Curriculum for

Post-Doctoral Fellowship

in

**BREAST AND ENDOCRINE SURGERY**

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**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 Tow 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 Two 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 Two 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, Pancreas)

**BREAST:**

BENIGN BREAST DISEASE

Fibroadenoma, Fibrocystic Disease, Fibro adenosis , Mastalgia , Phylloids, 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, Chemothrapeutic 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 Hyeperparathyroidism, Secondary and Tertiary Hyperparathyroidism,

Familial Hyperparathyroidism, MEN syndrome

**ADRENAL**

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

**ENDOCRINE PANCREATIC DISORDERS**

Insulinoma, Gastrinoma, VIPOMA, and other neuroendocrine disorders.

**PAROTIDS**

Benign and Malignant Tumours of Parotid gland

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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 fluorescein dye, Newer energy devices.

Frozen section biopsy. Imprint cytology analysis Intraoperative 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

Telesessions 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. Randolp

6.Hollinshead’s textbook of anatomy.

7.Journal. Breast and Endocrine Surg

8.Indian Journal of Endocrine surgery.

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