

Curriculum for

Post-Doctoral Fellowship

in

BREAST AND ENDOCRINE SURGERY



SRI AUROBINDO UNIVERSITY

SAIMS HOSPITAL CAMPUS, Indore Ujjain, State Highway, Bhawrasla, Indore, Madhya Pradesh 453555

BREAST AND ENDOCRINE SURGERY

PREAMBLE

Breast and Endocrine gland Disorders constitutes about twenty percent of General surgical work. Recently qualified postgraduates in general surgery have inadequate exposure to the recent advances in investigation and newer advances in surgical management of breast and endocrine gland. A focused training under the guidance of experts for one year will solidify their competence and confidence in dealing with Breast and Endocrine Disorders.

LEARNING OBJECTIVES OF THE COURSE

During the course the postgraduate in general surgery is expected to refine his/her knowledge, skills and attitude, applicable to the present day management of breast and endocrine disorders.

At completion a candidate must be able to perform the following.

#Diagnostic work up of breast and endocrine disorders including the genetic evaluation and functional imaging .

#Should have adequate knowledge of latest concepts in comprehensive management of various disorders

#At the end of One year candidate should be able to perform breast and endocrine surgery independently.

Eligibility Criteria:

Candidate should be M.S. in General Surgery from a Medical college recognized by NMC/MCI and affiliated to recognized University or DNB in General Surgery.

Selection Procedure:

Applications will be invited from eligible candidates by notifications on the university. Final selection of the candidate will be done in an entrance exam and interview by selection committee formed by the Syllabus

Duration of Course:

Course duration is One Year.

SYLLABUS

Syllabus includes the basic knowledge of the embryology, anatomy, physiology and pathology pertaining to the diagnostic work up, interpretation of results and surgical management of breast and endocrine glands (Thyroid, Parathyroid, Adrenals)

BREAST:

BENIGN BREAST DISEASE

Fibroadenoma, Fibrocystic Disease, Fibroadenosis , Mastalgia , Phyllodes, Gynaecomastia, Acute Mastitis, Chronic granulomatous mastitis, Nipple disorders and reduction or augmentation mammoplasty.

MALIGNANCIES OF BREAST

Early and Locally advanced carcinoma breast, Paget's disease of breast, Diagnosis, Surgical, Chemotherapeutic and Radiotherapy Management, Systemic Therapy and Immunotherapy.

THYROID:

Benign, Toxic goitres, Thyroiditis, Malignant lesions, Lymph node dissection in thyroid malignancy, Management of retrosternal goitre.

PARATHYROID

Primary Hyperparathyroidism, Secondary and Tertiary Hyperparathyroidism, Familial Hyperparathyroidism, MEN syndromes

ADRENAL

Conn's Adenoma, Cushing Syndrome, Pheochromocytoma, Adrenocortical Carcinoma, Adrenal myelolipoma, Teratoma, Granulomatous adrenal lesions.

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TRAINING SYSTEM

Bedside clinical teaching in wards

OPD clinical teaching

Hands on skills in operation rooms

Seminars

Discussions on Latest guidelines of management

Journal Club

Case presentations

Case Based Scenario Discussions

Online Webinars

OSCE, OSPE

Hands on skills in performing USG of neck and breast

Use of intraoperative adjuncts like neuromonitoring, sentinel node biopsy, parathyroid gland visualization using fluorescent dye, Newer energy devices.

Frozen section biopsy. Imprint cytology analysis Intra-operative PTH assay.

Presentations in National and International conferences, Observerships

Surgical Videos Library

Basic Biomedical Research Methodologies

INTERDISCIPLINARY TRAINING

Tumour Board Meetings (every week) with Surgical oncology. Medical oncology . Radiation oncology and Pathology and other specialities

Endocrine- Pathology sessions/Discussions

Endocrine – Radiology sessions/Discussions

Endocrine- Nuclear Medicine sessions/Discussions

Tele-sessions with other Institutes

RECOMMENDED BOOKS AND JOURNALS

In addition to the standard books and journals recommended for postgraduate courses in General Surgery, following are recommended for breast and endocrine surgery.

- 1.Spear's surgery of the breast: Principles and Art.
- 2.A companion to specialist surgical practice: Breast surgery by J Micheal Dixon and Matthew D Barber
- 3.Thyroid surgery: Principles and Practice by Madan Laxman Kapre
- 4.Atlas of Thyroid and parathyroid Surgery: Madan Laxman Kapre
- 5.Surgery of Thyroid and Parathyroid glands. By Gregory W. Randolph
- 6.Hollinshead's textbook of anatomy.
7. IAES Textbook of Endocrine Surgery
8. World Journal of Endocrine Surgery

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RECOMMENDED EXPERIENCE

Surgery	No. Assisted	No. Performed
Thyroidectomy	20	10
Thyroid cancer surgery	10	3
Neck dissections	10	-
Parathyroid surgery	20	5
Adrenalectomy	5	-
MRM	20	5
BCS	10	5
SLNB	10	5

Oncoplastic Breast Surgery/Breast reconstruction	10	2
Chemoport insertion	20	10
Biopsy of breast lumps	30	20
Breast USG	50	50
Thyroid USG	20	20

The fellow MUST complete the following to get the diploma of fellowship after finishing the tenure:

1. Maintain a log book and complete recommended operative experience as per the table above
2. Publish one original study related to breast or endocrine surgery in reputed national or international journal
3. Attend atleast two breast or endocrine surgery related conferences during the tenure.
4. Present atleast one paper and one poster presentation in one national or international breast / endocrine surgery conference
5. Clinical observership of minimum 1 week in atleast one reputed national or international center during the tenure
6. Present at least 2 seminars, 4 journal clubs, 12 cases and monthly clinical audit during the tenure.
7. One week rotation in medical oncology, radiotherapy and nuclear medicine each