



Laparoscopic Training & Research Center

SCOPEBD



**Basic
Laparoscopic
Skill Course**



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1. Introduction:

This is a comprehensive, educational and training module designed to teach the core knowledge; technical skills required to perform safe laparoscopic surgery. The educational module consists of lectures, multimedia presentation, demonstration of laparoscopic instruments & equipment's. Skill training Module consist of - “watch & do” exercises at dry lab and also observing the live surgeries Assessment includes - Cognitive knowledge assessment, a performance-based manual skills assessment.

2. Objectives of the course

At the end of this course participants will

1. Have depth knowledge on laparoscopy, laparoscopic instrument & surgeries.
2. Perform all dry lab skill module in standard steps and time
3. Gather hands & eye co-ordination to start laparoscopic procedure

3. Aim of the course

Improve the knowledge and skills of surgeons so that they can perform laparoscopic surgery effectively and safely

4. Course Rules

- Theoretical class** → Attendance not below 95% (Except health emergency)
- Dry lab practice** → Must be signed from facilitators on the performance record after end of each task
- Participation at OT** → According to roster (Self alteration with prior information – accepted)
- Maintenance of instruments** → Check and return every time at end of practice
- Un-authorized absence-** → Course will be discontinued
Certificate will not be issued


- Duration : 3 months
- Venue : Scope BD Center
- Each batch : 14 Candidates

Name of course – Basic Laparoscopic Skill Course



- Classes & Practice : Every Monday & Thursday (3:00pm-7:00pm)
- Live OT participation: According to roster

Name of course – Basic Laparoscopic Skill Course



All certified practicing surgeons or gynecologist of any disciplines.

FCPS / MS / FRCS/ MRCS / MRCOG / DGO

5. List of Dry lab Tasks

Hands-on training at Dry Lab Box

- Basic skill tasks
- Essential skill tasks

Basic skill task

1. Basic Task –1: Putting the tip of the instrument at a different number
2. Basic Task –2: Passing the tip of the instrument along the curve lines
3. Basic Task –3: Pass the instrument at different numbers chronologically
4. Basic Task – 4: Place the Match stick towards the arrow
5. Basic Task – 5: Peg transfer
6. Basic Task – 6: Rope passing
7. Basic Task – 7: Grasp & transfer of ball
8. Basic Task – 8: Pull rubber band from 1 bar to another

Essential Skill Task

1. Essential task – 1: Manipulate 0 & 30-degree telescope
2. Essential task – 2: Diathermic Footplate maneuver
3. Essential task – 3: Primary port placement in dummy
4. Essential task – 4: Precision cutting
5. Essential task – 5: Clipping & cutting
6. Essential task – 6: Use of energy devices
7. Essential task – 7: Extracorporeal Knotting
8. Essential task – 8: Intra-corporeal knotting & Stitching

6. Training Schedule

Day 1

(4pm – 5pm)	Pre -Course Assessment
(5pm – 6pm)	Lecture – 1: Introduction
(6pm – 6:30pm)	Demonstration: Basic Task 1: Putting tip of instrument at different number Basic Task 2: Passing the tip of instrument along the curve lines
(6:30pm – 7pm)	Practice session: Basic Task 1 & 2

Day 2

(4pm – 6pm)	Practice session: Basic Task 1 & 2
(6pm – 7pm)	Demonstration: Laparoscopic Tower

Day 3

(4pm – 5pm)	Lecture – 2: Laparoscopic imaging system - Light
(5pm – 5:30pm)	Demonstration: Basic Task 3: Pass instrument at different number chronologically Basic Task 4: Place the Match stick towards the arrow
(5:30pm – 7pm)	Practice session: Basic Task 3 & 4

Day 4

(4pm – 6pm)	Practice session: Basic Task 3 & 4
(6pm – 7pm)	Lecture 3: Access and hand Instruments-1

Day 5

(4pm – 5pm)	Lecture – 4: Laparoscopic Imaging System - Camera
(5pm – 5:30pm)	Demonstration: Basic Task 5: Peg transfer Basic Task 6: Rope passing
(5:30pm – 7pm)	Practice session: Basic Task 5 & 6

Day 6

(4pm – 6pm)	Practice session: Basic Task 5 & 6
(6pm – 7pm)	Video Presentation- 1: Laparoscopic Appendectomy

Day 7

(4pm – 5pm)	Lecture – 5: Pneumoperitoneum & insufflation system
(5pm – 5:30pm)	Demonstration: Basic Task 7: Grasp & transfer of ball
(5:30pm – 7pm)	Practice session: Basic Task 7

Day 8

(4pm – 6pm)	Practice session: Basic Task 7
(6pm – 7pm)	Video Presentation- 2: Laparoscopic Management of Ectopic Pregnancy

Day 9

(4pm – 5pm)	Lecture – 6: Laparoscopic ergonomics and principal of port position
(5pm – 5:30pm)	Demonstration: Basic Task 8 – Pull rubber band from 1 bar to another Essential Task 1 – Manipulate 0 & 30-degree telescope Essential Task 2 – Diathermic Footplate maneuver Essential Task 3 – Primary port placement in dummy
(5:30pm – 7pm)	Practice session: Basic Task 8, Essential Task 1,2,3

Day 10

(4pm – 6pm)	Practice session: Basic Task 8 & Essential Task 1, 2, 3
(6pm – 7pm)	Video Presentation- 3: Laparoscopic Cholecystectomy

Day 11

(4pm – 5pm)	Lecture – 7: Sterilization of laparoscopic instruments & Laparoscopic equipment
(5pm – 5:30pm)	Demonstration: Essential Task: 4 - Precision cutting
(5:30pm – 7pm)	Practice session: Essential Task 2 & 4

Day 12

(4pm – 6pm)	Practice session: Essential Task: 2 & Essential Task: 4
(6pm – 7pm)	Video Presentation- 4: Laparoscopic Ovarian Cystectomy

Day 13

(4pm – 5pm)	Mid-Course Exam
(5pm – 6pm)	Lecture – 8: Anesthesia in laparoscopic surgery
(6pm – 7pm)	Practice session: Essential Task 2 & 4

Day 14

(4pm – 6pm)	Practice: Essential Task 5, 6, 7
(6pm – 6:30pm)	Demonstration: Essential Task: 5- Clipping & Cutting Essential Task: 6- Use of Energy Devices Essential Task: 7- Extracorporeal Knotting
(6:30pm – 7pm)	Video Presentation- 5: Laparoscopic Hernia (TAPP)

Day 15

(4pm – 5pm)	Lecture – 9: Access and hand Instruments-2
(5pm – 7pm)	Practice session: Essential Task 5, 6 & 7

Day 16

(4pm – 6pm)	Video Presentation- 6: Laparoscopic Tube Patency Test
(6pm – 7pm)	Practice session: Essential Task 5, 6 & 7

Day 17

(4pm – 5pm)	Lecture – 10: Abdominal Access Techniques
(5pm – 5:30pm)	Demonstration: Essential Task: 8 - Intra-corporeal knotting & Stitching Practice Session: Essential Task 8

Day 18

(4pm – 6pm)	Practice session: Essential Task: 8
(6pm – 7pm)	Video Presentation- 7: Laparoscopic Deroofing of Hepatic Cyst

Day 19

(4pm – 5pm)	Lecture – 11: Laparoscopic energy devices & electrosurgery
(5pm – 7pm)	Practice session: Essential Task 8

Day 20

(4pm – 6pm)	Practice session: Essential Task: 8
(6pm – 7pm)	Video Presentation- 8: Diagnostic Laparoscopy

Day 21

(4pm – 5pm)	Lecture – 12: Laparoscopic tissue approximation & Knotting
(5pm – 7pm)	Practice session: Essential Task 8

Day 22

(4pm – 6pm)	Practice session: Essential Task: 8
(6pm – 7pm)	Video Presentation- 9: Laparoscopic TAH

Day 23

(4pm – 5pm)	Lecture – 13: Tissue retrieval & port closure
(5pm – 7pm)	Practice session: Essential Task 8

Day 24

(4pm – 6pm)	Practice session: Essential Task: 1-7
(6pm – 7pm)	Video Presentation- 10: Laparoscopic Gastro-Jejunostomy

Day 25

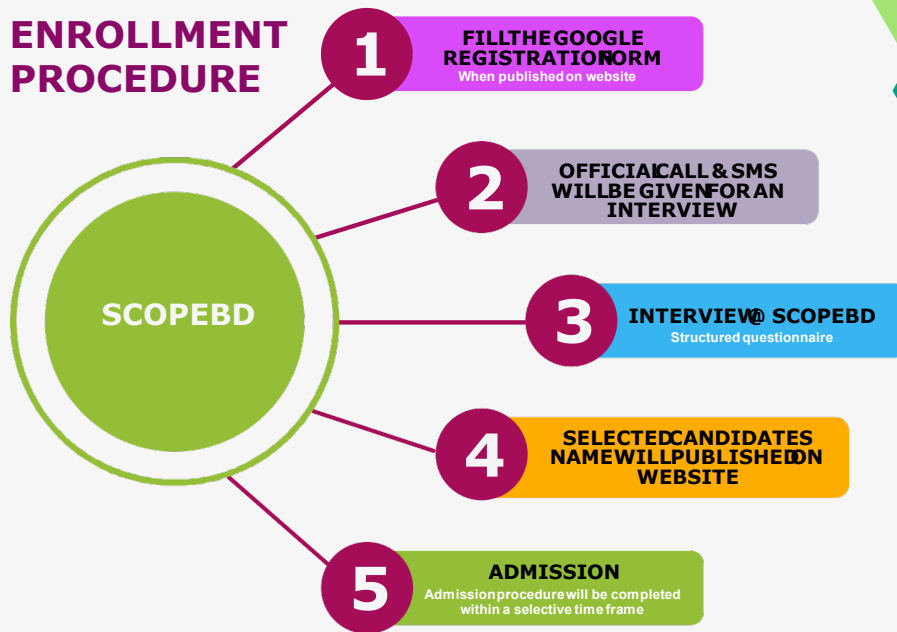
(5pm – 6pm)	Assessment: SAQ Assessment: Lab Skills
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Day 26

(5pm – 6pm)	Certificate Giving & Closing Ceremony
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ENROLLMENT PROCEDURE



Training Module

Basic Task



8

Essential Task



8

Lecture Classes

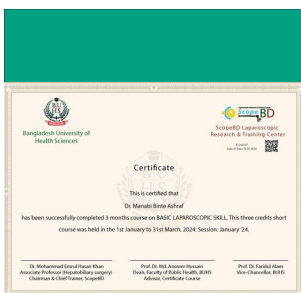


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Live Surgery Observation



ROSTER



University Grants Commission of Bangladesh
(UGC) approved only Laparoscopic course in Bangladesh
Affiliated with Bangladesh University of Health Sciences





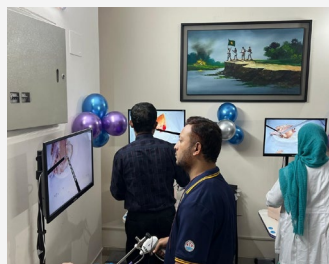
Demonstration of Dry Lab Practice



ScopeBD Dry Lab



**Practice
Only way to learn Driving**





Live Surgery Observation



Mid Course Assessment



Final Examination



With World Famous Laparoscopic Surgeons of Bangladesh



Guest Lecture By – Prof Towhidul Alam



Guest Lecture By – Prof Sarder A. Nayeem



Guest Lecture By – Prof Dr. Shaiekh Aziz

Thank You