

## **TIME TABLE OF F.MAS COURSE FOR GENERAL SURGEONS, UROLOGISTS AND GYNAECOLOGISTS**



*Sunday is holyday*

1	<p>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)</p> <p>12:00pm - 02:30pm Lab demonstration of Instrument Design Part I: Demonstration and Discussion of principles of Laparoscopic Port Access Instruments, Laparoscopic Dissecting instruments, Various Graspers application and how to use different 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, Paediatric Surgeon, Gynaecologists and Urologists.</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 05:00pm Lab demonstration of Instrument Design Part II: Principles of Laparoscopic Reusable dissecting and access Instruments, Non-electrical instrument including Harmonic Probes for Surgeons, Gynaecologists and Urologists. Principles of Port Closure Instruments and various Uterine Manipulators.</p>
2	<p>09:00am - 12:00pm Batch A: TopGun Drill Laparoscopic Hands On Exercises to increase bimanual dissection techniques to develop ambidexterity, depth perception using scissors in one hand and grasper in another hand. Ambidexterity will be practiced as guidelines of WALs and SAGES.</p> <p>12:00pm - 02:30pm Batch A + Batch B together: Lecture of Advantage and</p>

	<p>Disadvantage of Minimal Access Surgery and its various complications. How to do case selection in minimal access surgery. Effect of pneumoperitoneum on hemodynamic of patient and how to manage those complications.</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06:00pm Batch B: TopGun Drill Laparoscopic Hands On Exercises to increase bimanual dissection techniques to develop ambidexterity, depth perception using scissors in one hand and grasper in another hand. Ambidexterity will be practiced as guidelines of WALs and SAGES.</p>
3	<p>09:00am - 12:00pm Batch A: 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 Gynaecologist, 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 WALs.</p> <p>12:00pm - 02:30pm Batch A + Batch B together: Demonstration of Discussion of all type 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.</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06:00pm Batch B: Batch A: 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 Gynaecologist, Surgeon and Urologist for various Minimal Access Surgery in laparoscopic lab with all set laparoscopic instruments (Hands On</p>

	Training). Technique of Identifying various pathologies using laparoscope as guidelines of SAGES, EAES and WALS.
4	<p>09:00am - 12:00pm Batch A: Lecture of 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.</p> <p>12:00pm - 02:30pm Laparoscopic Insufflator and Discussion of Quadro-manometric Principles of Microprocessor Controlled Digital Insufflator. Principles of Cystoscopic, Hysteroscopic and Urological Instruments, Medex pump and Retroperitoneoscopic Instruments and Ergonomics of O. T. setup of these instruments in Operation Theatre. Demonstration of Bipolar Mono polar, Ligasure and Harmonic Scalpel.</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06:00pm Batch B: Lecture of 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.</p>
5	<p>09:00am - 12:00pm Batch A: 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.</p> <p>12:00pm - 02:30pm Lecture and PowerPoint Video Presentation of Various Laparoscopic Access Techniques for Surgeons, Gynaecologists 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 complication. + Second Lecture and Video demonstration of Diagnostic Laparoscopy. Systemetic way of performing diagnostic laparoscopy for all the specialization including tubal patency test and chromotubation for gynaecologist. Diagnosis of undescended</p>

	<p>and vanished testes for urologists.</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06:00pm 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.</p>
6	<p>10:00am - 12:00pm Batch A: 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).</p> <p>12:00pm - 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.</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06:00pm 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).</p>
7	<p>09:00am - 12:00pm Batch A: 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).</p> <p>12:00pm - 02:30pm Batch A + Batch B: Laparoscopic Dissection Techniques (Presentation and Discussion of Principles behind Monopolar,</p>

	<p>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.</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06:00pm Batch B: 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).</p>
8	<p>09:00am - 12:00pm Batch A: Hands On practice of Laparoscopic Intracorporeal Continuous Suturing with Dundee Jamming Knot and Aberdeen Termination (Hands On Training in O. T. environment). Use of continuous suturing in hernia surgery urinary bladder repair and gastric plication, sleeve gastrectomy and TLH.</p> <p>12:00pm - 02:30pm Batch A + Batch B: For Surgeon Lecture and Video demonstration on Laparoscopic Appendicectomy Technique (Presentation of various ways of doing Laparoscopic Appendicectomy including two port appendicectomy stapler appendicectomy and Retrocecal Appendicectomy) + Method of performing Meckel'd diverticulectomy + Laparoscopic Nephrectomy (Powerpoint presentation of how to perform laparoscopic Nephrectomy Techniques and tricks).</p> <p>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).</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06.00pm Batch B: Hands On practice of Laparoscopic Intracorporeal</p>

	Continuous Suturing with Dundee Jamming Knot and Aberdeen Termination (Hands On Training in O. T. environment). Use of continuous suturing in hernia surgery urinary bladder repair and gastric plication, sleeve gastrectomy and TLH.
9	<p>09:00am - 12:00pm  Batch A: Hands On practice of laparoscopic Tissue Retrieval Techniques: Practice of various ways of Laparoscopic Tissue retrieval techniques including, use of endobag, morcellator and hand ports in various surgical Gynecological and urological minimal access surgical procedures + Port Closure Technique practice at the end of laparoscopic surgery.</p> <p>12:00pm - 02:30pm  Batch A + Batch B:  For Surgeon Lecture and Video demonstration on Laparoscopic Cholecystectomy Technique (Presentation of various ways of doing Laparoscopic Cholecystectomy including two port cholecystectomy and SILS Cholecystectomy) +</p> <p>For Gynecologists Tubal Sterilization and Recanalization techniques for tubal block.</p> <p>For Urologist Laparoscopic Management of Undescended testes,</p> <p>02:30pm - 03:00pm  Lunch</p> <p>03:00pm -06:00pm  Batch B: Hands On practice of laparoscopic Tissue Retrieval Techniques: Practice of various ways of Laparoscopic Tissue retrieval techniques including, use of endobag, morcellator and hand ports in various surgical Gynecological and urological minimal access surgical procedures + Port Closure Technique practice at the end of laparoscopic surgery.</p>
10	<p>09:00am - 12:00pm  Batch A: Hands On training on Live Tissue in operation theatre environment for the participants according to their choice of individual surgeons, Gynaecologists and urologists. They will be able to perform animal dissection: Laparoscopic cholecystectomy, Laparoscopic Appendicectomy, Laparoscopic Salpingostomy, Laparoscopic Salpingo-oophorectomy, Laparoscopic Hysterectomy, laparoscopic Nephrectomy, Laparoscopic Sterilization etc.</p> <p>12:00pm - 02:30pm</p>

	<p>Batch A + Batch B: 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.</p> <p>For Gynecologists 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</p> <p>For Urologists PowerPoint Presentation and video demonstration of various ways of Doing Varicocelectomy.</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06:00pm Batch B: Hands On training on Live Tissue in operation theatre environment for the participants according to their choice of individual surgeons, Gynaecologists and urologists. They will be able to perform animal dissection: Laparoscopic cholecystectomy, Laparoscopic Appendicectomy, Laparoscopic Salpingostomy, Laparoscopic Salpingo-oophorectomy, Laparoscopic Hysterectomy, laparoscopic Nephrectomy, Laparoscopic Sterilization etc.</p>
11	<p>09:00am - 12:00pm Batch A: Hands On training on Live Tissue in operation theatre environment for the participants according to their choice of individual surgeons, Gynaecologists and urologists. They will perform Laparoscopic Hernia Surgery, Laparoscopic repair of duodenal perforation, Laparoscopic Nephrectomy, Laparoscopic Total Hysterectomy, Laparoscopic ovarian drilling, endometrial ablation, Laparoscopic Varicocelectomy, Laparoscopic repair of injured bladder etc. They will repeat the cholecystectomy, hernia, Appendicectomy, tubal and Ovarian Surgery also.</p> <p>12:00:pm - 02:30pm Batch A + Batch B:</p> <p>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,</p>

	<p>and staplers using various suturing techniques. Laparoscopic Paediatric Surgery contain demonstration of various laparoscopic and Thoracoscopic paediatric surgery</p> <p>For Gynecologists: 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.</p> <p>For Urologists: Retroperitoneoscopy (PowerPoint Presentation of various ways of Doing Retroperitoneoscopic surgery for Nephrectomy and Retroperitoneoscopic Ureterolithotomy)</p> <p>02:30pm - 03:00pm Lunch</p> <p>03:00pm - 06:00pm Batch B: Hands On training on Live Tissue in operation theatre environment for the participants according to their choice of individual surgeons, Gynaecologists and urologists. They will perform Laparoscopic Hernia Surgery, Laparoscopic repair of duodenal perforation, Laparoscopic Nephrectomy, Laparoscopic Total Hysterectomy, Laparoscopic ovarian drilling, endometrial ablation, Laparoscopic Varicocelelectomy, Laparoscopic repair of injured bladder etc. They will repeat the cholecystectomy, hernia, Appendicectomy, tubal and Ovarian Surgery also.</p>
12	<p>09:00am - 12:00pm Batch A: Hands on training on Live Tissue in operation theatre environment for the participants according to their choice of individual surgeons, Gynaecologists and urologists. They will be able to perform on day of this dissection: Laparoscopic Hernia Surgery, Laparoscopic Nephrectomy, Laparoscopic Total Hysterectomy, Laparoscopic Burch suspension, Laparoscopic Varicocelelectomy etc. They will repeat the cholecystectomy, hernia, Appendicectomy, tubal and Ovarian Surgery or any laparoscopic surgery of your choice. Cardiac Surgeon will be able to dissect Internal mammary artery and pericardiectomy.</p> <p>12:00am - 02:30pm Batch A + Batch B:</p> <p>For Surgeons: PowerPoint Presentation and video demonstration of Laparoscopic Management of Duodenal Perforation.</p>

For Gynecologists: PowerPoint Presentation and video demonstration of Diagnostic and Operative Hysteroscopy (Presentation of various hysteroscopic procedures including TCRE, Polypectomy, Hysteroscopic Myomectomy and Metroplasty).

02:30pm - 03:00pm

Lunch

After Lunch the candidates will have to prepare them self for convocation. Even Diploma candidates have to participate in Certification Ceremony followed by lunch at India habitat centre near India Gate, New Delhi.

03:00pm - 06:00pm

Batch B: Hands on training on Live Tissue in operation theatre environment for the participants according to their choice of individual surgeons, Gynaecologists and urologists. They will be able to perform on day of this dissection: Laparoscopic Hernia Surgery, Laparoscopic Nephrectomy, Laparoscopic Total Hysterectomy, Laparoscopic Burch suspension, Laparoscopic Varicocelelectomy etc. They will repeat the cholecystectomy, hernia, Appendicectomy, tubal and Ovarian Surgery or any laparoscopic surgery of your choice. Cardiac Surgeon will be able to dissect Internal mammary artery and pericardiectomy.

07:00pm - 10:00pm

Shuttle Bus will be arranged for the participants to go to India Habitat Centre from World Laparoscopy hospital for Certification Ceremony. Candidate will be awarded Fellowship in Minimal Access Surgery and Mementoes of fellowship. The Diploma Candidates will only get the CME certificates and Mementoes. The Final Certificate of Diploma candidates will be awarded after completion of their course at the end of four week.

Note: During PowerPoint Presentation of Surgeons gynaecologist may work in Lab and During the PowerPoint of Gynaecologists Surgeon can work in lab to achieve more proficiency of their skill.