

Supplement 1. Likert scale questionnaire answers of the residents and their surgery data

No	PGY	I felt confident performing the endoscopic spine surgery on the model.	The training has increased my confidence in performing endoscopic spine surgery.	I was able to handle the endoscopic instruments effectively.	The training improved my technical skills in endoscopic spine surgery.	The model provided a realistic representation of spinal anatomy.	The training enhanced my understanding of spinal anatomy relevant to endoscopic surgery.	I am now more familiar with the steps involved in endoscopic spine surgery.	The training session provided a thorough overview of the endoscopic spine surgery procedure.	The hands-on experience with the model was an effective learning tool.	The feedback provided during the training was helpful for my learning.	I am satisfied with the overall quality of the training session.	I would recommend this training to other neurosurgery residents.
1	5	Agree (4)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Agree (4)	Strongly Agree (5)	Strongly Agree (5)	Agree (4)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)
2	2	Neutral (3)	Neutral (3)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Strongly Agree (5)
3	2	Strongly Agree (5)	Strongly Agree (5)	Agree (4)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Agree (4)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)
4	2	Agree (4)	Agree (4)	Agree (4)	Strongly Agree (5)	Agree (4)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)
5	2	Neutral (3)	Strongly Agree (5)	Neutral (3)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Agree (4)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)	Strongly Agree (5)
6	3	Neutral (3)	Agree (4)	Neutral (3)	Agree (4)	Neutral (3)	Neutral (3)	Agree (4)	Neutral (3)	Strongly Agree (5)	Strongly Agree (5)	Agree (4)	Strongly Agree (5)
7	4	Strongly Agree (5)	Strongly Agree (5)	Neutral (3)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Agree (4)	Strongly Agree (5)
8	5	Strongly Agree (5)	Agree (4)	Neutral (3)	Neutral (3)	Neutral (3)	Agree (4)	Agree (4)	Neutral (3)	Neutral (3)	Agree (4)	Agree (4)	Agree (4)