



MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

Sector-01, Kamothe, Navi Mumbai -410 209

Tel 022-27432471, 022-27432994, Fax 022 -27431094

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Curriculum for Fellowship in Minimally Invasive Gynecological Surgery

(with effect from 2018-19 Batches)

Approved as per BOM - 53/2018], Dated 19/05/2018

Amended History

1. Approved as per BOM - 53/2018, [Resolution No.4.8], Dated 19/05/2018.



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FORMAT FOR SUBMISSION OF PROPOSAL/ FELLOWSHIP COURSE

1. Title of the fellowship :

Fellowship in Minimally Invasive Gynecological Surgery.

2. Duration of the fellowship :

- a. 1 year (12 Month).
- b. Permissible leave during the course -12 days.

3. Commencement (2 batches) :

- a) 1st June, 2018
- b) 1st December, 2018

4. Objectives of the fellowship:

- a. Key hole surgery has become a norm all around the world and specially so in the field of Gynecological surgery. Adequate exposure to laparoscopic and hysteroscopic surgery is not possible during the post graduation. Therefore there is need for skill development course after post graduation.
- b. The objective of the course is to provide a uniform training program for gynecologists who have completed their residency and desire to acquire additional knowledge and surgical skills in minimally invasive gynecologic surgery so they may serve as a scholarly and surgical resource for the community in which they practice; have the ability to care for patients with complex gynecologic surgical disease via minimally invasive techniques; establish sites that will serve a leadership role in advanced endoscopic and reproductive surgery; and further research in minimally invasive gynecologic surgery.

5. Eligibility Criteria for Admission :

MD (Obs &Gyn) or DGO,DNB,and other Equivalent courses

Note: The eligibility of student for the fellowship/certificate course shall be the minimum qualification required by law to practice the skills as defined in the said fellowship/certificate course.

6. Intake Capacity in each batch :

Total four in a year (2 every six months)

7. Admission/Selection Process/Procedure:

Course shall be published on the University website. The desirous applicant / candidate shall have to apply online and need to pay the prescribed amount of application fees as decided by the university from time to time. The admission of the students or

candidates for the concerned course shall be on the basis of merit. The merit will be decided by university examination (written test and viva).

- a. Written test only on gynecological surgery - 50 marks
- b. Viva – 50 marks.

8. Fees :

- a. MGM alumni - 7lakhs/annual
- b. Other Indian students- 8 lakhs/annual
- c. International students – 14 lakhs/annual

9. Course Content :

- a. Evidence based medicine
- b. Anatomical principals
- c. Instrumentation
- d. Operative laparoscopy
- e. Robotic assisted minimally invasive surgery
- f. Operative hysteroscopy
- g. Vaginal surgery

10. Teaching Scheme (Total periods and periods allotted to each topic).

It will be more of practically oriented program. All surgeries will be recorded and at a later date mentor will view the recorded video with the students and explain the finer points of surgery. Theory lectures will be minimum and need based. Detailed program/ time table will be tailor made for each course.

11. Complete Curriculum of the Course:

- a. Academic prerequisites to complete the fellowship:
 - I. Paper publishing: 2 Original/Review articles + 2 Case studies/Clinical images
 - II. Video editing
 - III. Skill assessment : Examination (Theory and Dry lab)
- b. Outline of 1 year program
 - i. Month 1: Strict observation only
 - ii. Month 2 & 3: Vaginal Assistant
 - iii. Month 4 & 5: Camera Assistant
 - iv. Month 6 & 7: First Assistant
 - v. Month 8: Level 1 cases as operator
 - vi. Month 9 & 10: Level 2 cases as operator
 - vii. Month 11 & 12: Level 3 cases as operator.
- c. Attachment to center of excellence in India and abroad (Optional) – Up to one month attachment to center of excellence in India and abroad will be part of training. Expenses incurred will be paid by the trainee.
- d. Levels of laparoscopic skills: Students should acquire at least level 2 skill before appearing for exams

Laparoscopy
<p><i>Level 1</i></p> <p>Diagnostic laparoscopy Tubal patency tests Sterilization</p>
<p><i>Level 2</i></p> <p>Minor adhesiolysis Ectopic pregnancy Mild endometriosis Cystectomy Salpingo-oophorectomy Tubectomy LAVH without significant associated pathology Sub-total hysterectomy without significant associated pathology</p>
<p><i>Level 3</i></p> <p>Myomectomy Major adhesiolysis with associated pathology Total laparoscopic hysterectomy Endometriosis (stage III and IV) Incontinence procedures Suspension procedures</p>

12. Textbook and Reference Books :

- i. Laparoscopy anatomy of female genital tract.
- ii. Atlas of single port laparoscopic and robotic surgery.
- iii. Nezhat laparoscopic gynecological surgery
- iv. Essentials of hysteroscopic surgery

13. Scheme of Examination (in detail) :

(Pattern of exam/Passing criteria/ Award of fellowship)

- i. Credit based system (pre requisite to appear in exam). Log book to be maintained of work done. Minimal number of cases to qualify competency may be set by the fellowship director.
- ii. Annual examination- theory 100 marks, practical 100 marks

14. Infrastructure required for conducting the course and its availability in the College/Hospital

Minimum Standards Requirements

- a) Pelvic trainer
- b) Facilities for animal experiment.
- c) Fresh frozen cadavers for surgical training
- d) Operative laparoscopic/ hysteroscopic sets- two. One separate for cadaver surgery.
- e) Facility to see and observe robotic surgery.

15. Faculty required (with qualification) for conducting the course:

(a) Program Director – (to be managed from existing teaching staff)

The duties and responsibilities of Director shall include overall monitoring of the Course. To provide with the required academic and infrastructural facilities required for Training Centre.

Eligibility criteria: Maximum age limit shall be 70years. Age of superannuation shall be, as decided by the University, from time to time.

Qualification:

- I. **Person from teaching faculty:** He shall possess the qualifications and experience prescribed by the University for Professor in concerned Health Sciences specialty. The dean/principal of affiliated Health science colleges can also officiate as director of the training center run at their institute /college.
- II. **Person from the non teaching background:** He shall possess the professional experience of 15 years after acquiring the PG degree in Health Sciences including the teaching experience in an affiliated health sciences college/institute, if any;

(b) Center Course Coordinator- To be managed from existing teaching staff.

There shall be one Center Course Coordinator designated for each Fellowship/Certificate Course Conducted by the training center. The duties and responsibilities of Center Course Coordinator shall include:

- I. Organization of academic activities of the courses as per university guidelines.
- II. Preparation and implementation of teaching learning programs, academic calendar, schedules (time table) as per the syllabus.
- III. Administrative work.

Qualifications: The center course coordinator for the fellowship or certificate- courses should be an academician / administrator with post graduate qualification and minimum of 10 years of academic/administrative experience in teaching institute or hospitals not below the rank of administrative officer/associate professor/medical superintendent/senior consultant.

(c) Mentors- Two part time laparoscopic surgeons with qualification/experience in minimal access gyn surgery (to be appointed)

Mentor is the educator designated by concerned Training Centre for imparting teaching or training to the candidates admitted to the concerned Fellowship and/or Certificate Courses; The Mentor should be a fulltime/part time, teaching/Professional faculty. The duties and responsibilities of Mentors shall include. To guide and train the students admitted for the fellowship/certificate course.

Eligibility criteria of Mentor: Maximum age limit shall be 65 years. Age of superannuation shall be as decided by the University, from time to time.

Qualification:

Postgraduate Degree in the concerned or related specialty from recognized institution or University, with additional qualification and/or requisite experience of the concerned specialty of Fellowship and /or Certificate course, if applicable.

16. Summary –

- a) There is need for fellowship course in Gyn endoscopy. Many small clinics all over India have started this course without any regulatory approval.
- b) The students coming for the laparoscopy course can also be appointed as Senior Residents. This will help institute as well as reduce financial burden on the students.
- c) Dept of anatomy has to be instructed for suitable cadavers and a place for surgery in anatomy dept.
- d) Concurrence of MGM Vashi is required to post the students there for learning Robotics surgery as observer.
- e) Addition cost of equipment about 40-50 lakhs.
- f) We require to hire two part time laparoscopic surgeons. One of them Dr Abhishek Mangeshkar is already hired. The additional cost for faculty will be on number of visits/number of cases.
- g) Legal view is needed before starting the course.



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