**Advanced Laparoscopic Skills**

Laparoscopic cholecystectomy is now widely practiced for elective gallbladder surgery. However, there are a number of situations that can compromise the successful completion of the minimally invasive operation. These include dealing with common duct stones, acute cholecystitis, bleeding, dropped stones, as well as general problems related to laparoscopy such as difficult in gaining access. This course is aimed at the surgeon who wishes to meet these challenges and acquire the skills to master them.

**Program**

**Day 1.**

9:00 *Welcome and Introduction*

9:15 General laparoscopic problem

9:45 The difficult gallbladder

10:45 Diagnostic evaluation: intraoperative cholangiography and flouroscopy

11:15 *Coffee-break*

11:30 Suturing skills

12:00 Management of common duct stones

*13:00 Lunch*

14:00 Inanimate lab: practice on fresh animal tissue

to include suturing, knot tying, bilio-digestive anastomosis

biliary trainer with baskets, balloons, and choledochoscope

17:00 Adjourn

**Day 2.**

9:00 Technical tips for difficult cholecystectomy

9:30 Steps of common bile duct exploration

*10:00 Coffee-break*

10:15 Animate lab: common bile duct exploration

13:00 *Lunch*

14:00 Animate lab: bilio-digestive anastomosis

16:30 Evaluations

17:00 Adjourn