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Educational video

## Cholecystectomy at the time of open cytoreductive surgery for ovarian cancer

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### ABSTRACT

**Introduction:** We sought to demonstrate a method of performing open cholecystectomy at the time of cytoreductive surgery for ovarian cancer.

**Case/Methods:** In this surgical film, we present the case of a 78-year-old woman with metastatic high-grade serous ovarian cancer who underwent primary cytoreductive surgery at Memorial Sloan Kettering Cancer Center (New York, NY). The surgery was recorded via video, and important steps of performing a cholecystectomy were highlighted. The indications for cytoreductive surgery and cholecystectomy were discussed. Right upper quadrant anatomy was reviewed, including key anatomic variants that can lead to inadvertent injury during dissection. The critical view of safety was emphasized, highlighting the requirement of clear visualization of the structures of the hepatocystic triangle (Strasberg et al., 1995; Strasberg and Brunt, 2010; Manatakis, 2023). Key considerations in identifying, isolating, and ligating the cystic artery and duct were reviewed. Perioperative outcomes were summarized.

**Conclusion:** Performance of cholecystectomy at the time of cytoreductive surgery for advanced ovarian cancer is safe and feasible (Son, 2023). Anatomic variants to the biliary system are common, and it is important to be vigilant of the location and course of key structures to avoid inadvertent injury.

### 1. Consent statement

The patient provided verbal consent to allow the authors to prepare and publish the surgical film.

### Funding

This research was funded in part by the National Institutes of Health/National Cancer Institute Cancer Center Support Grant P30 CA008748.

### CRediT authorship contribution statement

**Lindsey Finch:** Writing – original draft, Project administration, Methodology, Conceptualization. **Danyal Ahsan Muhammad:** Writing – review & editing, Project administration, Investigation. **Dennis S. Chi:** Writing – review & editing, Project administration, Methodology, Conceptualization, Supervision.

### Declaration of Competing Interest

The authors declare the following financial interests/personal

relationships which may be considered as potential competing interests: DS Chi reports personal fees from Apyx Medical, Verthermia Inc., Biom 'Up, and AstraZeneca, as well as recent or current stock/options ownership of Apyx Medical, Verthermia, Intuitive Surgical, Inc., Trans-Enterix, Inc., Doximity, Moderna, and BioNTech SE. The other authors do not have potential conflicts of interest to declare.

### Appendix A. Supplementary data

Supplementary data to this article can be found online at <https://doi.org/10.1016/j.gore.2024.101369>.

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<https://doi.org/10.1016/j.gore.2024.101369>

Received 5 March 2024; Received in revised form 14 March 2024; Accepted 15 March 2024

Available online 23 March 2024

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