



Robotic Surgery Educational Resources: Cholecystectomy, Firefly Fluorescence Imaging, Intraoperative Cholangiogram

Robotic Cholecystectomy:

Greenberg S, Assali MA, Li Y, Bossie H, Neighorn C, Wu E, Mukherjee K. ROBOTic Care Outcomes Project (ROBOCOP) for Acute Gallbladder Pathology. *J Trauma Acute Care Surg*. 2024 Jan 9.

Hawley KL, Nagaraj M, Marshall WA. Optimizing robotic utilization: the role of preoperative grading scales in prioritizing robotic surgery for minimally invasive cholecystectomy. *Trauma Surg Acute Care Open*. 2025;10(1):e001713.

Kalata S, Thumma JR, Norton EC, Dimick JB, Sheetz KH. Comparative Safety of Robotic-Assisted vs Laparoscopic Cholecystectomy. *JAMA Surg*. 2023 Dec 1;158(12):1303-1310.

Klein J, Lemma M, Prabhakaran K, et al. Robotic versus Laparoscopic Emergency and Acute Care Surgery: Redefining Novelty (RLEARN): feasibility and benefit of robotic cholecystectomy for acute cholecystitis at a level 1 trauma center. *Trauma Surg Acute Care Open*. 2024;9(1):e001522.

Maegawa FB, Stetler J, Patel D, Patel S, Serrot FJ, Lin E, Patel AD. Robotic compared with laparoscopic cholecystectomy: A National Surgical Quality Improvement Program comparative analysis. *Surgery*. 2024 Sep 13:S0039-6060(24)00585-3.

Robotic Choledochoscopy:

Acho R, Calzon M, & Docimo S. (2024). How I Do It: Robotic Choledochoscopy. *Surgical Laparoscopy, Endoscopy & Percutaneous Techniques*, 34(2), 233-236.

Laparoscopic Choledoschoscopy:

Gilsdorf D, Henrichsen J, Liljestrand K, et al. Laparoscopic Common Bile Duct Exploration for Choledocholithiasis: Analysis of Practice Patterns of Intermountain Healthcare. *J Am Coll Surg*. 2018;226(6):1160-1165.

Morton A, Cralley A, Brooke-Sanchez M, Pieracci FM. Laparoscopic common bile duct exploration by acute care surgeons saves time and money compared to ERCP. *Am J Surg*. 2022;224(1 Pt A):116-119.

Difficult Gallbladder

Seshadri A, Peitzman AB. The difficult cholecystectomy: What you need to know. J Trauma Acute Care Surg. 2024 Sep 1;97(3):325-336.

The Sages Safe Cholecystectomy Program

- <https://www.sages.org/safe-cholecystectomy-program/>
- Didactic modules can be accessed in the OWLS catalog. Please go to www.sages.org/owl and login if you're a SAGES Member or create an account if you're a non-member and this is your first time visiting the site.

Behind the Knife Podcasts:

- Taking Back the (Bile) Duct: Lap Common Bile Duct Exploration
- Journal Review in MIS: Robotic Emergency General Surgery

Behind the Knife Video Series:

- Laparoscopic Common Bile Duct Tutorial Series

Online Videos

Laparoscopic Common Bile Duct Exploration	
Boston Scientific LCBDE Discover Animation	https://bostonscientific.showpad.com/share/FsrkjTe5FWkQa2YRz52Ts
Robotic Choledocscopy	
ACS Spyglass	https://youtu.be/LL1owAYwuo4?si=otUqMe8aCRsmJvnS
Lithotripsy	
LCBDE with Digital Choledochoscopy and Electrohydraulic Lithotripsy	https://www.youtube.com/watch?v=kNxIqotOa3M&t=106s

Facebook Groups:

International Hernia Collaborative
Robotic Surgery Collaboration

AAST ROBO-TRACS Webinars:

<https://www.aast.org/robo-tracs>

MIS Conferences with Cholecystectomy Education:

- Society of Robotic Surgery
- SAGES