

MEETING ABSTRACT

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# ERCP and laparoscopic cholecystectomy in a combined (one-step) procedure with a novel technique

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## Background

This study compared the benefit of the novel one-step procedure for the management of calculous biliary disease.

## Methods

A retrospective review of 25 geriatric patients was conducted one-step procedure with positionment of loop in jejunum for reductions a little bowel distention. In 24 of the patients, the one-step technique was successful (96 %); in the remaining 1 patient (4%), conversion open technique was necessary; in this case not positionment of loop in jejunum. We define the one-step procedure to be a laparoscopic cholecystectomy with IOC to confirm the presence of stone, to be a gold standard; intraoperative ERCP with stone extraction was conducted if necessary as part of the one-step procedure.

## Result

This technique evidence a statistically significant difference of the hospital cost, such as the length of the stay and pre operative day and reduce the high conversion rate with alternatively technique in two-step. The incidence of overall complications was lower in the one-step technique. The findings showed that one-step technique was associated with less clinical pancreatitis respect at the two-stage technique.

## Conclusion

A laparoscopic cholecystectomy after ES is lengthier and more difficult than in uncomplicated cholelithiasis and should therefore be performed by an experienced surgeon.

This new technique appears to be a significant conversion reduction versus two step procedure, and reduce the cost of hospitality and length of stay and preoperative days. Further research with a larger study population is necessary to determine the additional benefits of this procedure.

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