LAPAROSCOPIC SURGERY IN PATIENTS WITH CYSTIC FIBROSIS

Michael El Boghdady (1, 2), Béatrice M. Ewalds-Kvist (3,4)

- (1) University of Edinburgh, UK, (2) General Surgery Department, Croydon University Hospital.
- (3) Stockholm University, Sweden, (4) University of Turku, Finland

Aims:

in CF patients.

advantageous for Cystic fibrosis (CF) patients because it carries less complications compared to open surgery. However, it might be of concerns due to the pulmonary and

cardiovascular complications in CF

patients. We aimed to systematically

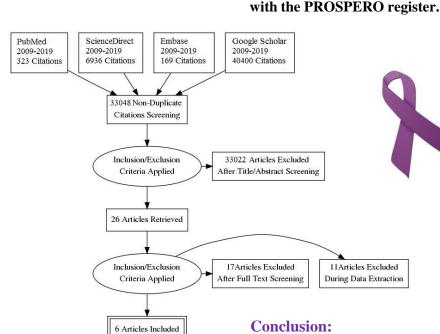
review the use of laparoscopic surgery

Laparoscopic surgery might be

Methods:

compliance with PRISMA guidelines. A literature search using PubMed/Medline, ScienceDirect, Embase and Google Scholar, was performed using the search terms "cystic fibrosis and laparoscopic surgery". Grading of Recommendations Assessment, Development and Evaluation (GRADE) criteria were applied. The protocol was registered

A systematic review was performed in



Results:

Six studies met the premeditated inclusion criteria, two studies satisfied high and four citations completed moderate quality scores out of max. 30 scores. The interrater correlation was convincing ($r_s = .95$, p=.02, 2-tailed). Thus, three quantitative and three qualitative citations were assessed and evidence-

graded in agreement with GRADE four-level evidence-grading protocol.

The benefits of laparoscopic surgical interventions for patients with CF were supported with strong evidential value and were recognized as a safe and suitable surgical option.

Key statement:

Laparoscopic surgery can be safe in patients with CF, in case the patients are preoperatively prepared by the treating cardiologist and anesthetist.

Correspondence: Michael.elboghdady@nhs.net; further reading: Asian Journal of Endoscopic Surgery (2020). DOI: 10.1111/ases.12874