

**Supplementary Table 2.** Record of lesion characteristics and surgical incision data for the group x-rays

No.	Spinal level and classification of lesions*	Pathologic diagnosis	Size <sup>†</sup> of lesions (cm)	Size of designed incision (cm)	Size of intraoperative incision (cm)
1	C2-3 Intradural-extramedullary	Neurilemmoma	2.4	6.5	6.6
2	C5-6 Intradural-extramedullary	Neurilemmoma	1.1	5.0	5.3
3	C8-T1 Intradural-extramedullary	Neurilemmoma	3.2	7.0	8.7
4	L2-3 Intradural-extramedullary	Neurilemmoma	2.6	7.0	7.0
5	T3-4 Intradural-extramedullary	Neurilemmoma	2.2	6.0	5.8
6	L1-2 Intradural-extramedullary	Neurilemmoma	3.6	8.0	8.3
7	T6-7 Intradural-extramedullary	Neurilemmoma	2.8	7.0	8.9
8	T5 Intradural-extramedullary	Neurilemmoma	1.5	5.5	5.6
9	T4-5 Intradural-extramedullary	Neurilemmoma	2.2	6.0	6.0
10	T9-10 Intradural-extramedullary	Neurilemmoma	2.9	7.0	8.8
11	L2 Intradural-extramedullary	Neurilemmoma	1.7	6.0	6.3
12	T7-9 Intradural-extramedullary	Neurilemmoma	4.1	8.0	10.1
13	T4-5 Intradural-extramedullary	Neurilemmoma	2.6	7.0	7.4
14	L3-5 Intradural-extramedullary	Neurofibroma	6.2	10.0	11.9
15	T10-11 Intradural-extramedullary	Neurofibroma	3.8	8.0	8.2
16	L4 Intradural-extramedullary	Meningioma	1.9	6.0	8.1
17	T2-3 Intradural-extramedullary	Meningioma	2.3	6.0	6.3
18	L1 Intramedullary	Glioma	1.7	6.0	5.8
19	T11-T12 Intramedullary	Ependymoma	2.6	7.0	7.1
20	L2-3 Intramedullary	Ependymoma	3.6	8.0	8.2

\*Intraspinal space-occupying lesions. †The longitudinal length of lesions.