

7:50 am | REGISTRATION AND WELCOMING OF THE PARTICIPANTS

8:00 am | THEORETICAL SESSION AND VIDEO SESSION

CHOLECYSTECTOMY

- Laparoscopic cholecystectomy after 35 years: critical review of safety
- Biliary lithiasis: epidemiology, incidence, complications
- Anatomical variations (vascular / biliary)
- Minimizing cholecystitis, pancreatitis, jaundice / cholangitis
- Optimal access: obesity, previous abdominal and biliary surgery
- Minimising complications: adhesiolysis, dissection and closure
- Managing acute cholecystitis; Tokyo Guidelines 2018
- The difficult cholecystectomy
- Choledochoscopy: materials and techniques

CHOLANGIOGRAPHY / TRANSCYSTIC EXPLORATION

- Single session management of ductal stones: philosophy, evidence, service design, preoperative protocols, logistics
- Management strategies: imaging and types of interventions
- ERCP: indications and methods
- Cholangiography: methods and interpretation
- Other imaging: PTC, Laparoscopic ultrasound, ICG
- Transcystic exploration: indications / case selection
- Cholangioscopy: current evidence
- Robotic and single-port surgery: technical evolution

12:00 pm | LUNCH AT THE INSTITUTE

1:00 pm | HANDS-ON SESSION ON LIVE TISSUE (MINI-PIGS)

CHOLANGIOGRAPHY / CHOLEDOCHOSCOPY

- Cholangiography: cannulation, catheters, clamps vs free cannula, handling and care of the choledochoscope
 - Cholangiography station
 - Laser station
 - Percutaneous ultrasound

TRANSCYSTIC EXPLORATION

- Transcystic exploration: blind trawling, basket-in catheter, types of baskets, 3 mm choledochoscopy
- Intrahepatic choledochoscopy: "Wiper-Blade maneuver"
- Choledochotomy / stone removal
 - Cholangiography station
 - Laser station
 - Percutaneous ultrasound

**5:00 pm | END OF SESSION
EVENING FREE**

7:50 am | EVALUATION OF THE PREVIOUS DAY'S SESSIONS

8:00 am | THEORETICAL SESSION

BILE DUCT EXPLORATION

- Choledochotomy exploration: indications and technique
- The difficult exploration: multiple, large, impacted, intrahepatic stones
- Biliary drainage: primary closure vs transcystic or T-Tubes; inserting and securing drains
- Postoperative care: biliary and other drains, cholangiography, follow-up

LIVE OR PRE-RECORDED SURGERY

- Classic cholecystectomy
- Acute cholecystitis

THEORETICAL SESSION

OPTIMIZING / GALLBLADDER SURGERY

- Reflection on the CVS and safety markers: preventing CBD injury
- Salvage strategies: intravesical approach, fundus-first dissection, subtotal cholecystectomy, cholecystotomy, conversion, abandon
- Complex cases: Mirizzi syndrome, cholecystoenteric fistula
- Role of transhepatic access
- Conservative management of CBD stones: when to MRCP or ERCP?

12:00 pm | LUNCH AT THE INSTITUTE

1:00 pm | HANDS-ON SESSION ON LIVE TISSUE (MINI-PIGS)

- Laparoscopy and percutaneous surgery
- Surgical ultrasound
- Cholecystectomy
- Main bile duct exposure
- Biliodigestive anastomosis
- Intraoperative cholangiography
- Choledochotomy exploration / choledochoscopy
- Transcystic drainage / T-Tubes
 - Cholangiography station
 - Laser station
 - Percutaneous ultrasound

CHOLEDOCHOTOMY

- Choledochotomy, choledochoscopy, stone extraction, lithotripsy
- Biliary drainage: T-Tube, transcystic tube and suturing
- Choledochoenteric anastomosis
 - Cholangiography station
 - Laser station
 - Percutaneous ultrasound

5:00 pm | END OF SESSION

8:00 pm | DINNER IN HONOR OF THE PARTICIPANTS

7:50 am | EVALUATION OF THE PREVIOUS DAY'S SESSIONS

8:00 am | THEORETICAL AND VIDEO SESSION

APPROACHES AND STRATEGIES IN COMPLEX CLINICAL SITUATIONS

- Transcystic approach
- Surgical choledochotomy
- Managing bile duct injury
- The difficult IOC: troubleshooting
- Cholangioscopy and pancreatoscopy: complex cases

LIVE OR PRE-RECORDED SURGERY

- Surgical management of CBD stones
- Failed exploration: conversion, radiologic or endoscopic?

THEORETICAL & VIDEO SESSION

- Internal drainage: indications and techniques; Choledochoduodenostomy, hepaticojejunostomy
- Endoscopy: drainage options for the GB and CBD
- Discussion: clinical cases - surgical, endoscopic, or percutaneous approaches
- MCQ session with interactive voting

**12:00 pm | DELIVERY OF CERTIFICATES OF ATTENDANCE
LUNCH AT THE INSTITUTE
END OF THE COURSE**