

JORS-LDG Score Sheet

Subtask	Score
Set up	
1. Setting patient to appropriate position	0 1
2. Checking and setting up the surgical instruments	0 1
3. Checking the operation of the instruments	0 1
Port insertion	
4. Safely insert the first camera port	0 1 2
5. Set the pneumoperitoneum to appropriate level	0 1
6. Insert operation ports under direct vision	0 1 2
Check distant metastasis	
7. Checking for the distant metastasis including peritoneal dissemination and liver metastasis	0 1
Liver retraction	
8. Ensure good visualization by gentle retraction of liver	0 1 2
LN dissection Grater curvature (#4d-4Sb)	
9. Resection of omentum by ensuring at least 3cm margin from gastroepiploic vessels	0 1 2
10. Visual confirmation to avoid injury to Transverse colon	0 1
11. Resection of LGEA	0 1 2
LN dissection Subpylorici (#6)	
12. Takedown of Transverse colon by dissection of fusion tissue	0 1 2
13. Confirmation of the confluence pattern of gastrocolic trunk	0 1 2
14. Identification of ASPDV and determine the lower margin of the dissection of #6 LN	0 1 2
15. Resection of RGEV	0 1 2
16. Confirmation of branching of ASPDA, RGEA, IPA from GDA	0 1 2
17. Resection of RGEA and IPA	0 1 2
Duodenum resection	
18. Determine the resection line of duodenum after confirming the location of the pyloric ring and resect the duodenum	0 1 2
LN dissection Suprapyloricus (#5)	
19. Resection of RGA after confirming its root	0 1 2
LN dissection Upper margin of pancreas (#8a,9)	
20. Ensure good visualization of upper margin of pancreas by gentle retraction of pancreas	0 1 2
21. Dissection of #8a LN by dissection of out layer of the nerve plexus of CHA	0 1 2

22. Resection of LGA and LGV after dissection around the vessels	0 1 2
LN dissection Lesser curvature (#1, 3)	
23. Dissection of #1 – 3 LN by dissection of the lesser curvature	0 1 2
Stomach resection	
24. Division of the stomach after confirming adequate margin from the lesion	0 1
Select to evaluate A. Roux-en-Y or B. Billroth-I reconstruction	
A. Roux-en-Y reconstruction (R-Y)	
25. Construction of tension free Roux limb	0 1
26. Gastro-jejunal anastomosis considering the location and diameter of the anastomosis	0 1 2
27. Jejuno-jeunal anastomosis taking in consideration the tension and reflux of intestinal fluid to the gastro-jejunal anastomosis	0 1 2
28. Closure of the Mesenteric defect between the mesentery of the limbs and jejunum	0 1 2
29. Closure of the Petersen's defect	0 1 2
B. Billroth-I reconstruction (B-I)	
30. Confirmation that there is no excessive tension between the remnant stomach and duodenum	0 1
31. Gastro-duodenal anastomosis considering the diameter of the anastomosis	0 1 2
Check final appearance	
32. Confirmation that there is no bleeding in the whole operation field	0 1
33. Confirmation of the final appearance	0 1
/ 52 points (R-Y)	
/ 46 points (B-I)	

[Evaluation Criteria]

Scoring by 2 grades	Scoring by 3 grades
0 not performed	0 Unable to perform due to lack of knowledge and skill
1 performed	1 Need moderate guidance due to insufficient knowledge and skill 2 Able to perform independently without guidance