

## 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)
<b>Clinic</b>	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 )
<b>Inpatient</b>	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
<b>Operating room</b>	Participation in surgery for observation, assistance or independent performance as scheduled by the ward	12 months ( 3 days a week )
<b>Procedure room</b>	Participation in procedure for observation, assistance or independent performance as scheduled by the ward	During the course as case study
<b>Rotational ward 1</b>	Medical oncology	1 month
<b>Rotational ward 2</b>	Radiotherapy – oncology	1 month
<b>Rotational ward 3</b>	Breast imaging	1 month
<b>Rotational ward 4</b>	Cellular and molecular biology	2 weeks
<b>Rotational ward 5</b>	Pathology	2 weeks
<b>Rotational ward 6</b>	Psychological therapy	2 weeks
<b>Rotational ward 7</b>	Palliative and nutrition	2 weeks
<b>Rotational ward 8</b>	Research in cancer research centers	1 month



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