

LOG BOOK WITH MINUTE TO MINUTE PROGRAM

(SURGEON)

WORLD LAPAROSCOPY HOSPITAL

X-100, CYBER CITY, GURGAON, INDIA, PIN CODE-122002

FMAS STARTING FROM 1ST OF MONTH

FELLOWSHIP: MINIMAL ACCESS SURGERY

DOCTOR'S NAME

Month

From

To

CONTACT DETAILS OF THE FACULTY

DR. R.K MISHRA, MOB.9811416838, E-MAIL: - md@laparoscopyhospital.com

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DAY - 1

DATE

DOCTOR'S NAME

10:00am - 12:00pm

First session on first day of training starts with lecture on Introduction of Minimal Access Surgery (Presentation of Past Present and Future of Minimal Access Surgery, Introduction of Robotics, HALS, NOTES, TEM and SILS)

12:00pm - 02:30pm

Lab demonstration of Instrument Design Part I: Demonstration and Discussion of principles of Laparoscopic Port Access Instruments, Dissecting instruments, Various Graspers, and various Scissors. Instruments used for closed and open Laparoscopic Access technique including Hassons Technique, Visiport and safety trocars. How to access inside abdominal cavity during laparoscopic surgery for General Surgeons, Pediatric Surgeon, Gynecologists and Urologists.

02:30pm - 03:00pm

Lunch

03:00pm - 05:00pm

Lab demonstration of Instrument Design Part II: Principles of disinfection and sterilization of Reusable dissecting and access Instruments, Non-electrical instrument including Harmonic Probes for Surgeons, Gynecologists and Urologists. Demonstration of Port Closure Instruments and various Uterine Manipulators.

Self-Assessment

Trainee Doctor

Course Supervisor

DAY - 2

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

11:30 am – 02:30pm

Batch A + Batch B together: Lecture on Advantages and Disadvantages of Minimal Access Surgery and its various complications. How to do case selection in minimal access surgery. Effect of pneumoperitoneum on hemodynamics of patient and how to manage those complications.

01:30pm - 02:00pm

Lunch

PRACTICAL: -

09:00am – 11:30 am BATCH (A)

02:30pm - 05:00pm BATCH (B)

Top Gun Drill Laparoscopic Hands On Exercises to learn bimanual Hand & Eye coordination ambidexterity and depth perception using instruments in both hands. Exercises will be circular paper cutting and Pegging the Poles. Ambidexterity will be practiced as per the guidelines of WALs and SAGES.

Self-Assessment:

Trainee Doctor

Course Supervisor

DAY - 3

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

11:30 am - 02:30pm

Batch A + Batch B together: Demonstration and Discussion of all types of telescope used in minimal access surgery with different diameter, different visual axis and different number of Rod Lenses, Principles of Camera, including Single chip and three chip camera. Difference in SD and HD Camera. Difference between Interlaced and Progressive HD Monitor, Various light sources including difference in functionality of Xenon and LED light sources and light cables, Fibre optic and Gel cables.

01:30pm - 02:00pm

Lunch

PRACTICAL: -

09:00am – 11:30 am BATCH (A)

02:30pm - 05:00pm BATCH (B)

Laparoscopic Hands On training and exercises to increase depth perception by doing Cobra Rope Drill and Tin Cup Drill and Terrible Triangle Drill. + Practice of Diagnostic Laparoscopy and Hand Eye Coordination for Gynecologist, Surgeon and Urologist for various Minimal Access Surgery in laparoscopic lab with all set laparoscopic instruments (Hands On Training). Technique of Identifying various pathologies using laparoscope as guidelines of SAGES, EAES and WALIS.

Self-Assessment:

Trainee Doctor

Course Supervisor

DAY – 4

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

11:30 am - 02:30pm

Laparoscopic Insufflator and Discussion on Quadro-manometric Principles of Microprocessor Controlled Digital Insufflator.

01:30pm - 02:00pm

Lunch

PRACTICAL

09:00am – 11:30 am BATCH (A)

02:30pm - 05:00pm BATCH (B)

Lecture on Laparoscopic Suturing and knotting followed by practice of extracorporeal Roder's and Meltzer's Knot for Free Structure followed by practice of laparoscopic extracorporeal knot over appendix and fallopian tube.

Self-Assessment:

Trainee Doctor

Course Supervisor

DAY - 5

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

11:30 am - 02:30pm

Lecture and Power Point Video Presentation of Various Laparoscopic Access Techniques for Surgeons, Gynecologists and Urologists including Veress Needle, Hassons method, Scandinavian method and Fielding method of Access. Use of Visiport and optical needle. Complications of Access Technique and How to manage those complications. + Second Lecture and Video demonstration of Diagnostic Laparoscopy. Systematic way of performing diagnostic laparoscopy for all the specialization including tubal patency test and chromotubation for gynecologists. For Surgeon Lecture and Video demonstration on Laparoscopic Appendectomy Technique (Presentation of various ways of doing Laparoscopic Appendectomy including two port appendectomy stapler appendectomy and Retrocecal Appendectomy)

01:30pm - 02:00pm

Lunch

PRACTICAL: -

09:00am – 11:30 am BATCH (A)

02:30pm - 05:00pm BATCH (B)

Hands On practice of Laparoscopic Extracorporeal Knotting for Continuous Structure like Cystic Duct, Uterine artery, Splenic or Renal Arteries (Hands On Training) + Laparoscopic Square knot to Myoma and Fundoplication Burch suspension, Partial nephrectomy, rectal prolapse and vault closure in total laparoscopic hysterectomy.

Self-Assessment:

Trainee Doctor

Course Supervisor

DAY - 6

DATE:

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

11:30 am - 02:30pm

Batch A + Batch B: Baseball Diamond Principle of Laparoscopic Port Positioning. Video Presentation of Exact point where one should put the port during various Laparoscopic Procedures to achieve the ergonomics to task performance. This is one of the most important principles not taught anywhere in the World except by R.K. Mishra who is inventor of this principle.

01:30pm - 02:00pm

Lunch

PRACTICAL: -

09:00am – 11:30 am BATCH (A)

02:30pm - 05:00pm BATCH (B)

Hands On practice of Laparoscopic Intracorporeal Surgeons Knot used for Tuboplasty, Bowel anastomosis, Vault closure, Enterotomy repair, bladder injury and pyeloplasty (Hands On Training on Tissue in O. T. environment).

Self-Assessment:

Trainee Doctor

Course Supervisor

DAY - 7

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

11:30 am - 02:30pm

Batch A + Batch B: Laparoscopic Dissection Techniques (Presentation and Discussion of Principles Behind Monopolar, Bipolar, Harmonic Scalpel, Ligasure, Plasmasect, and Argon beamer and laser for Gynecological, Surgical and Urological Procedures. Various complications of energy sources including insulation failure, Direct Coupling, Capacitative Coupling and how to prevent it. Practical demonstration of working of all type of energy sources including principle of active electrode monitoring system.

01:30pm-01:30pm

MID SESSION EXAMANATION, MCQ PATTERN ON BASICS OF LAPAROSCOPIC SURGERY.

01:30pm - 02:00pm

Lunch

09:00am -11:30 am BATCH- A

02:30pm -05:00pm BATCH- B

PRACTICAL

Hands On practice of Intracorporeal Tumble Square Knot for Fundoplication, Myomectomy, Pyeloplasty, Duodenal perforation, Hiatus hernia, Supracervical Hysterectomy and pediatric hernia. (Hand On Training on Tissue in O. T. environment).

Self-Assessment:

Trainee Doctor

Course Supervisor

DAY - 8

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

11:30 am - 02:30pm

Batch A + Batch B:

For Surgeons Lecture and Video demonstration on Laparoscopic Cholecystectomy Technique (Presentation of various ways of doing Laparoscopic Cholecystectomy including two port cholecystectomy and SILS Cholecystectomy)

For Gynecologists Lecture and Video demonstration of Laparoscopic Tubal Surgery (Presentation of laparoscopic Salpingostomy, Ectopic pregnancy, Salpingo-Oophorectomy and two port techniques of Tubal Cyst resection).

01:30pm - 02:00pm

Lunch

PRACTICAL: -

09:00am – 11:30 am BATCH (A)

02:30pm - 05:00pm BATCH (B)

Laparoscopic Hands On Exercises with Energy sources on tissue in O.T setup.

Self-Assessment:

Trainee Doctor

Course Supervisor

DAY - 9

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

FOR SURGEONS: - PowerPoint Presentation and video demonstration of various ways of Doing Trans abdominal Pre peritoneal (TAPP) Laparoscopic Hernia Repair including two port hernia repair, Hernia without tackers, and staplers.

FOR UROLOGIST: - Laparoscopic Management of Undescended testes,

FOR GYNECOLOGIST: - Tubal Sterilization and Recanalization techniques for tubal block.

12:00pm - 12:30pm

Lunch

PRACTICAL: -

HANDS ON TRAINING IN WET LAB IN OPERATION THEATRE ENVIRONMENT

09:00am – 12:00pm BATCH (A)

1:00pm - 04:00pm BATCH (B)

SURGICAL PROCEDURE	DATE	SIGNATURE
1 Laparoscopic Cholecystectomy		
2 Laparoscopic Appendicectomy		
3 Laparoscopic Hernia Repair		
4 Laparoscopic repair of duodenal perforation		
5 Laparoscopic Nephrectomy		
6 Laparoscopic Varicocelectomy		

Course Supervisor

DAY - 10

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

FOR SURGEONS: PowerPoint Presentation and video demonstration of Totally Extra Peritoneal (TEP) Repair of Inguinal Hernia. (PowerPoint Presentation of various ways of Doing Extracorporeal Hernia Repair including Hernia surgery with and without tackers, and staplers using various suturing techniques.

FOR UROLOGIST: - PowerPoint Presentation and video demonstration of various ways of Doing Varicocelectomy.

FOR GYNECOLOGIST PowerPoint Presentation and video demonstration of various ways of Doing Laparoscopic Hysterectomy including vaginal part of LAVH using suturing technique and using ligasure and harmonic wave

12:00 pm – 12:30pm

FINAL EXAMINATION, MCQ PATTERN ON BASICS OF LAPAROSCOPIC SURGERY.

12:00pm - 12:30pm

Lunch

PRACTICAL: -

HANDS ON TRAINING IN WET LAB IN OPERATION THEATRE ENVIRONMENT

09:00am – 12:00pm BATCH (A)

01:00pm - 04:00pm BATCH (B)

SURGICAL PROCEDURE

DATE

SIGNATURE

1 Laparoscopic Cholecystectomy

2 Laparoscopic Appendicectomy

3 Laparoscopic Hernia Repair

4 Laparoscopic repair of duodenal perforation

5 Laparoscopic Nephrectomy

6 Laparoscopic Varicocelectomy

Course Supervisor

DAY - 11

DATE

DOCTOR'S NAME

LECTURE / PPT / VIDEO PRESENTATION

FOR SURGEONS: - Laparoscopic Pediatric Surgery contain demonstration of various laparoscopic and Thoracoscopic pediatric surgery

FOR UROLOGIST: Retroperitoneoscopy (PowerPoint Presentation of various ways of Doing Retroperitoneoscopic surgery for Nephrectomy and Retroperitoneoscopic Ureterolithotomy)

FOR GYNECOLOGIST: PowerPoint Presentation and video demonstration of Total Laparoscopic Hysterectomy including hysterectomy for big uterus and uterus with multiple fibroid. Laparoscopic Pediatric Surgery (Presentation of various laparoscopic and Thoracoscopic pediatric surgery.

12:00pm - 12:30pm

Lunch

PRACTICAL: -

HANDS ON TRAINING IN WET LAB IN OPERATION THEATRE ENVIRONMENT

09:00am – 12:00pm BATCH (A)

01:00pm - 04:00pm BATCH (B)

SURGICAL PROCEDURE	DATE	SIGNATURE
1 Laparoscopic Cholecystectomy		
2 Laparoscopic Appendicectomy		
3 Laparoscopic Hernia Repair		
4 Laparoscopic repair of duodenal perforation		
5 Laparoscopic Nephrectomy		
6 Laparoscopic Varicocelectomy		

Course Supervisor

DAY – 12

DATE

DOCTOR'S NAME

09:00am - 10:30am

Batch A + Batch B:

COMPLETION OF LOG BOOK AND DOUBTS RESOLVING SESSION.

10.30am-12:30pm

LECTURE / PPT / VIDEO PRESENTATION

FOR SURGEON, UROLOGIST AND GYNAECOLOGIST

Mistakes and Errors in Minimal Access Surgery (Presentation of Commonly encountered Laparoscopic complications in Minimal Access surgery and various ways of dealing with these problems)

01:30pm - 05:00pm

CONVOCATIONS

BOTH FELLOWSHIP AND DIPLOMA CANDIDATES

Certification Ceremony and Farewell Lunch for the Fellowship Batch (All the Fellowship and Diploma course trainee doctors to attend). Shuttle Bus will be arranged for the participants to go to a nearby Hotel Candidates will be awarded Mementoes and Fellowship Certificates in Minimal Access Surgery. Trophies will be given to the toppers amongst the Surgeons and the Gynecologist in the written exam conducted by the WALs for the award of F.MAS. The Certification Ceremony will be followed by the GALA LUNCH.

Self-Assessment:

Supervisor Assessment

Trainee Doctor

Course Supervisor

FELLOWSHIP: MINIMAL ACCESS SURGERY

DR. _____

S. No.	LECTURE/PPT	HANDS ON TRAINING	DATE & SIGNATURES
1.	Presentation of Past Present and Future of Minimal Access Surgery	Lab demonstration of Instrument Design Part - I	
2.	Importance of Ergonomics, Task Analysis and Engineering in MAS	Lab demonstration of Instrument Design Part – II	
3.	Advantages and Disadvantages of Minimal Access Surgery. Effect of pneumoperitoneum on hemodynamics of patient and how to manage those complications.	Top Gun Drill Laparoscopic Hands On Exercises to increase bimanual dissection techniques to develop ambidexterity, depth perception.	
4.	Demonstration and Discussion on Various Optical Equipment's used in MAS	Cobra Rope Drill and Terrible Triangle Drill.	
5.	Demonstration and Discussion of Microprocessor Controlled Quadromanometric Digital Insufflator.	Laparoscopic extracorporeal Roder's and Meltzer's Knot for Free Structure, appendix and fallopian tube.	
6.	Presentation of Various Laparoscopic Access Techniques. Complications of Access Technique and How to manage those complications.	Extracorporeal Knotting for Continuous Structure like Cystic Duct, Uterine, Splenic or Renal Artery.	
7.	Systematic way of performing diagnostic laparoscopy.	Laparoscopic Square knot	
8.	Baseball Diamond Principle of Laparoscopic Port Positioning.	Laparoscopic Intracorporeal Surgeons Knot.	
9.	Laparoscopic Dissection Techniques.	Laparoscopic Intracorporeal Tumble Square Knot.	
10.	Laparoscopic Appendectomy Techniques.	Laparoscopic Exercises on Energy Sources On Tissues.	
11.	Laparoscopic Cholecystectomy Techniques.	Training On Live Tissue	
12.	Laparoscopic Hernia Repair (TAPP)	Training On Live Tissue	
13.	Laparoscopic Hernia Repair (TEP)	Training On Live Tissue	
14.	Written Qualifying Exam for F.MAS	Result.	

Final Assessment

COURSE SUPERVISOR

COURSE DIRECTOR