

**Supplementary Table 1.** Summary of surgical-related complications and its detail

Parameters	Value	Time occurred after surgery	Treatment given?	Details
No. of complications (%)	4 (13.8)			
Wound infection/dehiscence	1	1 Week	Yes	Regular wound dressing and empirical oral antibiotics
Postoperative hematoma	1	2 Weeks	Yes	Revision surgery for exploration and hematoma removal
Neurological progression	1	Immediate	Yes	Revision surgery for exploration and wide decompression
Cerebrospinal fluid leakage	0	-	-	
Instrumentation Failure	0	-	-	
Local Tumor Recurrence	1	4 Months	Yes	Percutaneous vertebroplasty
Intraoperative mortality	0	-	-	