or #2 or #3

#5 (robot*):ti,ab,kw

#6 #4 AND #5

Access Date: from 01/02/2020 to 01/03/2020

Published time: from 01/01/2000 to 01/03/2020

Web of Science

Search strategy

#1 TOPIC: Laminectom* or Laminotom* or Decompression

#2 TOPIC: Robot*

#3 #1 AND #2

#4 #3 with the exception of patent

Access Date: from 01/02/2020 to 01/03/2020

Published time: from 1900 to 2020

IEEE Xplore

Search strategy

#1 (Full Text & Metadata:Laminectomy or Laminectomies or Laminotomy or Laminotomies)

#2 ("Full Text & Metadata": "Surgical Decompression")

#3 ("Mesh_Terms": Decompression, Surgical)

#4 #1 OR #2 OR #3

#5 ("Full Text & Metadata": robot*)

#6 #4 AND #5

Access Date: from 01/02/2020 to 01/03/2020

Published time: from 1872 to 2020

CNKI

Search strategy:

(SU=' 椎板切除术 '+' 椎板减压术 '+' 椎板成形术 ') AND (SU=' 机器人手术 '+' 机器人 ')

Access Date: from 01/02/2020 to 01/03/2020

Published time: from 2000 to 2020

Wanfang

Search strategy

(主题:(椎板切除术)+ 主题:(椎板减压术)+ 主题:(椎板成形术)) AND (主题:(机器人手术)+ 主题:(机器人))

Access Date: from 01/02/2020 to 01/03/2020

Published time: from 2000 to 2020

SinoMed

Search strategy

(椎板切除术 OR 椎板减压术 OR 椎板成形术) AND (机器人手术 OR 机器人)

Access Date: from 01/02/2020 to 01/03/2020

Published time: from 2000 to 2020