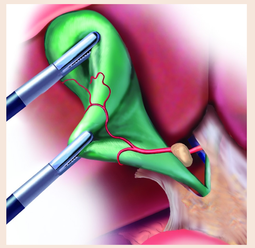
Chronic Complications of Common Bile Duct Injuries in the Era of Laparoscopic Cholecystectomy: Is it Time for a National Registry?

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INTRODUCTION

- Injuries to the extrahepatic biliary tree, collectively referred to as common bile duct injuries, are rare complications of laparoscopic cholecystectomy (0.1-0.5%).
- Long-term complications of such injuries can be difficult to diagnose and manage and include
  - ✓ Biliary strictures
  - ✓ Recurrent infectious cholangitis
  - ✓ Secondary sclerosing cholangitis
  - ✓ Hepatic fibrosis and cirrhosis
- *There is currently no national standardized registry that gathers and monitors acute and chronic complications of common bile duct injuries.*

METHODS AND PROCEDURES

- Analytical review of the literature using PubMed medical library
- Search extended to identify locoregional, national, or international registry systems that have been instituted to chronically follow patients with such complications in the United States or elsewhere

RESULTS

- No standardized data collection registry exists currently in the United States or in other national health systems.
- The consequences of common bile duct injuries, such as impact on life span, development of comorbidities and quality of life of these patients, remain unknown.

CONCLUSIONS

- *Due to the potentially harmful effect of common bile duct injuries on quality of life and overall health care, a national surgical registry should be instituted across the United States to assess in a standard fashion the short- and long-term impact of CBD injuries, including delayed presentations, with the goal of quality improvement in surgical care and patient outcomes.*

PROPOSED NATIONAL REGISTRY ON COMMON BILE DUCT INJURIES AFTER LAPAROSCOPIC CHOLECYSTECTOMY

Initial Operation

- Indication for laparoscopic cholecystectomy
- Pre-operative laboratory and imaging work-up
- Timing of laparoscopic cholecystectomy
- Emergency vs Elective setting
- Performance of intra-operative cholangiogram
- Discharge and outpatient follow-up

Presentation with Common Bile Duct Injury Complication

- Timing of presentation and duration of symptoms
- Diagnosis at presentation
- Laboratory and imaging work-up
- Type of common bile duct injury (per Bismuth classification)
- Community vs Tertiary hepatobiliary center
- Operative vs Non-operative management
- Quality of life pre- and post- management of complication