

In the Name of God

Islamic Republic of Iran Ministry of Health and Medical Education Deputy for Education

Breast Disease Surgery Degree: Fellowship

Introduction

Breast diseases are of the most common and important reasons for women's presenting to surgical and gynecology clinics. In addition to risking patient's health, breast diseases can cause stress and anxiety in patients and their family and relatives. Breast cancer tops breast diseases as the most common cancer among women and the leading cause of cancer induced mortality. No cancer has witnessed such development and changes as breast cancer in the past 15 years in that the indication and contraindications of a therapeutic regimen has totally changed. Furthermore, multidisciplinary approach in this field has turned into one of the principles of diagnosis, treatment and rehabilitation of patients. These developments led to the creation of fellowship courses in the field of breast diseases in general surgery, radiology, and pathology etc. with its positive results. It seems that we have the potential to promote management of breast cancer both qualitatively and quantitatively by changing diagnostic and therapeutic approaches from traditional to modern academic approaches. Hence, it is necessary to commission the fellowship of breast diseases surgery as a subspecialty in general surgery. This fellowship seeks to have a positive effect on the promotion of education, research and treatment of breast cancer at the national level and to introduce Iran as the most important scientific center, especially among the countries in the region in this subspecialty.

Definition and Duration of Training Program:

Breast Disease Surgery fellowship is a clinical fellowship derived from the general surgery subspecialty, whose graduates are involved in prevention, treatment and care of patients with breast diseases. They will offer their knowledge and skills in education, research and healthcare services to the society. This fellowship duration is 18 months.

Aims:

- 1-To train specialists who are up-to-date, competent, responsible, and sensitive to the health of individuals and society in the specialized field of breast diseases for providing the society with their expertise in the areas of screening, prevention, diagnosis, education, and research.
- 2 -In next 10 years, Iran will be among top countries in the region in this fellowship in terms of educational standards, research production and providing medical services to people.

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 Procedural Skills (Diagnostic-Therapeutic Measures):

- Breast fine needle aspiration (FNA)
- Core needle biopsy of the breast
- Breast conservation surgery

Mastectomy
Axillary lymph node surgery
SLNB
Anoplasty
Breast Reconstruction
Subcutaneous mastectomy NAC (NAC sparing Mastectomy)
Subcutaneous mastectomy without NAC
Open surgery of benign breast lumps
Acute and granulomatous mastitis management and breast abscess drainage
Breast ultrasound for biopsy

Educational Strategies, Methods and Techniques*

Student Assessment

A. Assessment methods:

Written
Oral
Computerized interactive quizzes
OSCE
DOPS
Logbook assessment√
360-degree feedback
Paper assessment
Portfolio assessment

B. Periods of assessment:

(every 6 months and at the end of the course)

C. If the fellowship course is not approved after the initial assessment at the university, the fellow will be rejected and a reserve fellow will be admitted.

Ethical Considerations*

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

Overall structure of the course:

Ward, unit, or education setting	Syllabus- Measures	Duration (month)
Clinic	Outpatient visit - Selecting, filing and admission- Following the specialized counseling of patients- performing outpatient procedures - training the lower ranks - Responding to requested specialized counseling and other measures as scheduled by the ward	12 months (at least 2 days a week)
Inpatient	Inpatient - caring of patients - stabilizing Patients admitted to the ward - performing diagnostic therapeutic procedures - training the lower ranks and other measures as scheduled by the ward	12 months
Operating room	Participation in surgery for observation, assistance or independent performance as scheduled by the ward	12 months (3 days a week)
Procedure room	Participation in procedure for observation, assistance or independent performance as scheduled by the ward	During the course as case study
Rotational ward 1	Medical oncology	1 month
Rotational ward 2	Radiotherapy – oncology	1 month
Rotational ward 3	Breast imaging	1 month
Rotational ward 4	Cellular and molecular biology	2 weeks
Rotational ward 5	Pathology	2 weeks
Rotational ward 6	Psychological therapy	2 weeks
Rotational ward 7	Palliative and nutrition	2 weeks
Rotational ward 8	Research in cancer research centers	1 month

Seyed-Hassan Emami-Razavi MD
Secretariat of the Council for
Graduate Medical Education

Seyed Mansour Razavi MD
Secretary of the Supreme Council for
Medical Sciences Planning

Bagher Larijani MD
Deputy for Education
Ministry of Health and Medical Education