

Simple Laparoscopic cholecystectomy +/- Intraoperative Cholangiogram

I. Consent

- Explains indications, options and alternatives (including non-operative management)
- General risks (anaesthetic/bleeding/infection)
- Specific risks (open conversion, CBD injury, bile leak, retained stone)
- Explains likely postoperative course and recovery expectations
- Checks understanding

II. Pre operation planning

- Identifies any likely complicating factors eg nutritional, adhesions, immune suppressing medications, age, etc.
- Considers likelihood of CBD stone and how this may be dealt with
- Ensures image intensifier available when appropriate and staff are equipped to do IOC
- Aware of clinical indications
- Aware of significant co-morbidities - obesity, renal disease, etc.
- Knows relevant results
- Has reviewed relevant imaging

III. Pre operative preparation

- Team is briefed adequately about the case
- Ensure table orientation correct for image intensification
- WHO Safety check and team time out
- Consideration of DVT prophylaxis and antibiotic prophylaxis
- Ensures specialized equipment available as required
- Patient is positioned appropriately
- Prepares and drapes appropriately

IV. Exposure and closure

- Safe Hasson port placement and establishment of pneumoperitoneum
- Understands appropriate flow rates/intra-abdominal pressure settings
- Appropriate table positioning for optimum view
- Thorough closure of Hasson port at completion

V. Intra operative technique: global (G) and task-specific items (T)

- Safe secondary port introduction (G) and correct placement
- Appropriate gallbladder retraction to expose Hartmann's pouch (T)
- Correct site to commence dissection (T)
- Safe dissection technique to expose cystic duct/artery (T)
- Understands anterior/posterior window concepts (T)
- Demonstrates "critical view" prior to any division (T)
- IOC- successful cannulation of cystic duct (T)
- IOC- correct image intensifier orientation/choice of contrast/injection of contrast (T)
- IOC- correct interpretation of pictures (T)
- IOC- troubleshoots problems that might arise (T)
- Correct application of occlusion clips to structures (T)
- Safe and clean technique for dissection gallbladder off liver (G)
- Uses appropriate counter-traction to maintain tension (T)
- Appropriate extraction technique (bag vs not) (T)
- Washout, considers drain if indicated (T)

VI. Post operative management

- Explains procedure to patient
- Explains expected postoperative course/recovery
- Arranges follow up if indicated
- Manages any residual CBD stone appropriately