

Supplementary Online Content

Eryigit Ö, van der Graaf FW, Nieuwenhuijs VB, et al. Association of video completed by audio in laparoscopic cholecystectomy with improvements in operative reporting. *JAMA Surg*. Published online May 20, 2020. doi:10.1001/jamasurg.2020.0741

eAppendix. Requirements for an adequate video recording, audio recording, and operative note.

eTable. Independent reviewer form.

eFigure. Flow diagram summarizing the steps taken to conduct this study.

This supplementary material has been provided by the authors to give readers additional information about their work.

eAppendix. Requirements for an adequate video recording, audio recording, and operative note

Based on an evidence-based Dutch guideline: Diagnosis and treatment of cholelithiasis. Association of Surgeons of the Netherlands (NVvH); 2016. [Available from: https://heelkunde.nl/sites/heelkunde.nl/files/richtlijnen-definitief/Richtlijn_Galsteenlijden_09032016.pdf].

Step 1: Introduction and positioning of trocars under vision

- a) Introduction of the first accessory trocar under vision
- b) Introduction of the second accessory trocar under vision
- c) Introduction of the third accessory trocar under vision

Step 2: Inspection of surgery site

- a) Inspection and description of the gallbladder condition
- b) Inspection and description of the liver condition

Step 3: Circumferential dissection of the cystic duct and the cystic artery

Step 4: Transection of the cystic artery (by clipping or sealing)

Step 5: Transection of the cystic duct (by clipping or sealing)

Step 6: Removal of the gallbladder from the liver bed

Step 7: Inspection of liver hemostasis

Step 8: Presence of bile or stone spill

Step 9: Use of saline irrigation (if used)

Step 10: Placement of drain (if present)

Step 11: Removal of trocars under vision and check for port side bleeding (intraperitoneal trocar sites)

- a) Removal of the first accessory trocar under vision
- b) Removal of the second accessory trocar under vision
- c) Removal of the third accessory trocar under vision

eTable. Independent reviewer form

LAPAROSCOPIC CHOLECYSTECTOMY INDEPENDENT REVIEWER FORM (SONAR-TRIAL)

ANONYMIZED CASE
IDENTIFICATION CODE

--	--	--	--	--	--	--	--	--	--

REVIEW DATE

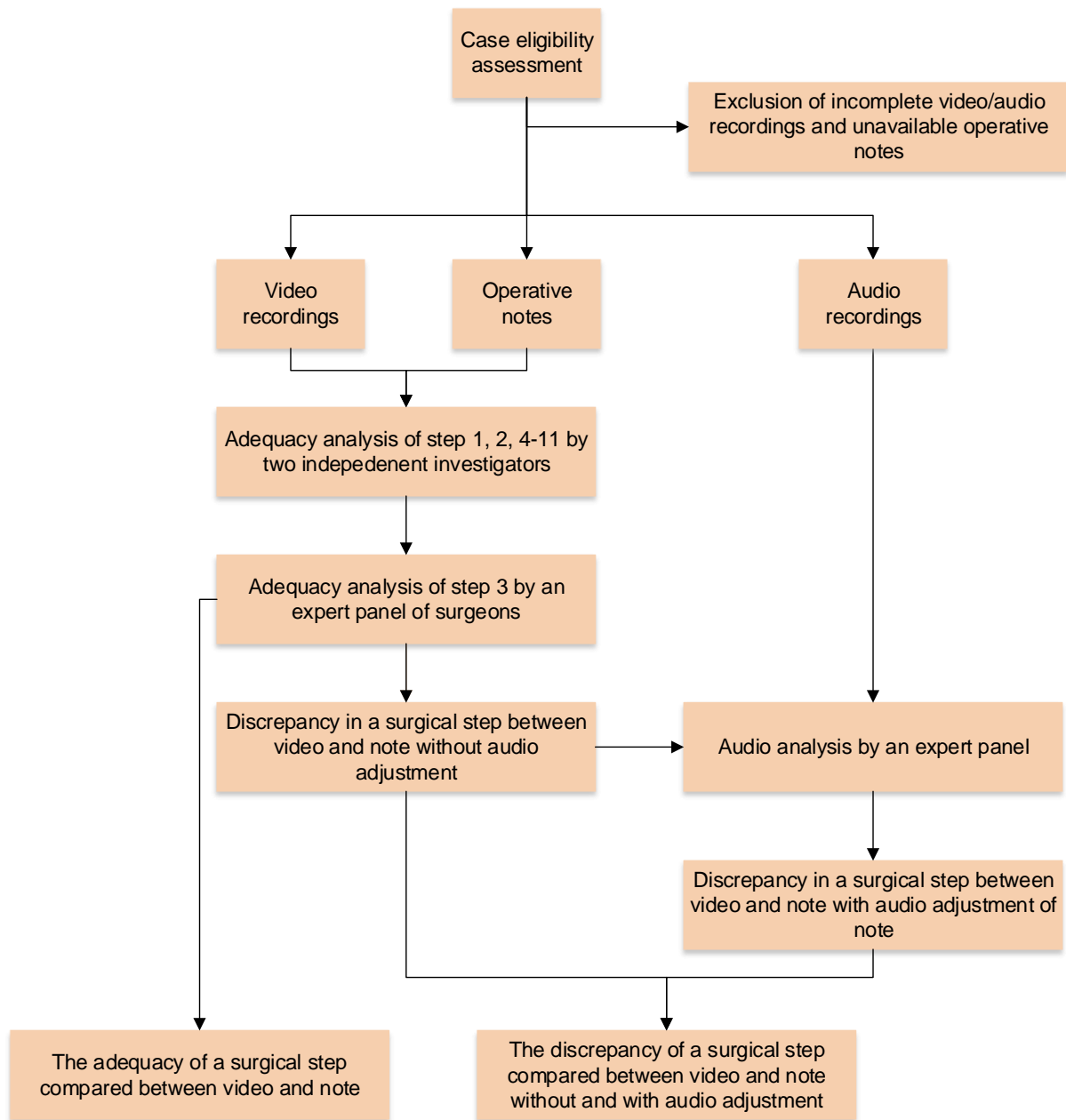
D	D	M	M	Y	Y	Y	Y
---	---	---	---	---	---	---	---

REVIEWER (INITIALS,
LAST NAME)

--

STEPS RECORDED

		VIDEO		NOTE		AUDIO		COMMENTS
1a	Introduction of the first accessory trocar	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
1b	Introduction of the second accessory trocar	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
1c	Introduction of the third accessory trocar	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
2a	Inspection of the gallbladder	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
2b	Inspection of the liver condition	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
3	Circumferential dissection of the cystic duct and the cystic artery	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
4	Transection of the cystic artery	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
5	Transection of the cystic duct	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
6	Removal of the gallbladder from the liver bed	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
7	Inspection of liver hemostasis	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
8	Presence of spill (clear or purulent bile, stones)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
9	Saline irrigation (if used)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
10	Drain placement (if present)	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
11a	Removal of the first accessory trocar	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
11b	Removal of the second accessory trocar	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	
11c	Removal of the third accessory trocar	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Yes <input type="checkbox"/>	No <input type="checkbox"/>	



eFigure - Flow diagram summarizing the steps taken to conduct this study