Laparoscopic Common Bile Duct Exploration

Course Directors
Eric S. Hungness, MD
Alexander Nagle, MD

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