

Supplementary Table 1. LAP-VEGaS video assessment tool

Item description	Not presented (0)	Presented partially (+1)	Presented, completely (+2)	Remarks/reasons
1. Authors and institution information. Title of the video including name of procedure and pathology treated.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Videos were deidentified to blind reviewers on the surgeon performing the surgery to prevent reviewer bias.
2. Formal presentation of the case, including patient details and imaging, indication for surgery, comorbidities and previous surgery. Patient anonymity is maintained.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Only cases with rectal cancer were included in this study; no background information was provided to prevent reviewer bias.
3. Position of patient, access ports, extraction site and surgical team.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	All the procedures were laparoscopic TME, thus this was not covered in the video.
4. The surgical procedure is presented in a standardized step by step fashion.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Select steps were covered in the video: mobilization of rectum with TME, distal transection and formation of end-to-end colorectal anastomosis. These steps were identified as the most challenging after neoadjuvant therapy; thus, the video focused on these.
5. The intraoperative findings are clearly demonstrated, with constant reference to the anatomy.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
6. Relevant outcomes of the procedure are presented, including operating time, postoperative morbidity and histology when appropriate.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Not covered to prevent any reviewer bias on assessment of technical difficulty.
7. Additional graphic aid is included such as diagrams, snapshots and photos to demonstrate anatomical landmarks, relevant or unexpected finding, or to present additional educational content.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Reviewers were all practicing colorectal surgeons; thus, these were not included in the videos.
8. Audio/written commentary in English language is provided.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
9. The image quality is appropriate with constant clear view of the operating field. The video is fluent with appropriate speed.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All videos were 4K at 2 times speed, and the select steps were included at full length/duration.

LAP-VEGaS, Laparoscopic Surgery Video Educational Guidelines; TME, total mesorectal excision.