

Use of percutaneous cholecystostomy for complicated acute lithiasic cholecystitis: solving or deferring the problem?

Adnan Malik

University Hospital Coventry and Warwickshire, UK

Aim:

To assess the short and long-term outcomes of patients who had percutaneous cholecystostomy insertion due to severe lithiasic cholecystitis, aiming to define areas for improvement.

Methods:

Retrospective review of our institutional practice including all patients who had a percutaneous cholecystostomy for complex lithiasic cholecystitis, over a 5-year period, allowing for an additional 1-year follow up.

Results:

A total of 34 patients were included. Percutaneous cholecystostomy insertion enabled quick and efficient control of the source of biliary sepsis without major procedural complications in all cases. In 14 (41.2%) patients, cholecystostomy alone served as definitive treatment, while in 20 (58.9%) cases it was used as bridging strategy for delayed elective cholecystectomy. In the delayed cholecystectomy group of patients, we noted a high conversion rate from laparoscopic to open surgery rate of 70%, with an overall subtotal cholecystectomy rate of 60%.

Conclusion:

Percutaneous cholecystostomies should be reserved only for complex lithiasic cholecystitis patients who are unwilling and/or unfit for surgery. We advocate the performance of upfront emergency cholecystectomy in any other case with liberal use of operative bail-out strategies, as a delayed elective operation is anyway likely to be converted to open and/or subtotal cholecystectomy.

Recent Publications

Malik A et al. Single-centre experience of emergency hernia surgery during COVID-19 pandemic. *Med Glas (Zenica)* 2021 Aug 1;18(2):463-467

Malik A et al. A man with suprapubic and scrotal ecchymosis. *J Am Coll Emerg Physicians Open.* 2021 May 1;2(3):e12431.

Seretis C, Malik A et al. Perioperative Intraperitoneal Chemotherapy for Peritoneal Surface Malignancies. *J Clin Med Res* 2020 Dec;12(12):773-779

Malik A et al. An elderly woman with intermittent and progressive abdominal pain. *J Am Coll Emerg Physicians Open.* 2021 Jul 31;2(4):e12504.

Seretis C, Malik A et al. Percutaneous Retroperitoneoscopic Drainage of Complex Extraperitoneal Abscesses Using Flexible Endoscopy: *Chirurgia (Bucur)* Nov-Dec 2020;115(6):792-797.

Biography

Adnan Malik is a surgical trainee at University Hospitals Coventry and Warwickshire NHS Trust. He is a member of the Royal College of Surgeons of England and has also completed a bachelor of medical science from the University of Nottingham in which his dissertation was on enhanced recovery of surgery. He has a keen interest in surgical academia and has published widely on a range of topics

adnan.malik93@doctors.net.uk