

### Supplement 1: Questionnaire

1. We want to hear about your experience with bile duct injuries

\*1. Nature of surgical practice

- Individual nursing home based with an assistant < MS in general surgery
- Private hospital with an assistant > MS in general surgery
- Corporate hospital
- Teaching hospital (medical college/central Institutes)

**MS (Master of Surgery) qualification awarded after 3 years of general surgery residency training**

\*2. How many years of experience with laparoscopic cholecystectomies do you have

- 0-5
- 6-10
- 11-15
- >15

\*3. Have you ever had occasion to deal with post laparoscopic cholecystectomy bile duct injury (intraoperatively) or bile leak (postoperatively) or biliary stricture (postoperatively) during a procedure done by you or assisted by you or supervised by you.

- Yes
- No

\*4. How many post laparoscopic cholecystectomy BDI (including bile leak BL) have you encountered in your surgical career so far

- 1
- 2
- 3
- 4
- 5
- 6

\*5. What were your number of years of laparoscopic surgical practice at the time of the first BDI

- <5 years
- 5-10 years
- >10 years

\*6. Number of laparoscopic cholecystectomies conducted prior to the first BDI

- <25
- 25-50
- 51-100
- >100

\*7. Any associated biliovascular injury at the time of first BDI

- Yes
- No

\*8. IOC usage

- Always (>90%)
- Frequently (50-90%)
- Infrequently (10-50%)
- Rarely (<10%)
- Not available

**IOC Intraoperative cholangiography**

\*9. Time of detection of first BDI

- Intraoperative on table
- Postoperative as bile leak in surgical drain
- Postoperative as bile leak in PCD
- Postoperative as biliary stricture on follow up

**PCD Percutaneous catheter drainage**

\*10. Your role at the time of first BDI

- Operating surgeon
- Assistant junior surgeon
- Assisting a younger surgeon
- The leader of the operating team, but not scrubbed

11. Management of the first BDI

- Self
- Referred to higher Institute

12. If managed by self

- On table suture repair
- On table repair over T tube
- On table RYHJ (complete)
- Drainage alone
- Drainage and ERCP
- RYHJ <4 weeks
- RYHJ >4 weeks

**ERCP: Endoscopic retrograde cholangiopancreatography**

**RYHJ: Roux-en-Y hepatico-jejunostomy**

\*13. Experience with BDI/bile leak in lap converted open cholecystectomy or open cholecystectomy

- No
- Yes (please specify)

\*14. Any mortality related to BDI experienced by you  
 Yes  No

\*15. Any medicolegal case filed against you for BDI  
 Yes  No

\*16. Are you a biliary surgeon (perform Whipples/ CDC excision/ CC excision and HJ) as a routine  
 Yes  No

**CC Cholangiocarcinoma**

**CDC Choledochal cyst**

**HJ Hepatico-jejunostomy**

\*17. Is your hospital a biliary center – has therapeutic endoscopy and interventional radiology  
 Yes  No

18. If you have experience with >1 BDI or post cholecystectomy bile leak, Information regarding number of years of laparoscopy experience prior to the incident/s, mechanism/s, role/s, management strategy/ies adopted that you would like to share; please type in the text box.

Second BDI	
Third BDI	
Fourth BDI	
Fifth BDI	
Sixth BDI	