

# Master Degree in General Surgery



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## 1- Attributes of graduate:

By the end of General Surgery Master Degree Program the graduate should be able to:

- 1.1 Apply and analysis of basic knowledge with academic background to use in general surgery.
- 1.2 Use knowledge and skills necessary to practice clinical and operative surgery
- 1.3 Apply fundamental knowledge of embryology and congenital malformations related to the practice of general surgery
- 1.4 Acquired the competence and meet the need of our local community and respond appropriately to culture medical needs
- 1.5 Use new technology necessary to practice operative surgery
- 1.6 Communicate effectively with his colleagues and health professionals in an environment of trust.
- 1.7 Properly interpret investigations result to reach a provisional diagnosis in surgical practice
- 1.8 Have a good communication skills and professional attitude dealing with patients and their families
- 1.9 Aware of medical ethics and legal rights of patient and his family.
- 1.10 Able to collect and analyse medical research data according to basic research methodology.

- 1.11 The graduate should be aware with the importance of continuous medical education and improvement of his practical skills.
- 1.12 Use available hospital resources efficiently
- 1.13 To practice with integrity, credibility and accountability.
- 1.14 Awareness with new diagnostic and operative tools in practicing general surgery.
- 1.15 Decision making capability, time stress management in emergency situations.

## **2- Academic standards:**

### **2.1 Knowledge and understanding:**

*By the end of General Surgery Master Degree program the graduate should understand and be familiar with all of:*

- 2.1.1 Theoretical knowledge and fundamentals related to the practice of general surgery.
- 2.1.2 Mutual influence between professional practice and its impacts on the environment.
- 2.1.3 Discuss new scientific developments in the field of general surgery.
- 2.1.4 Moral and legal principles of professional practice in general surgery
- 2.1.5 Identify the principles and the basics of quality in professional practice.
- 2.1.6 Ethics and methodology of scientific research.

## **2-2 Intellectual Skills:**

By the end of General Surgery Master Degree program the graduate should understand and be familiar with all of:

- 2.2.1** Analyse and evaluate the academic knowledge in surgery and analogies to solve surgical problems.
- 2.2.2** Solve critical problems with the unavailability of some resources.
- 2.2.3** Link between theoretical knowledge of surgical specialities and sub-specialties to diagnose and manage general surgery cases.
- 2.2.4** Conducting a research study and writing a systematic scientific study on the research problems.
- 2.2.5** Risk assessment in professional practice.
- 2.2.6** Job planning for the development of professional performance in surgery.
- 2.2.7** Professional decision making in a variety of professional contexts.

## **2-3 Professional and Clinical skills:**

By the end of General Surgery Master Degree program the graduate should understand and be familiar with all of:

- 2.3.1** Master specialized skills in the practice of general surgery.
- 2.3.2** Writing and evaluating patient's professional surgical reports.
- 2.3.3** Assess sensitivity and specificity of workplace investigation methods and tools related to the practice of general surgery.
- 2.3.4** Able to write a professional systematic plan for upgrading workplace service performance in surgery.

## **2-4 General and Transferable Skills:**

*By the end of General Surgery Master Degree program the graduate should understand and be familiar with all of:*

- 2.4.1** Effective communication at all levels of professional health care.
- 2.4.2** The use of information enhanced technology to serve the professional practice.
- 2.4.3** Self-assessment and determine his/her educational needs.
- 2.4.4** Use of different resources of information and knowledge supporting his/her clinical practice.
- 2.4.5** Follow rules of workplace-based assessment for assessors.
- 2.4.6** Manage time and work stress efficiently.
- 2.4.7** Continuous medical education.