

Laparoscopic Common Bile Duct Exploration

Course Directors

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Course Description

Gallstone disease is leading cause of abdominal pain causing patients to seek medical care in the United States. Contemporary data suggests that 5-17% of patients who undergo a laparoscopic cholecystectomy (LC) will be found to have common bile duct stones. The management of these patients has traditionally involved the use of endoscopic retrograde cholangiopancreatography (ERCP) either pre- or post-operatively, leading to decreased familiarity with the LCBDE procedure among practicing surgeons. This one-day course will offer participants the opportunity to learn the necessary technical skills to perform a successful LCBDE through didactic sessions and targeted practice on a validated LCBDE simulator that incorporates laparoscopic, endoscopic and fluoroscopic views.

After this course, participants will:

- Have a greater understanding of the clinical impact of choledocolithiasis and the implications on surgical practice. Topics covered will include:
 - Current trends in management
 - Current surgical training paradigm
 - Clinical outcomes research comparing LCBDE versus ERCP
- Describe the indications and contraindications for performing a LCBDE in a patient presenting with choledocolithiasis
- Understand and describe the procedural steps necessary to complete a LCBDE
 - Description of necessary durable equipment
 - Strategies for training ancillary staff (OR nurses, scrub technicians)
- Practice on validated LCBDE simulator. Participants will:
 - Perform a pre- and post-evaluation on LCBDE simulator
 - Complete post-course written test to assess knowledge of covered topics

Location: Northwestern University Feinberg School of Medicine
Department of Medical Education/ Northwestern Simulation
Chicago, Illinois USA