

Operative Indication Is a Poor Predictor of Histological Inflammation in Adult Cholecystectomy.

Interim Results From Feasibility of Predicting Incidental Gallbladder Cancer.

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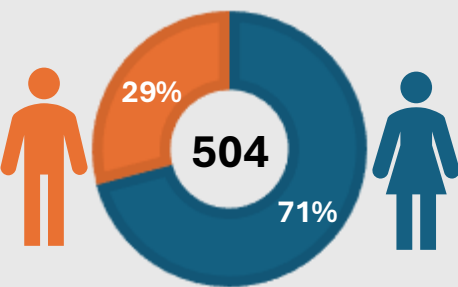
AT A GLANCE



The aim of this analysis was to examine how pre-operative indications reflect underlying histological inflammation in cholecystectomy



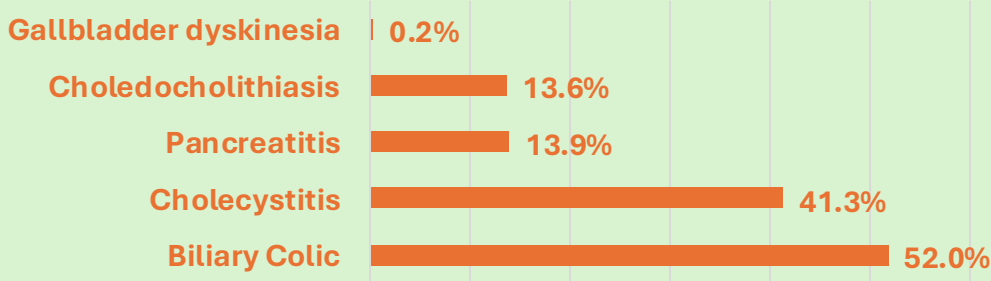
Patients with cholecystitis and pancreatitis are usually prioritised over uncomplicated biliary colic.



Age: 53
(19-90)



BMI: 30.9
(18.5-58.4)



Chronic inflammation at histology is common to all indications for cholecystectomy. Clinical diagnoses may therefore underestimate the burden of inflammatory disease. This may reflect inequity for patients initially labelled as biliary colic.



Acute cholecystitis (diagnosed at histopathology)

Indication	% with AC
Biliary colic	6.9% OR 0.83 p=0.625
Cholecystitis	21.6% OR 4.73 p<0.001
Pancreatitis	5.7% OR 0.64 p=0.441
Choledocholithiasis	13.6%
With cholangitis	50.0% OR 8.97 p=0.003
With obstruction	10.9% OR 1.26 p=0.659
Uncomplicated	-



Chronic cholecystitis (diagnosed at histopathology)

Indication	% with CC
Biliary colic	87.8% OR 2.26 p=0.69
Cholecystitis	87.0% OR 2.03 p=0.109
Pancreatitis	87.1% OR 1.83 p=.236
Choledocholithiasis	89.4%
With cholangitis	80.0% OR 1.06 p=0.944
With obstruction	91.3% OR 2.53 p=0.120
Uncomplicated	90.9% OR 1.80 p=0.586

DESIGN

Multicentre, trainee collaborative
Cross-sectional study
Prospective, consecutive identification
Non-consented, de-identified data collected in REDCap

ELIGIBILITY

Adult patients undergoing cholecystectomy during the recruitment window
Surgery for benign diseases
• Gallstone complications
• Dyskinesia

EXCLUSIONS

Patients with described high-risk for cancers
• Polyps >5mm
• Mirizzi III/IV
• Pre-operative history/suspicion of biliary malignancy
• High risk congenital abnormalities
Cholecystectomy as part of another procedure

ANALYSIS

Secondary analysis of feasibility data
Paired operative indication and final histopathological diagnoses compared
Logistic regression to calculate odds of indication predicting histology

