**Key Skills in Laparoscopic Surgery and Laparoscopic Suturing**

Faculty:

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Candidate number: 12

Interactive lecture

Group 1 (practical session)

Group 2 (practical session)

Practical session (2 groups together)

Day 1

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| 8:30 | Registration & Coffee | |
| 9:00 | Introduction & Welcome  Objectives of the Course | |
| 9:00-9:30 | The Imaging System - Set up Stack  Laparoscopic instruments, ports  Safe entry to the abdomen – Hassan, Opti-view and Veress | |
|  | Box trainer (x6 candidates) (3 stations) | Simulators (x6 candidates) (3 stations) |
| 9:30 | Basic Manipulation  Peg transfer  Pattern cutting  Stacking sugar-cubes | Lap Appendicectomy, Lap Cholecystectomy, Lap suturing – perf DU repair |
| 10:30 | Break & Coffee | |
| 10:45- 11:45 | Laparoscopic Intra-corporal knot tying and endo-loops | Lap Appendicectomy, Lap Cholecystectomy, Lap suturing – perf DU repair |
| 11:45-12:45 | Lap suturing – instruments, sutures principals and techniques – practical session (passing around sutures etc.) | |
| 12:30-13:15 | Lunch | |
| 13:15- 14:15 | Lap Suturing on SUTT | Lap Appendicectomy, Lap Cholecystectomy, Lap suturing – perf DU repair |
| 14:15  15:15 | Basic Manipulation  Peg transfer  Pattern cutting  Stacking sugar-cubes | Lap Appendicectomy, Lap Cholecystectomy, Lap suturing – perf DU repair |
| 15:15-  16:15 | Laparoscopic Intra-corporal knot tying and endo-loops | Lap Appendicectomy, Lap Cholecystectomy, Lap suturing – perf DU repair |
| 16:15-16:45 | Feedback to and from candidates (individual feedback from trainers, learning points for next day | |
| 16:45 | Close | |

Day 2

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| 8:30 | Registration & Coffee | |
| 9:00-10:00 | Lap Suturing on SUTT | Lap Appendicectomy, Lap Cholecystectomy, Lap suturing – perf DU repair |
| 10:00 | Principals of Laparoscopic cholecystectomy, anatomy, techniques common problems | |
| 10:30 | Break & Coffee | |
| 10:45 | Laparoscopic cholecystectomy on porcine models in box trainers x 6 | |
| 12:45-13:30 | Lunch | |
| 13:30- 14:15 | Closure of enterotomy, formation of laparoscopic anastomosis, staples etc. | |
| 14:15  16:15 | Lap Closure of enterotomy/stapling/formation of anastomosis on porcine modells | |
| 16:15-16:45 | Feedback to and from candidates (individual feedback from trainers, learning points for next day | |
| 16:45 | Questions and closure of Course | |

Training equipment:

3 x lap simulators (Day 1 & Day 2 am)

3 x box trainers (Day1) 6 x box trainers (Day 2)

Sutures, lap instruments, ports, staplers

12 lap chole porcine model

24 small intestine porcine model (or 12 small intestine and 12 stomach)

SUTT board (I can sort that out)

Gloves, PEG board and Polo rings, Sugar cubes