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The effect of time interval between endoscopic retrograde cholangiopancreatography and laparoscopic cholecystectomy

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Introduction & Aim: The appropriate time for Laparoscopic Cholecystectomy (LC) following Endoscopic Retrograde Cholangiopancreatography (ERCP) in patients with obstructive choledocholithiasis is controversial. We aim to compare early versus delayed LC after ERCP in patients with calcular obstructive jaundice as regards conversion rate, postoperative morbidity and hospital stay.

Method: This study was conducted on 124 patients who underwent LC after ERCP due to calcular obstructive jaundice. Patients were randomly classified to two groups; in the first group (early group, n=62) LC was performed within 72 hours after ERCP, while in the second group (delayed group, n=62) LC was performed after 6 weeks.

Result: Conversion to open cholecystectomy was significantly more incident when LC was delayed for more than 6 weeks after ERCP (22.6% in delayed group versus 6.5% in early group). The duration of surgery and the postoperative hospital stay in the early group was significantly shorter than that of the delayed group (42.3±10.6 minutes versus 72.2±16.8 minutes and 1.1±1.9 day versus 3.5±1.2 days, respectively). No statistically significant difference was found between both groups as regarding the postoperative morbidity.

Conclusion: Performing LC as early as possible (within 72 hours after ERCP) lowers the conversion rate to open cholecystectomy thus decreasing the anticipated postoperative morbidity and prolonged hospital stay.

Biography

Gouda El-Labban is currently the Professor of Surgery. He has completed his PhD from the University of Birmingham UK in Hepatobiliary Surgery. He previously served as Head of the Emergency medicine Department at Suez Canal University Hospital. He served as a member in a major international project funded by the European Commission in Medical Informatics. Throughout his career, he has published many research studies in international journals and conferences. Part of his professional service is reviewing manuscripts and proposals for international journals with high impact factors, in addition to coordinating many conferences of Surgery and Laparoscopy. His main research interests are Hepatobiliary and Laparoscopic Surgery. His work at the SCU Hospital involves teaching undergraduate and postgraduate students and training postgraduates on operative maneuvers.

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