



Postgraduate Student Guidebook

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Postgraduate Student Guidebook

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Postgraduate Student Guidebook



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Preface

Dear students,

It is our pleasure and delight to present you with the postgraduate student guidebook. This guidebook includes very important information about Assiut Governorate and Assiut University. Moreover, it includes the internal regulations and the study system of the faculty of Medicine and its activities.

It also provides the academic reference standards and the intended learning outcomes of the basic and clinical programs in the faculty, which lead to graduate competent physicians capable of good medical practice, continuous medical learning, national, and regional competition.

By the end I wish that this guidebook will help you to succeed and progress in your life



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Word of the Dean of Faculty of Medicine



Dear students,

We are glad to present you with this guidebook, which includes important information about the faculty, its activities, the internal regulations and the study system of the faculty.

It also provides the aims and the intended learning outcomes of each program in the faculty, with important information about the services provided by the faculty and university, activities and methods of contribution in them, which as a whole lead to graduation of a highly-qualified physician, who is able to compete in local and international labor market

In the end I wish you success and progress in your life and that this guide will be of help and assistance for you all.

Prof. Alaa Mohamed Ahmed Attia
Dean of Faculty of Medicine, Assiut University

About Assiut Governorate



✓ History behind the name

Assiut could maintain its name throughout history. The name 'Assiut' had been originally derived from the Ancient Egyptian (Sa-oot), which means a guard who watches the borders between Upper Egypt and Lower Egypt. The name remained unchanged until the Greco-Roman times where it was given the name Lycopolis (city of the wolf).

✓ Location

The governorate of Assiut lies on the bank of the great Nile. It is about 130 km long and its valley is about 10 – 20 km wide. It is limited by El Minya governorate north, Souhag governorate south, The Red Sea governorate east and The New Valley one western south. It is considered to be about 375km far from Cairo.



✓ Climate

Assiut lies in the north of Upper Egypt and it is said to have a desert climate:

- **June, July and August** are the hottest months in the year while **January** is the coldest month.
- The humidity is to be its highest in **January** as it reaches 60 – 70% and reaches its lowest in May and June to be 20%.

✓ Statistics

- Total area 13720 Km².
- Percentage to total area of Egypt 0.15%.
- Population = 4,6 million ((according to the data statistics of 2017) (Male percentage 51.7%, female percentage 48.3%)
- Population Density 1840 persons/Km².
- Rural population 3.1 urban population 1.1.
- Percentage to the whole Population of Egypt 4,82%.
- Population growth rate 2,6%.
- Assiut Governorate administrative divisions: 10 Locality, 2 Districts, 50 Local administrative units, 185 small villages, 883 smaller villages.

✓ Natural resources

✦ Water resources

The fresh water sources are divided into two important sources:

First: The Nile

- About 1095 million m³ is used every year for agriculture in Assiut.
- Some islands and the Nile banks can be used for bringing up fish so it can reproduce.
- It is used also in transport as well.
- It also plays an important role in the production of electric power.
- Most importantly it is the main source of drinking water.

Second: The Underground water

- Assiut shares a part in the Nile valley tank, which is 32.000 billion m³ from the underground water, being the main source of drinking water and a secondary source for irrigation.

✦ Land Resources

The most important crops, which Assiut is famous for, are **wheat, cotton, peanut** and **citrus**.

Assiut National Day

Assiut celebrates its annual National Day on the 18th of April, commemorating the revolution of the village of Bani-Addiat against the French invaders in the year 1799 AD when the people of the village fought a terrible battle against the French until many were killed and martyred. The French could hardly win the battle only after they hit the town and bombarded it with their fire guns that set all the houses and property in flames.

Major Centers

- Assiut
- Al-Badary
- Dairout
- Sedfa
- Abnoub
- Al-Ghanaeim
- Manfalut
- Abu-Tig
- AlQusaiya
- Sahel Saleem



Famous People From Assiut



Assiut was the birthplace of many leaders and men of thought and religion.

- Imam Jalaluddin Al Soyouti.
- Omar Makram, a political leader. *(left picture)*
- Mustafa Lutfi Al-Manfalouti, the literary figure. *(middle picture)*
- Mohamed Mahmoud Pasha, former Prime Minister of Egypt
- Sheikh Hassanein Makhlouf, former Mufti of Egypt.
- Gamal Abdel Nasser, former President of Egypt. *(right picture)*
- Sheikh Ahmed Hasan Al-Baqouri, former Minister of Awqaf.
- Kamal Hasan Ali, former Prime Minister.
- Mahmoud Hassan Ismail, a poet.
- Ahmed Baha'Eddin, a journalist.
- Dr. Mahmoud Mahfouz, former Minister of Health.
- Dr. Gamal Al Otteify, former Minister of Culture.
- Ismail Al Qabbani, former Minister of Education.

Important Landmarks

Assiut Barrage



Virgin Mary Monastery



Ganadela Monastery



Al Farghaly Mosque



About Eiyoun Mosque



El Moharraq Monastery



Assiut City in pictures



Assiut Railway Station



Assiut International Airport



Local Council



Assiut Governorate Building



Sunset over the Nile



Al Zahraa Tunnel



El Mahatta Square

About Assiut University



- It was established in 1957.
- 3rd oldest university in Egypt.
- The first one in Upper Egypt.
- 18 Faculties & 2 Institutes.
- 20 special units.



Assiut University was inaugurated in October 1957. Up to that date the facilities for tertiary education in Egypt were limited to the two large cities, namely Cairo and Alexandria. This centralization was not to the interest of the southern part of the country, which extends along the valley strip, some 900 Km south of Cairo.

The university recruits students from schools of the southernmost governorates of Egypt. Also some students from other governorates and from other Arab states are enrolled at the university.

The university provides undergraduate and postgraduate degree programs in physical and biological sciences, engineering, humanities, education, physical education, social and economic studies, arts, law, medicine, veterinary medicine and agriculture.



About Faculty of Medicine



Assiut University Faculty of Medicine (AUFOM) was established in 1960. It's the oldest medical school in Upper Egypt. Both AUFOM and the hospital complex are located in the University Campus, and both are recognized in many areas of medical research and clinical care. They play very important role in improving the health status of Egyptian citizens in Upper Egypt.

It includes the university hospitals:

- The main university hospital
- The pediatrics hospital
- The woman health hospital
- AL- Raghi Liver Hospital
- Cardiology Hospital (Orman Hospital)
- Urology Hospital
- Neurology and psychiatry hospital
- Trauma center
- Om el Kesour Hospital
- New Assiut Hospital



Assiut faculty of medicine grants **81** scientific degrees in different medical specialities in basic and clinical sciences.

- ✓ **Established in 1960.**
- ✓ **2274, In addition to the assistant staff members 1354.**
- ✓ **The number of scientific departments 32.**



Opportunities in Assiut Faculty of Medicine:

- Highly qualified staff members in different specialties.
- Academic supervisor to follow up the students.
- Chief university hospital and distinct medical centers.
- Fully equipped laboratories.
- Scholarships with reduced fees for excelling students.
- Medical insurance for the students and their families.
- Central restaurant.
- Guesthouse.
- Olympic sport village including an Olympic swimming pool, a soccer stadium and playgrounds for different sports.



Main university hospital



Women health hospital



Pediatrics hospital



Cardiology hospital (Orman Hospital)



Urology hospital



Neuropsychiatry and neurosurgery hospital

The Mission of the faculty of medicine

The Faculty of Medicine, Assiut University, is committed to graduate competent physicians capable of good medical practice, continuous medical learning, national and regional competition. The faculty is also committed to promote scientific research, upgrade and develop the profession in addition to providing the society with satisfactory medical services in a novel and ethical framework.

The Vision of the faculty of medicine

To attain pioneer regional and advanced international ranking via achieving an ongoing distinction in the fields of education, scientific research and community services.



About Faculty of Medicine

Departments

First: Academic Departments

1. Human Anatomy & Embryology



Anatomy Museum

Histology Lab



2. Histology

3. Medical Physiology

Physiology Lab





Biochemistry Lab

4. Medical Biochemistry

5. Pathology



Pathology Lab



Pharmacology Lab

6. Medical Pharmacology



7. Medical Microbiology & Immunology



Students' Lab

8. Public Health & Community Medicine

Computer Lab



9. Medical Parasitology



Parasitology Lab

10. Forensic Medicine & Clinical Toxicology



Forensic medicine Lab

Second: Clinical Departments

Operation Room



1. General Surgery

2. Neurosurgery

3. Urology

4. Orthopedic Surgery

5. Internal medicine

6. Nephrology

Microsurgery unit



Renal Dialysis unit



7. Haematology

8. Chest Diseases & TB

9. Neurological Diseases & Psychiatry



10. Gynecology & Obstetrics

With the increasing interest in woman's health The *Women Health Hospital* was established to provide medical care, counseling, teaching and training in Upper Egypt. It includes:

- Emergency unit
- Intensive care unit
- Endoscopic unit
- Obstetric unit
- Outpatient clinic and Family Planning clinic.



11.Dermatological & Venereal diseases & Andrology

12.Rheumatology , Rehabilitation & Physical medicine

13.Tropical medicine & Gastroenterology

Al Raghi Liver Hospital



14.Pediatric Medicine

The pediatric Hospital was established on 7000m and is composed of 5 floors with capacity of 400 beds.

It includes the following departments and units:

- **Emergency unit**
- **Gastroenterology, Hepatic and Malnourishment unit**
- **Hematology unit**
- **Nephrology unit**
- **Cardiology unit**
- **Neurology unit**
- **Chest diseases unit**
- **Hereditary diseases unit**
- **Endocrinology unit**
- **Neonatology unit**
- **Intensive and Intermediate care unit**
- **Pediatric surgery unit**
- **Outpatient clinic**

Pediatrics Hospital





Neonatology unit

15.Ophthalmology

16.Clinical Oncology

18.Diagnostic Radiology

17.Nuclear Medicine

19. Anesthesia & ICU

20.ENT



Radiology unit





Intensive care unit



Total Lab Automation (Core lab)

21. Clinical Pathology department

22. Cardiovascular medicine department

23. Family Medicine

24. Phoniatics unit

25. Audiology unit



Coronary care unit



About Quality Assurance Unit (QAU)



Quality assurance and accreditation unit is established to ensure the quality of the University graduates to compete nationally, regionally, and internationally.

Quality assurance for medical education is defined as: The means of ensuring that, informed by its mission, academic standards are defined and achieved in line with equivalent standards nationally and internationally, and that the quality of learning opportunities, research and community involvement are appropriate and fulfill the expectations.

Accreditation is defined as the national and international recognition of any agency or institution. To achieve this, the organization should demonstrate that its programs meet acceptable standards and that it has in-place effective systems and should ensure the quality and continuing improvement of its academic activities



The Centre contains 3 halls

Each hall is equipped by:

- Air- Condition
- Wireless Microphones
- Data Show
- Logistics





CPR training



Visit of the CIQAP team to the Quality Assurance Unit



**Accreditation of Faculty of
Medicine in 12-7- 2012
Re -accreditation: 1-11-2018**



Postgraduate Degrees Granted by Assiut Faculty of Medicine

1st: Masters Degree

1. Human Anatomy
2. Histology
3. Medical Physiology
4. Medical Biochemistry
5. Pathology
6. Pharmacology
7. Medical Microbiology & Immunology
8. Parasitology
9. Public Health and Community Medicine
10. Occupational and Environmental Medicine
11. Forensic Medicine and Clinical Toxicology
12. General surgery
13. Neurosurgery
14. Urology
15. Orthopedic surgery
16. Internal Medicine
17. Nephrology
18. Clinical Haematology
19. Chest diseases & tuberculosis
20. Neurology & psychiatry
21. Dermatology and Venereology

22. Rheumatology, Rehabilitation
23. Tropical medicine & Gastroenterology
24. Gynecology and Obstetrics
25. Pediatrics
26. Ophthalmology
27. Clinical Oncology
28. Nuclear medicine
29. Radio diagnosis
30. Anesthesia and Post operative intensive care
31. Ear, Nose and Throat Surgery
32. Phoniatic Disorders
33. Audiology
34. Clinical pathology
35. Cardiovascular Medicine
36. Family Medicine
37. Population Reproductive Health & Demography
38. Plastic and reconstructive Surgery
39. Critical Care Medicine
40. Emergency Medicine
41. Vascular Surgery
42. Clinical Toxicology
43. Infection Control
44. Andrology, Sexology and Sexually Transmitted Diseases
45. Dermatology



2nd Doctorate Degree

1. Human Anatomy
2. Histology
3. Medical Physiology
4. Medical Biochemistry
5. Pathology
6. Pharmacology
7. Medical Microbiology & Immunology
8. Parasitology
9. Public health & Community Medicine
10. Occupational and Environmental Medicine
11. Forensic medicine and Clinical Toxicology
12. General surgery
13. Cardiothoracic surgery
14. Plastic Surgery
15. Neurosurgery
16. Vascular Surgery
17. Urology
18. Orthopedic surgery
19. Internal medicine
20. Nephrology

21. Clinical Haematology
22. Chest diseases & Tuberculosis
23. Neurology
24. Psychiatry
25. Dermatology and Venereology
26. Rheumatology, Rehabilitation
27. Tropical medicine & gastroenterology
28. Gynecology and Obstetrics
29. Pediatrics
30. Ophthalmology
31. Clinical Oncology
32. Nuclear medicine
33. Radio diagnosis
34. Anesthesia and Postoperative intensive care
35. Ear, Nose and Throat Surgery
36. Phoniatrics Disorders
37. Audiology
38. Clinical pathology
39. Cardiovascular medicine
40. Pediatric Surgery
41. Clinical Toxicology
42. Population Reproductive Health & Demography
43. Andrology, Sexology and Sexually Transmitted Diseases
44. Dermatology



Professional Diplomas Granted by Assiut Faculty of Medicine

1. Professional Diploma in Fetal Medicine
2. Professional diploma in Medical Education
3. Professional Diploma in Hospital Infection Control for Medical Health Providers
4. Professional Diploma in hand Surgery
5. Professional Diploma in reconstructive Microsurgery of extremities, Brachial plexus, and peripheral Nerve Surgery
6. Professional diploma in Clinical Nutrition
7. Professional Diploma in Hepato-Pancreatico-Biliary Surgery
8. Professional Diploma in Hepato Pancreatico-Biliary Anesthesia & Intensive care
9. Professional Diploma in Hepato-Pancreatico-Biliary Medicine

Ongoing

1. Professional Diploma in Analytic toxicology
2. Professional Diploma in Pain management
3. Professional Diploma in gynecological endoscopy

Academic reference standards for Master Degree in Clinical Speciality

1- Graduate attributes for Masters Degree

The Graduate (after residence, training and master degree years of study) must:

- 1- Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit in the chosen field of medicine.
- 2- Appraise and utilise scientific knowledge to continuously update and improve clinical practice in related specialty.
- 3- Acquire sufficient medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care in the field of specialty.
- 4- Provide patient care that is appropriate, effective and compassionate for dealing with common health problems and health promotion using evidence-based and updated information.
- 5- Identify and share to solve health problems in his specialty.
- 6- Acquire all competencies –including the use of recent technologies- that enable him to provide safe, scientific, and ethical and evidence based clinical care including update use of new technology in the speciality field.
- 7- Demonstrate interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.
- 8- Function as supervisor, and trainer in relation to colleagues, medical students and other health professions.
- 9- Acquire decision-making capabilities in different situations related to his field of practice.
- 10- Show responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.
- 11- Be aware of public health and health policy issues and share in system-based improvement of health care.
- 12- Show appropriate attitudes and professionalism.
- 13- Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in the speciality or one of its subspecialties.



2- Competency based Standards for Clinical Masters Degree graduates

Knowledge and understanding

By the end of the program, the graduate should demonstrate satisfactory knowledge and understanding of

- Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problem and topics.
- The relation between good clinical care of common health problems in the specialty and the welfare of society.
- Up to date and recent developments in common problems related to the field of specialty.
- Ethical and medico legal principles relevant to practice in the specialty field.
- Quality assurance principles related to the good medical practice in the specialty field.
- Ethical and scientific basics of medical research.

Intellectual skills:

By the end of the program, the graduate should be able to demonstrate the following:

- Correlation of different relevant sciences in the problem solving and management of common diseases of the specialty.
- Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to specialty.
- Demonstrating systematic approach in studying clinical problems relevant to the specialty field.
- Making alternative decisions in different situations in the field of the specialty.

Clinical skills

By the end of the program, the graduate should be able to

- Provide patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health.
- Demonstrate patient care skills relevant to that specialty for patients with common diseases and problems.
- Write and evaluate reports for situations related to the field of specialty.



General skills

By the end of the program, the graduate should be able to:

- ***Competency-based objectives for Practice-based Learning and Improvement***
 - Demonstrate practice-based learning and improvement skills that involve investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management.
 - Use all information sources and technology to improve his practice.
 - Demonstrate skills of teaching and evaluating others.
- ***Competency-based objectives for Interpersonal and Communication Skills***
 - Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.
- ***Competency-based objectives for Professionalism***
 - Demonstrate professionalism behaviors, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.
- ***Competency-based objectives for Systems-based Practice***
 - Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.
 - Demonstrate skills of effective time management.
 - Demonstrate skills of self and continuous learning.



Academic reference standards for Medical Doctorate in Clinical Speciality

1- Graduate attributes for Medical Doctorate

The Graduate (after residence training and medical doctorate years of study) must:

- 1- Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in the chosen field of medicine.
- 2- Have continuous ability to add knowledge to the speciality through research and publication.
- 3- Appraise and utilise relevant scientific knowledge to continuously update and improve clinical practice.
- 4- Acquire excellent level of medical knowledge in the basic biomedical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care and scientific research.
- 5- Function as a leader of a team to provide patient care that is appropriate, effective and compassionate for dealing with health problems and health promotion.
- 6- Identify and create solutions for health problems in his specialty.
- 7- Acquire an in depth understanding of common areas of speciality, from basic clinical care to evidence based clinical application, and possession of required skills to manage independently all problems in these areas.



- 8-** Demonstrate leadership competencies including interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.
- 9-** Function as teacher in relation to colleagues, medical students and other health professions.
- 10-** Master decision-making capabilities in different situations related to his field of practice.
- 11-** Show leadership responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.
- 12-** Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care, and identify and carry out system-based improvement of care.
- 13-** Show model attitudes and professionalism.
- 14-** Demonstrate commitment for lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages and in the speciality or one of its subspecialties.
- 15-** Use recent technologies to improve his practice in the speciality field.
- 16-** Share in updating and improving clinical practice in the speciality field.

2- Competency based Standards for Medical Doctorate

Knowledge and understanding

By the end of the program, the graduate should demonstrate satisfactory knowledge and understanding of

- Established, updated and evidence- based theories, basics and developments of specialty and relevant sciences.
- Basics, methods and ethics of medical research.
- Ethical and medico legal principles of medical practice related to specialty field.
- Principles and measurements of quality in the specialty field.
- Principles and efforts for maintenance and improvements of public health.

Intellectual skills

By the end of the program, the graduate should be able to demonstrate the following

- Application of basic and other relevant science to solve specialty related Problems.
- Problem solving based on available data.
- Involvement in research studies related to the specialty.
- Writing scientific papers.
- Risk evaluation in the related clinical practice.
- Planning for performance improvement in the specialty field.
- Creation and innovation in the specialty field.
- Evidence – based discussion.
- Decision-making in different situations related to the specialty fields.



Clinical skills

By the end of the program, the graduate should be able to

- ***Competency-based outcomes for Patient Care:***

- MD students must be able to provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health extensive level means in depth understanding and from basic science to evidence – based clinical application and possession of skills to manage independently all problems in his field of practice.
- Master patient care skills relevant to that specialty for patients with all diagnoses and procedures.
- Write and evaluate reports for situations related to the field of specialty.

General skills

By the end of the program, the graduate should be able to

- ***Competency-based outcomes for Practice-based Learning and Improvement***

- Master practice-based learning and improvement skills that involves investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management
- Use competently all information sources and technology to improve his practice.
- Master skills of teaching and evaluating others.

- ***Competency-based objectives for Interpersonal and Communication Skills***

- Master interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.

- ***Competency-based objectives for Professionalism***

- Master Professionalism behavior, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

- ***Competency-based objectives for Systems-based Practice:***

- Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.
- Participate in improvement of the education system.
- Demonstrate skills of leading scientific meetings including time management
- Demonstrate skills of self and continuous learning.



Academic reference standards for Master Degree in Basic Speciality

1- Graduate attributes for Masters Degree

The Graduate (after residence, training and master degree years of study) must:

- 1- Have the capability to be a scholar, understanding and applying basics, methods and tools of scientific research and clinical audit in the chosen field of medicine.
- 2- Appraise and utilise scientific knowledge to continuously update and improve clinical practice in related specialty.
- 3- Acquire sufficient medical knowledge in the basic biomedical, clinical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care in the field of specialty.
- 4- Dealing with common health problems and health promotion using evidence-based and updated information in the field of specialty.
- 5- Identify and share to solve health problems in his specialty.
- 6- Acquire all competencies –including the use of recent technologies- that enable him to provide safe, scientific, and ethical and evidence based clinical care including update use of new technology in the specialty field.
- 7- Demonstrate interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.
- 8- Function as supervisor, and trainer in relation to colleagues, medical students and other health professions.
- 9- Acquire decision-making capabilities in different situations related to his field of practice.
- 10- Show responsiveness to the larger context of the health care system, including e.g. the organisation of health care, partnership with health care providers and managers, practice of cost-effective health care, health economics, and resource allocations.
- 11- Be aware of public health and health policy issues and share in system-based improvement of health care.
- 12- Show appropriate attitudes and professionalism.
- 13- Demonstrate skills of lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages in the speciality or one of its subspecialties.



2- Competency based Standards for Basic Masters Degree graduates

Knowledge and understanding

By the end of the program, the graduate should demonstrate satisfactory knowledge and understanding of

- Established basic, biomedical, clinical, epidemiological and behavioral sciences related conditions, problem and topics.
- The relation between practice in the specialty and the welfare of society.
- Up to date and recent developments in common problems related to the field of specialty.
- Ethical and medico legal principles relevant to practice in the specialty field.
- Quality assurance principles related to the good medical practice in the specialty field.
- Ethical and scientific basics of medical research.

Intellectual skills:

By the end of the program, the graduate should be able to demonstrate the following:

- Correlation of different relevant sciences in the problem solving and management of common diseases of the specialty.
- Problem solving skills based on data analysis and evaluation (even in the absence of some) for common clinical situations related to specialty.
- Demonstrating systematic approach in studying clinical themes or problems relevant to the specialty field.
- Making alternative decisions in different situations in the field of the specialty.

Clinical skills/Practical skills

By the end of the program, the graduate should be able to

- Provide practical and laboratory services that can help patient care, solve health problems and provide better understanding of the normal structure and function.
- Demonstrate practical and laboratory skills relevant to the specialty.
- Write and evaluate reports for situations related to the field of specialty.



General skills

By the end of the program, the graduate should acquire:

- ***Competency-based outcomes for Practice-based Learning and Improvement***
 - Demonstrate practice-based learning and improvement skills that involve investigation and evaluation of their own patient care, appraisal and assimilation of scientific evidence, improvements in patient care and risk management.
 - Use all information sources and technology to improve his practice.
 - Demonstrate skills of teaching and evaluating others.
- ***Competency-based objectives for Interpersonal and Communication Skills***
 - Demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and other health professionals.
- ***Competency-based objectives for Professionalism***
 - Demonstrate professionalism behaviors, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.
- ***Competency-based objectives for Systems-based Practice***
 - Demonstrate an awareness of and responsiveness to the larger context and system of health care and the ability to effectively use system resources to provide care that is of optimal value.
 - Demonstrate skills of effective time management.
 - Demonstrate skills of self and continuous learning.



Academic reference standards for Medical Doctorate in Basic Speciality

1- Graduate attributes for Medical Doctorate

The Graduate (after residence training and medical doctorate years of study) must:

- 1-** Demonstrate competency and mastery of basics, methods and tools of scientific research and clinical audit in the chosen field of medicine.
- 2-** Have continuous ability to add knowledge to the speciality through research and publication.
- 3-** Appraise and utilise relevant scientific knowledge to continuously update and improve practical skills.
- 4-** Acquire excellent level of medical knowledge in the basic biomedical, behavioural and clinical sciences, medical ethics and medical jurisprudence and apply such knowledge in patient care and scientific research.
- 5-** Function as a leader of a team to provide appropriate, effective and compassionate reaction when dealing with health problems related to the specialty.
- 6-** Identify and create solutions for health problems in his specialty.
- 7-** Acquire an in depth understanding of common areas of speciality, from basic clinical care to evidence based clinical application, and possession of required skills to manage independently all problems in these areas.



- 8-** Demonstrate leadership competencies including interpersonal and communication skills that ensure effective information exchange with individual patients and their families and teamwork with other health professions, the scientific community and the public.
- 9-** Function as teacher in relation to colleagues, medical students and other health professions.
- 10-** Master decision-making capabilities in different situations related to his field of practice.
- 11-** Show leadership responsiveness to the larger context of the related health care system, including the organisation, partnership with health care providers and managers, and resource allocations.
- 12-** Demonstrate in depth awareness of public health and health policy issues including independent ability to improve health care, and identify and carryout system-based improvement of care.
- 13-** Show model attitudes and professionalism.
- 14-** Demonstrate commitment for lifelong learning and maintenance of competence and ability for continuous medical education and learning in subsequent stages and in the speciality or one of its subspecialties.
- 15-** Use recent technologies to improve his practice in the speciality field.
- 16-** Share in updating and improving clinical practice in the speciality field.

2- Competency based Standards for Medical Doctorate

Knowledge and understanding

By the end of the program, the graduate should demonstrate satisfactory knowledge and understanding of

- Established, updated and evidence- based theories, basics and developments of specialty and relevant sciences.
- Basics, methods and ethics of medical research.
- Ethical and medico legal principles of medical practice related to specialty field.
- Principles and measurements of quality in the specialty field.
- Principles and efforts for maintenance and improvements of public health.

Intellectual skills

By the end of the program, the graduate should be able to demonstrate the following

- Application of basic and other relevant science to solve specialty related Problems.
- Problem solving based on available data.
- Involvement in research studies related to the specialty.
- Writing scientific papers.
- Risk evaluation in the related clinical practice.
- Planning for performance improvement in the specialty field.
- Creation and innovation in the specialty field.
- Evidence – based discussion.
- Decision-making in different situations related to the specialty fields.



Clinical skills/Practical skills

By the end of the program, the graduate should be able to

- ***Competency-based outcomes for Patient Care:***

- MD students must be able to provide extensive level of patient care that is compassionate, appropriate, and effective for the treatment of health problems and the promotion of health extensive level means in depth understanding and from basic science to evidence – based clinical application and possession of skills to manage independently all problems in his field of practice.
- Master patient care skills relevant to that speciality for patients with all diagnoses and procedures.
- Write and evaluate reports for situations related to the field of speciality.

General skills

By the end of the program, the graduate should be able to

- ***Competency-based outcomes for Practice-based Learning and Improvement***

- Master practice-based learning and improvement skills that involves investigation and evaluation and improvement of their own practice, appraisal and assimilation of scientific evidence and risk management
- Use competently all information sources and technology to improve his practice.
- Master skills of teaching and evaluating others.

- ***Competency-based objectives for Interpersonal and Communication Skills***

- Master interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, technicians and other health professionals.

- ***Competency-based objectives for Professionalism***

- Master Professionalism behavior, as manifested through a commitment to carrying out professional responsibilities, adherence to ethical principles, and sensitivity to a diverse patient population.

- ***Competency-based objectives for Systems-based Practice:***

- Demonstrate the ability to effectively use system resources to provide relevant services and care that is of optimal value.
- Participate in improvement of the education system.
- Demonstrate skills of leading scientific meetings including time management
- Demonstrate skills of self and continuous learning.



Transportation

- There is an international airport in Assiut where several Airlines and flights work on regular basis.
- Assiut is also linked with all cities and provinces of the Republic through a network of roads, water transportation and railways.
- Trains and buses travel from and to Assiut almost every hour for 24 hours.

Hotels:

- Assiutel
146, Nile Street
+20882322713
- Casa Blanca Hotel
Mohammed Tawfiq Khashaba St.
+20882332256
- Akhenaton Hotel
Mohammed Tawfiq Khashaba St.
+20882338181 / +20882337723
- El Watania Palace
El Watania Tower, Goumhoria St.
+20882287981 / +20882287983

Banks:

- CIB
Goumhoria St. 16668
- Cairo Bank
Goumhouria St. 0882319203
- HSBC
Next to university Mall 0882333853
- NSGB
Goumhoria St.
- National Bank of Egypt
University Mall / Banks Sq.
- Bank Misr
Banks Sq. 0882333717

Restaurants & Cafés

- Happy Dolphin
Nile Street
+20882297575
- Cook Window
Nile Street
+20882332610
- Cook Door
Azhar Sq.
16999
- Sunshine
El Watania Tower, Goumhoria Street
+20882314907
- K.F.C
Nile Street
19019
- Gelateria Roma
Abrag El Kadaa', Azhar Sq.
- Mo'men
Nile Street
16600
- Kiri Café
Nemis street
01156244433
- MacDonald's
Gomhoria street
19991
- Spectra restaurant
Gomhoria street
19491
- Arabiata restaurant
Azhar street
16919

- Piraeus
El Helaly St 0882284001
- Credit Agricole
Goumhoria St. 0882296003

