

DPU

Dr. D. Y. PATIL VIDYAPEETH, PUNE
(DEEMED UNIVERSITY)

Syllabus
for
PG Surgical Specialities

2014-15

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A decorative border consisting of two parallel lines forming a rectangle. At each of the four corners, the lines meet at a diamond-shaped junction, creating a stylized frame.

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GENERAL SURGERY

1. GOALS

The goal of postgraduate medical education shall be to produce competent specialists and / or Medical teachers.

- i. Who shall recognize the health needs of the community and carry out professional obligations ethically and in keeping with the objectives of the national health policy.
- ii. Who shall have mastered most of the competencies, pertaining to the specialty, that are required to be practiced at the secondary and the tertiary levels of the health care delivery system;
- iii. Who shall be aware of the contemporary advance and developments in the discipline concerned;
- iv. Who shall have acquired a spirit of scientific inquiry and is oriented to the principles of research methodology and epidemiology; and
- v. Who shall have acquired the basic skills in teaching of the medical and paramedical professionals;

2. OBJECTIVES

The aim of the course is that at the end of three years (6 Terms) training the candidates who are conferred the degree of MS General Surgery, shall be able to :

- 2.1 Practice the art and science of General Surgery in that they should be able to provide comprehensive and the state of art preoperative, operative and postoperative care to the patient.
- 2.2 They should have acquired skills in teaching the basic principles of general surgery to his junior colleague, UG medical student and the paramedical staff.
- 2.3 He / she should be able to carry out research and then be able to interpret the findings and communicate these results to his / her fraternity.
- 2.4 He / she should have developed the art of self learning so as to be able to keep abreast of the changing

knowledge in General Surgery and be able to participate in CME programme.

- 2.5 He / she should be able to organize and manage the administrative responsibilities of routine day to day activities of a surgical unit and also of those involved in dealing with natural / man made calamities.
 - 2.6 He /she should be able to recognize and manage emergencies in general surgery including surgical intervention.
 - 2.7 He / she should have developed the knowledge, skill and attitude to pursue further the area of interest and / or become specialized in the allied branches of surgery.
 - 2.8 Should have developed an awareness of the importance of surgical audit so as to be cost effective in patient management.
 - 2.9 He / she should be aware of ones own professional limitations and thus be able to refer / consult with the appropriate senior / more experienced colleague or be able to refer to an appropriate center at the optimal time when required.
 - 2.10 He / she should be be able to keep proper and accurate medical records of the routine cases as well of the medico legal ones.
 - 2.11 He / she should be aware of the ethical conduct of the practice of the art and science of surgery especially in the ambit of Doctor – Patient relationship.
 - 2.12 He / she should have developed proper communication skills so that he / she would have a proper attitude when dealing with the patient or the relatives.
3. **SPECIFIC OBJECTIVES** / (Specific instructional objectives(SIO)

These are to be developed at the departmental level wherein each topic covered in the syllabus will be individually considered in order that appropriate time is allotted (for both

theory and practical training) so that developed to the levels envisaged in the SIO's.

OUTLINE PG TRAINING ACTIVITIES

1. The PG course for the degree of MS (General Surgery) is divided into six semesters of six months each. The semesters being from: -
 - (a) April to September
 - (b) October to March.

2. In addition to the daily ward, OPD and OT work the students will be required to carry out the following as outlined below.
 - (a) First Semester**
 - i) Carry out a planned Systematic Study as per programme
 - ii) Sit for Formative assessment quarterly tests.
 - iii) Weekly centralized case presentation
 - iv) Will obtain log Books and maintain them. These will be submitted, through respective units to HOD for perusal every month. These will be maintained through the whole course.
 - v) Bed Side clinics during ward rounds
 - vi) Attend the UG bedside Clinics being conducted in their units.
 - vii) Dissertation selection, presentation of synopsis and submission to the university.
 - viii) Attend all PG activity in the Dept / College.
 - ix) Attend and/or participate in Surgical Conferences whenever applicable.
 - x) Progress report will be forwarded to the University at the end of semester.

(b) Second Semester

- i) Carry out a planned Systematic Study as per programme
- ii) Sit for Formative assessment Monthly tests.
- iii) Weekly centralized case presentation
- iv) Bed Side clinics during ward rounds
- v) Attend the UG bedside Clinics being conducted in their units.
- vi) Maintain Log book.
- vii) Dissertation research work.
- viii) Attend all PG activity in the Dept / College.
- ix) Attend and/or participate in Surgical Conferences whenever applicable.
- x) Progress report will be forwarded to the University at the end of semester.

(c) Third Semester

- i) Will be posted in rotation to other Surgical units, specialties such as Urology, Neurosurgery, Reconstructive Surgery, ICU. And any other sub specialty that is established from time to time.
- ii) Will participate in Seminars which will be conducted once a month
- iii) Will participate in Journal club which will be conducted once a fortnight.
- iv) Weekly centralized case presentation
- v) Bed Side clinics during ward rounds
- vi) Attend the UG bedside Clinics being conducted in their units.
- vii) Maintain Log book.
- viii) Dissertation research work.
- ix) Attend all PG activity in the Dept / College.
- x) Attend and/or participate in Surgical Conferences whenever applicable.

- xi) Progress report will be forwarded to the University at the end of semester.
- xii) Sit for Formative assessment quarterly tests

(d) Fourth Semester

- i) Will be posted in rotation to other Surgical units, specialties such as Urology, Neurosurgery, Reconstructive Surgery, ICU. And any other sub specialty that is established from time to time.
- ii) Will participate in Seminars which will be conducted once a month
- iii) Will participate in Journal club, which will be conducted once a fortnight.
- iv) Weekly centralized case presentation
- v) Bed Side clinics during ward rounds
- vi) Attend the UG bedside Clinics being conducted in their units.
- vii) Maintain Log book.
- viii) Dissertation research work and writing..
- ix) Attend all PG activity in the Dept / College.
- x) Attend and/or participate in Surgical Conferences whenever applicable.
- xi) Progress report will be forwarded to the University at the end of semester.
- xii) Sit for Formative assessment quarterly tests

(e) Fifth Semester

- i) Will be posted back to parent unit.
- ii) Will participate in Recent Advances lectures, which will be conducted in rotation once a week.
- iii) Weekly centralized case presentation
- iv) Bed Side clinics during ward rounds
- v) Attend the UG bedside Clinics being conducted in their units and when detailed to conduct the same.
- vi) Maintain Log books.
- vii) Attend all PG activity in the Dept / College.

- viii) Attend and/or participate in Surgical Conferences whenever applicable.
- ix) Dissertation research work, writing and carry out a defence of dissertation followed by submission to the University via the HOD Surgery.
- x) Progress report will be forwarded to the University at the end of semester.

(f) Sixth Semester

- i) Will be posted back to parent unit.
- ii) Will participate in Recent Advances lectures, which will be conducted in rotation once a week.
- iii) Weekly centralized case presentation
- iv) Bed Side clinics during ward rounds
- v) Attend the UG bedside Clinics being conducted in their units and when detailed to conduct the same.
- vi) Maintain Log books.
- vii) Attend all PG activity in the Dept / College.
- viii) Attend and/or participate in Surgical Conferences whenever applicable.
- ix) Progress report will be forwarded to the University at the end of semester.
- x) Will sit for preliminary examination. Passing in this exam is a must for appearing in the university exam.

OUTLINE SYLLABUS FOR SELF STUDY

1. **Basic Considerations I**
 - (a) Systemic response to injury and Metabolic Support
 - (b) Fluid and electrolyte balance in Surgical Patients.
 - (c) Haemostasis, surgical bleeding and Transfusion.
 - (d) Shock.
 - (e) Surgical Infections.
 - (f) Trauma.

2. **Basic Considerations II**
 - (a) Burns
 - (b) Wound Healing
 - (c) Oncology
 - (d) Transplantation
 - (e) Patient Safety and complications in Surgery.
 - (f) Physiological monitoring of surgical patient.
 - (g) Cell, Genome and Molecular Biology

3. **General Surgery I**
 - (a) Skin and subcutaneous tissue
 - (b) Breast
 - (c) Disorders of Head & Neck
 - (d) Arterial Diseases
 - (e) Venous & Lymphatic disorders

4. **General Surgery II**
 - (a) Soft tissue sarcoma
 - (b) Inguinal hernia

- (c) Minimally Invasive surgery
- (d) Surgery in elderly
- (e) Surgery of the hand

5. **GIT I**

- (a) Oesophagus and Diaphragm
- (b) Stomach
- (c) Bariatric Surgery
- (d) Small Gut

6. **GIT II**

- (a) Colon, rectum and Anus
- (b) Appendix

7. **GIT III**

- (a) Liver
- (b) Gall bladder, and Extra hepatic Biliary System
- (c) Pancreas
- (d) Spleen

8. **Endocrines**

9. **Paediatric Surgery and Neurosurgery**

10. **Urology**