

# Core Skills in Laparoscopic Surgery - DAY I

## July 14, 2016

| Time                            |  | Venue                                       |
|---------------------------------|--|---|
| 9.00 am - 9.25 am               | <b>Registration and Faculty Briefing</b>   | Information Desk and Faculty Room           |
| 9.30 am - 9.40 am<br>(10 min)   | <b>Introduction and Welcome</b><br><i>At the end of this session, participants will be able to</i> <ol style="list-style-type: none"> <li>1. Use learning outcomes to get the most from the course</li> <li>2. Identify faculty and participants</li> </ol>  | <b>Lecture Area</b><br>Dr. Utkrant Kurlekar |
| 09.45 am - 10.05 am<br>(20 min) | <b>Instruments Practical</b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Appraise currently available instruments</li> <li>2. Differentiate between instruments and their functionality that includes:               <ol style="list-style-type: none"> <li>a. Graspers</li> <li>b. Scissors - Traumatic / Straumatic</li> <li>c. Diathermy hook</li> <li>d. Dissecting forceps - Maryland / Pietelin</li> </ol> </li> <li>3. Select appropriate instrument for task and use it for purpose for which it was designed</li> <li>4. Plan ways to manage unfamiliar instruments in different units</li> </ol> | <b>Skills Lab</b><br>Dr. Gajanan Waghlikar  |
| 10.10 am - 10.30 am<br>(20 min) | <b>Set up Stack &amp; Trouble Shooting Practical</b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Setting up of a stack</li> <li>2. Identification of wires and light source and ensure function</li> <li>3. Connection of light source to laparoscope to monitor to camera</li> <li>4. Achieving a good quality image</li> </ol>   | <b>Skills Lab</b><br>Dr. Niranjan Khambete  |
| 10.30 am - 10.50 am             | <b>Refreshment</b>   |   |
| 10.55 am - 11.25 am<br>(30 min) | <b>Access &amp; Closure Tutorial</b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Identify common means of access (Open, closed, optical)</li> <li>2. Describe advantages and disadvantages of each along with rationale</li> <li>3. Outline principles of patient positioning &amp; equipment set up</li> <li>4. Port Positioning</li> <li>5. Anticipate complications and how to deal with them</li> </ol>  | <b>Lecture Area</b><br>Dr. Girish Bapat     |

| Time                                   |   | Venue      |
|--|---|------------|
| 11.30 am -<br>12.20 pm<br><br>(50 min) | <b>Basic Manipulation</b> <b>Practical</b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Accuracy and precision of movement in a box trainer               <ol style="list-style-type: none"> <li>a. Coordination of the instruments</li> <li>b. Transfer using left hand &amp; right hand &amp; then both simultaneously                   <ol style="list-style-type: none"> <li>i. Pearl transfer</li> <li>ii. Stacking sugar cubes to achieve tallest tower.</li> </ol> </li> </ol> </li> </ol> | Skills Lab |
| 12.30 pm -<br>1.15 pm                  | <b>Lunch</b>  |            |
| 1.20 pm -<br>3.00 pm<br><br>(105 min)  | <b>Dissection</b> <b>Practical</b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Separation of tissues using model.</li> <li>2. Peeling off grape</li> <li>3. Glove Cutting Exercise.</li> </ol>  | Skills Lab |
| 3.00 pm -<br>3.20 pm                   | <b>Refreshment</b>  |            |
| 3.25 pm -<br>5.00 pm<br><br>(85 min)   | <b>Roeder Knotting</b> <b>Practical</b><br><i>Inside trainer box</i><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. An effective Roeder knot around a tube and tied extra corporeally</li> <li>2. Intracoporeal Knotting</li> </ol>  | Skills Lab |

## Core Skills in Laparoscopic Surgery - DAY II

### July 15, 2016

| Time                            |   | Venue  |
|---------------------------------|---|--|
| 9.00 am - 9.15 am               | Faculty Briefing  | Faculty Room   |
| 9.20 am - 9.40 am<br>(20 min)   | <b><i>Physiological influences of laparoscopic surgery</i></b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Explain the effects of pneumoperitoneum</li> <li>2. Identify potential problems</li> <li>3. Minimize risks</li> </ol>  | <b>Lecture Area</b><br>Dr. Bhagyashree Shivde                  |
| 9.45 am - 10.05 am<br>(20 min)  | <b><i>Energy Sources</i></b> <b><i>Tutorial</i></b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Evaluate haemostatic options available</li> <li>2. Outline principles for the safe use of energy based instrumentations</li> <li>3. Compare the associated risks and benefits</li> </ol>  | <b>Lecture Area</b><br>Dr. Subodh Shivde                       |
| 10.10 am - 10.40 am<br>(30 min) | <b><i>Diagnostic Laparoscopy</i></b> <b><i>Tutorial</i></b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Define the role of laparoscopy in diagnosis</li> <li>2. Identify indications</li> <li>3. Compare advantages of laparoscopy with imaging</li> <li>4. Formulate steps to achieve the procedure</li> <li>5. Discuss methods of engaging others in the process</li> </ol> | <b>Lecture Area</b><br>Dr. Girish Bapat                        |
| 10.45 am - 11.00 am             | <b><i>Refreshment</i></b>   |  |
| 11.05 am - 12.00 pm<br>(55 min) | <b><i>Suturing &amp; Knotting</i></b> <b><i>Practical</i></b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Effective grasp of needle in needle holder and needle manipulation</li> <li>2. One safe method of intracorporeal knotting</li> </ol>  | <b>Skills Lab</b>  |
| 12.05 pm - 12.55 pm<br>(45 min) | <b><i>Appendisectomy</i></b> <b><i>Tutorial and Practical</i></b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Outline the steps required within the operative procedure</li> <li>2. Demonstrate the safe removal of an appendix on a model</li> </ol>   | <b>Lecture Area</b><br><b>Skills Lab</b><br>Dr. Vrishali Patil |
| 1.10 pm - 1.45 pm               | <b><i>Lunch</i></b>   |  |
| 1.50 pm - 3.25 pm<br>(110 min)  | <b><i>Closure of Perforated Ulcer</i></b> <b><i>Practical</i></b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li>1. Demonstrate accurate and secure suturing techniques to close an ulcer on an animal tissue.</li> <li>2. Suturing of Tissue using running and interrupted sutures</li> </ol>  | <b>Skills Lab</b>  |
| 3.30 pm - 3.50 pm               | <b><i>Refreshment</i></b>   |  |
| 3.55 pm - 5.00 pm<br>(65 min)   | <b>Closure of Perforated Ulcer (Continued)</b>  | <b>Skills Lab</b>  |

## Core Skills in Laparoscopic Surgery - DAY III

# July 16, 2016

| Time                            |  | Venue        |
|---------------------------------|--|--------------|
| 9.00 am - 9.15 am               | Faculty Briefing   | Faculty Room |
| 9.20 am - 9.50 am<br>(30 min)   | <b><i>Cholecystectomy and its complications</i></b><br><b><i>Tutorial</i></b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li><i>Outline the steps required within the operative procedure</i></li> <li><i>Anticipate common complications</i></li> <li><i>Describe how to recognize and how to deal with them</i></li> </ol> | Lecture Area |
| 9.55 am - 10.30 am<br>(35 min)  | <b>Cholecystectomy</b> <b>Practical</b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li><i>Demonstrate the safe removal of a gallbladder on a model</i></li> </ol>  | Skills Lab   |
| 10.35 am - 10.55 am             | <b><i>Refreshment</i></b>  |              |
| 11.00 am - 12.25 pm<br>(85 min) | <b><i>Cholecystectomy (Continued)</i></b> <b><i>Practical</i></b>  | Skills Lab   |
| 12.30 pm - 1.15 pm              | <b><i>Lunch</i></b>  |              |
| 1.20 pm - 3.25 pm<br>(125 min)  | <b><i>Assessment &amp; Feedback</i></b> <b><i>Practical</i></b><br><i>At the end of this session, participants will be able to:</i> <ol style="list-style-type: none"> <li><i>Demonstrate accurate suture placement on banana</i></li> </ol>   | Skills Lab   |
| 3.30 pm - 3.50 pm               | <b><i>Refreshment</i></b>  |              |
| 3.55 pm - 4.30 pm               | <b>Discussion &amp; Feedback</b>   |              |