Our Experience in Laparoscopic Management of Patients with Remnant Gall bladder

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Introduction

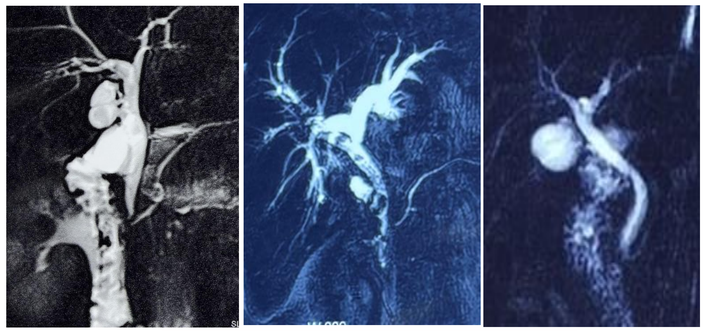
- 'Post-cholecystectomy Syndrome' rare but important complication of remnant GB/GB stump.[1,2]
- Symptom - similar to primary gallstones (biliary colic or acute cholecystitis).
- High index of suspicion to diagnose.
- Diagnosed on ultrasound or MRCP.

Aim

To analyse surgical outcomes and complications associated with laparoscopic completion cholecystectomy

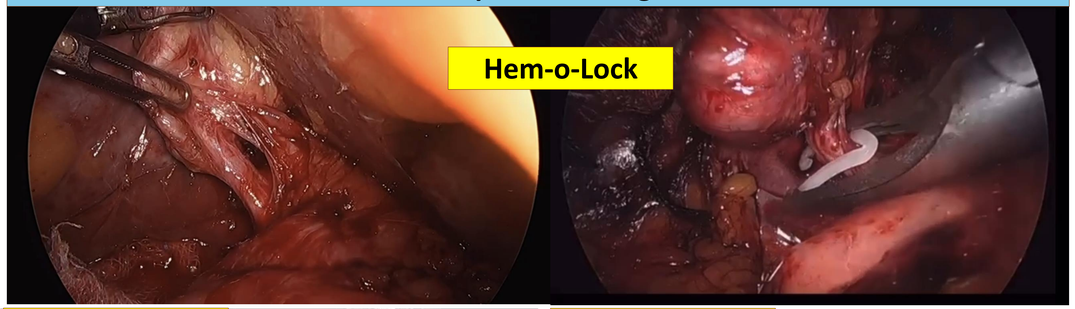
Methodology

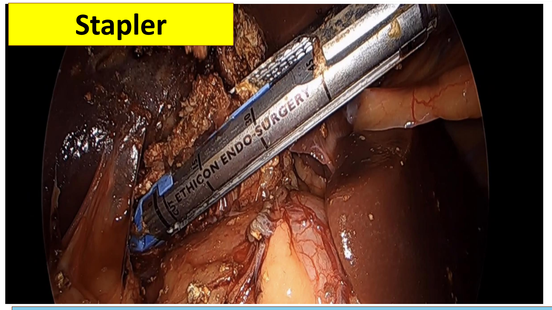
Retrospective analysis of prospectively maintained database of completion cholecystectomy for residual gallbladder stump between Feb 2019 and Jan 2024.

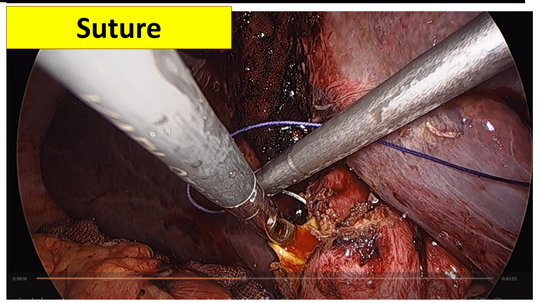


MRCP showing residual gall bladder

Intraoperative Images







Results

- Study included 25 patients (20 Female/ 5 Male).
- Mean age - 45 years (range, 28–73 years).
- Onset of symptoms from index surgery –Range 4 months to 11 years.
- Presenting Symptom- Dyspepsia (21), Pain Abdomen (18), Jaundice (5).
- Readmission- One patient on POD 4 due to hypotension and DL showed omental hematoma.

Operative and post operative outcomes	Value	Range
Mean Operative time	64 min	45 – 120 min
Median Blood Loss	50 ml	20-200 ml
Median Hospital Stay	4 days	1-15 days
Sub Hepatic Drain	All Cases	
Mortality	0	

Surgical Parameter	Value
Initial Surgery (Open)	16 patients
Initial surgery (Laparoscopic)	9 patients
MRCP	All Cases
Laparoscopic Completion Cholecystectomy	100%
Additional Port Required	4 patients
Calot's Dissection Satisfactory	15 patients
Nassar Grade 3 Adhesions	53%
Cystic Duct Closure (Clipped)	14 (57%)
Cystic Duct Closure (Sutured)	6 (28%)
Cystic Duct Closure (Stapled)	5 (14%)

Conclusion

- **Laparoscopic management is feasible and safe.**
- **Preop MRCP is mandatory.**
- **Low threshold for conversion.**

References

1. Kumar S et al. Surgical management of cystic duct stump calculi causing post-cholecystectomy syndrome: A prospective study. J Minim Access Surg. 2023
2. Popescu RC et al. Residual Gallbladder and Cystic Duct Stump Stone after Cholecystectomy: Laparoscopic Management. Chirurgia (Bucur). 2021