



*In the Name of God*

Islamic Republic of Iran

Ministry of Health and Medical Education

Deputy Ministry for Education

## Gynecological Endoscopy

Degree: Fellowship

### Introduction:

During the past three decades, we have witnessed the rapid progress and improvement of technology in Laparoscopy field. Furthermore, techniques and indications of surgery with endoscopy are evolving. The use of lightweight high-resolution cameras for gynecology laparoscopies has enhanced the ability to observe pelvis during complex surgical procedures. As endoscopic surgeries have increased during the past few years, it is essential to train specialists and set purposeful policies to train them in this field. After confirming the necessity of this course in the fellowship policy-making committee on September 8th, 2010, a committee was formed to develop the fellowship curriculum. This committee developed the present curriculum and after passing legal procedures, it was delivered to the universities. We are looking forward to receive suggestions of experts and will use them in reviewing the next version of this curriculum.

### Definition and Duration of the Training Course:

Gynecological Endoscopy surgery fellowship, including hysteroscopy and laparoscopy, is a clinical course which is derived from the specialized field of obstetrics and gynecology. Graduates of this course are expert in diagnostic and therapeutic endoscopic surgeries in gynecology, and provide better services and treatments for those suffering gynecologic diseases. The duration of this course is 18 months with the aim of training professional and efficient work force to provide laparoscopic and hysteroscopic procedures.

### Language Requirements:

- Language requirements: Evidence of English Proficiency on the TOEFL or IELTS tests. The minimum score for TOEFL PBT, TOEFL iBT and IELTS is 533, 72 and 5.5 respectively.

- Applicants from Persian (Farsi) Speaking countries (They shall both speak and write in Persian) who have applied for graduate Degree-based programs may be exempted, based on the decision of the department, from submitting any certificates regarding their English Language Proficiency. Nevertheless, they are required to hand in their English language certificate which meets SUMS' minimal language proficiency requirements, within one year from commencing their studies at SUMS.

### Admission Requirements:

- M.B.B.S./M.D. and specialty or equivalent certificates
- Certificate of Internship or Certificate of Practice

### Expected Competencies at the End of the Program

#### General Competencies \*

#### Specific Competencies and Skills

- At the end of the program learners will be competent in the following skills:

Procedure	Observation	Assistance in Performing	Performing Independently	Total
Hysteroscopy Level 1	15	15	20	50
Hysteroscopy Level 2	10	10	10	30
Hysteroscopy Level 3	10	5	5	20
Laparoscopy Level 1	15	15	20	50
Laparoscopy Level 2	15	15	20	50
Laparoscopy Level 3	15	15	10	40
Laparoscopy Level 4	5	5	-	10

- Hysteroscopy level 1 includes diagnostic hysteroscopy, biopsy, removing the IUD and removing mild adhesions.

- Hysteroscopy level 2 includes removing polyps, removing pedunculated myomas, endometrial resection, removing uterine septum and tubal cannulation.

- Hysteroscopy level 3 includes myomectomy type 1 and 2, removing intrauterine adhesions (Asherman's syndrome) and endometrial ablation.

- Laparoscopy level 1 includes simple ovarian cyst aspiration, tubal ligation, diagnostic laparoscopy, biopsy and ovarian cauterization

- Laparoscopy level 2 includes salpingectomy for ectopic pregnancy, salpingectomy, cystectomy, removing mild to moderate adhesions of endometriosis, pedunculated subserous myoma, salpingo-oophorectomy and LAVH

- Laparoscopy level 3 includes hysterectomy, myomectomy (subserosal, intramural), removing intestinal adhesions, simple restoration of bowel and bladder, and fimbrioplasty.

Laparoscopy level 4 includes restoration of connective tissue of pelvic floor defects, lymphadenectomy, endometriosis stage 4, microsurgery and anastomosis of the tube, pre-sacral neurectomy and restoration of the mullerian ducts anomalies

## **Educational Strategies, Methods and Techniques \***

### **Student Assessment (Methods and Types)**

#### **A. Assessment Methods:**

- DOPS
- Portfolio assessment includes logbook assessment, test results, articles, reports of educational activities, rewards and punishments

#### **B. Periods of Assessment**

- Evaluation at the end of each rotation, conducted by the relevant departments
- Continuous assessment every three months
- Final assessment at the end of the course

#### **Ethical Considerations \***

\*Note: The related document(s) can be found at <http://hcmep.behdasht.gov.ir/>.

**The overall structure of the course:**

<b>Department, Unit or Education Setting</b>	<b>Content - Measures</b>	<b>Duration (Month)</b>
Classrooms and Teamwork Rooms	Needed workshop and theory training	During the course
Clinic	Outpatient visits, triage, filling medical records and hospitalizing patients, following up professional consultation for patients, performing outpatient procedures, educating lower classes, providing the required professional consultation and other measures in accordance with regulatory programs of the department	During the course, one to two days a week
Inpatient	Inpatient Visits, patient care, stabilizing the hospitalized patients in the department, performing bedside diagnostic and therapeutic procedures, educating other colleagues and other measures in accordance with regulatory programs of the department	Every day during the course
Operating Room	Participating in surgeries as an observer, or an assistant or doing the surgery independently, in accordance with regulatory programs of the department	During the course at least 2 days a week
Procedure Room	Participating in procedures observer, or an assistant or doing it independently, in accordance with regulatory programs of the department	During the course two days a week of just in case
Urology Department	Related Issues	1 month
General Surgery Ward	Related Issues	1 month
Selective Department	Related Issues	1 month
Skill Lab – Animal Lab	Practicing endoscopic surgeries on animals or models.	1 month and during the course

***Important Notice:***

The above features the curriculum of the Gynecological Endoscopy Program designed and approved by the Iranian Ministry of Health and Medical Education. Given the fact that Shiraz University of Medical Sciences is constantly improving and updating itself to meet the international academic standards and the state of the art, and based on the availability of facilities, devices, ward, laboratories, etc. at SUMS, all the SUMS curricula are approximately 20% subject to change.