

Mansoura University, Faculty of Medicine



**MANSOURA
MANCHESTER**
Programme for medical education



List of elective courses (2022-2023)

Phase 2 courses – First term – Semester 7

Course no.	Name of the course	Code	Course Coordinator		Study during the course	
1	Endocrine & Pregnancy	MP-ELC-EP	Dr. Hanan Abdel-Hay	Lecturer of Endocrine Medicine	25% Online	75% in campus
<p>Pregnancy is a fascinating process with a new life as an endresult, but what`s the interrelation between pregnancy & body hormones? Does pregnancy affect physiological hormonal status? Is pregnancy a major player in different endocrine disorders? Are these patients need special pre-conceptional& conceptional care? If you wanna know, sure you need to join this course.....</p> <p><u>Intended learning outcomes (ILOs) of the course:</u></p> <ol style="list-style-type: none"> 1. To understand physiological effect of pregnancy on glucose metabolism. 2. To understand difference types of diabetes in pregnancy. 3. To recognize preconceptional care needed for women with pre-existing DM. 4. To aknowledge role of diet therapy in managing diabetes in pregnancy. 5. To participate in meal planning, know nutritional recommendation in patients with diabetes in pregnancy. 6. To understand effect of pregnancy on pituitary hormone. 7. To differentiate between management of prolactinoma in pregnant females & other situations 8. To recognize the effect of pregnancy on acromegalic patients & vice versa. 9. To understand the effect of pregnancy on thyroid hormones in physiological status, also role of healthy thyroid on pregnancy development & outcome 10. To be able to manage hypothyroidism & subclinical hypothyroidism in pregnancy 						

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Elective Courses & Scientific Research Committee

Mail: medman_ecrc@mans.edu.eg

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11. To recognize different situations of hyperthyroidism in pregnancy & to be able to manage them
12. To describe effect of pregnancy in calcium metabolism
13. To adopt special changes in parathyroid disorders in pregnancy.
14. To perform different dynamic tests needed in endocrine disorders & understand its modifications in pregnancy
15. To understand changes in adrenal secretion in pregnancy.
16. To be able to diagnose Cushing` syndrome in pregnancy& how to manage it.
17. To outline changes in management of other adrenal endocrine disorders.

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2	Immunological Diseases of the Eye	MP-ELC-IDE	Dr. Amgad El-Noqrashy	Lecturer of Ophthalmology	25% Online	75% in campus

An increasing number of patients lose their sight especially in the Middle East region due to diseases with an immune basis to their pathogenesis. Enrolled students will recognize the importance of collaboration between an ophthalmologist and an internist, a pediatrician or other physicians to help those patients. They will be able to recognize early signs, modes of treatment and complications of these diseases through direct contact with patients and a simple clinical research.

Intended learning outcomes (ILOs) of the course:

1. To identify basics of immunity & immune privilege of the eye.
 1. To recognize factors driving pathology in ocular immune/ inflammatory conditions.
 2. To describe normal ocular anatomy.
 3. To acquire skills for an accurate and complete ocular history.
 4. To examine the anterior segment of the eye.
 5. To determine the presence and absence of proptosis.
 6. To assess corneal clarity.
 7. To assess pupil size, shape and regularity.
 8. To identify the important signs that require referral to and from an ophthalmologist.
 9. To differentiate causes of diminution of vision in common immunological disorders of the eye.
 10. To identify the signs and symptoms of common immunological disorders of the eye.
 11. To understand the general principles of treatment of common immunological disorders of the eye.
 12. Identify Benefits and complications of treatment of common immunological diseases of the eye.

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3	Assisted reproductive techniques (ART)	MP-ELC-ART	Prof. Maged Elshamy	Professor of Obstetrics & Gynaecology	50 % online	50% in campus

Subfertility is a major health problem. It affects about 1/7 of married couples. In the past few years, major advances were introduced in the field of management of subfertile couples. This course will offer basic information about subfertility management and will demonstrate different assisted reproductive techniques (ART). The main concern will be focused on IVF/ICSI procedure and how to improve the outcome of ART during management of subfertile females.

Intended learning outcomes (ILOs) of the course: In this course, the students will be able to:

1. Understand and demonstrate appropriate knowledge, related to female reproductive endocrinology.
2. Understand basic workup for subfertility.
3. Patient selection for assisted reproduction.
4. Understand the different techniques of assisted reproductive technology.
5. Understand basics of pituitary down-regulation.
6. Identify female who are at increased risk of complications due to ART.
7. Define factors affecting the outcome of ART.
8. To know how oocytes are retrieved and how embryos are transferred during IVF.
9. Describe oocyte & embryo grading in IVF lab.

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4	Infection Prevention & Patient Safety Measures	MP-ELC-IPPSM	Dr. Dalia Moemen	Professor of Microbiology	60% Online	40% in campus

Infection is one of the most important occupational hazards facing health care workers. With the emergence of multi-resistant superbugs and world wide pandemic, infection control becomes a hot topic in clinical practice. As it becomes more difficult to treat infection, it is more important to prevent it from the start. Infection control practices aimed to keep both health care workers and patients safe.

Intended learning outcomes (ILOs) of the course:

1. To understand hospital acquired infections.
2. To recognize antibiotic therapy policy.
3. To understand waste disposal policy.
4. To outline phlebotomy policy.
5. To recognize disinfection policy
6. To describe infection control in the ICU.
7. To outline infection control measures of serious diseases
8. To understand the isolation policies.
9. To outline immunization programs for health care workers.
10. To collect appropriate samples according to the body site infection.
11. To apply clinical and microbiological parameters for identification of hospital acquired infections.

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5	Pediatric Orthopaedic Surgery	MP-ELC- POS	Prof. Mazen Abulsaad	Professor of Orthopedics	30% Online	70% in campus

Pediatric orthopedics is an important subspeciality as it deals with children and with disorders which are common in practice. Emphasis in this course will be focused on principles, on learning how to think about pediatric orthopedics, and how to do the everyday things well. We will not cover pediatric fractures because it is covered with general orthopedics.

Intended learning outcomes (ILOs) of the course:

At the end of this course, student should be able to:

1. List etiology, pathology & clinical features of pediatric orthopaedic disorders.
2. Identify surgical principles related to pediatric orthopaedic health and disease.
3. Describe relevant medical and surgical treatment indicated for musculoskeletal and neurological surgeries.
4. Interpret information from anatomical, physiological and biomechanical knowledge to recognize the pediatric orthopaedic clinical case.
5. Develop appropriate diagnosis using clinical reasoning to identify impairments, activity limitations, participation restrictions and environmental factors.
6. Analyse information about a given pediatric orthopaedic patient through reviewing the provided surgical approaches and operative records to predict prognosis.
7. Interpret data about pediatric orthopaedic surgery using information technology and appropriate techniques.
8. Justify surgical procedures appropriate for different conditions.

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6	Phoniatic disorders (Communication and swallowing disorders)	MP- ELC-PD	Prof. Tamer Abulsaad	Professor of Phoniatrics	15% Online	85% in campus

Welcome to Phoniatrics elective course!

The aim of this course is letting you gain familiarity with Phoniatrics, a specialty in clinical Medicine that deals with communication (voice, speech, language) and swallowing disorders.

Whatever your speciality will be later on, you might face a child or an adult patient with these disorders e.g. a child will delayed Language development, stuttering, articulation errors, feeding problems, stroke patient with aspiration, etc.

This course will cover the different communication and swallowing disorders with clinical applications important in every day clinical practice.

Intended learning outcomes (ILOs) of the course:

1. Identify different types of voice disorders with special emphasis on differentiating non-organic voice disorders that are frequently encountered in medical practice.
2. Understand the principles of assessment of voice disorders.
3. Outline the principles of therapeutic management of voice disorders.
4. Recognize the clinical categories of speech disorders that are frequently encountered in medical practice.
5. Outline the principles of intervention programs of speech disorders.
6. Identify the clinical categories of language disorders.
7. Understand the normal language development in children, its pre-requisites and causes of the delay.
8. Recognize the etiological groups of delayed language development that are frequently encountered in medical practice.

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9. Know the principles of the assessment protocol applied for the child presented with delayed language development.
10. Outline the general principles of the intervention program for the child presented with delayed language development.
11. Identify the etiology, types, diagnosis and general principles of intervention program of dysphasia.
12. Identify the etiology, diagnosis and principles of therapeutic management of feeding and swallowing disorders in children and adults.

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7	Reproduction & Infertility	MP-ELC-RI	Prof. Maher Shams	Professor of Obstetric & Gynecology	75% online	25% in campus

This course include an overview about reproduction in human.
 Physiology, normal and abnormal puberty, menopause, and polycystic ovarian syndrome. Infertility including male and female infertility, basic investigations, an approach to male and female infertility including how to diagnose and treat.
 Practical training attending investigations and treatment modalities like laparoscopy and hysteroscopy.
 Orintation and attending the new modalities of treatment like IVF and ICSI in IVF center fertility care unit Mansoura. Orintation of different steps in IVF and orintation of IVF lab and cryopreservation and other update of mangment the course include basic, advanced and clinical practice.

Intended learning outcomes (ILOs) of the course: In this course the students will be able to:

1. Recognize physiology of reproducton.
2. Discuss the main developmental changes in menopause.
3. Recognize various causes of polycystic ovarian syndrome.
4. Discuss various causes of infertility, including the primary and secondary infertility.
5. Recognize an overview about in vitro fertilization (IVF) and IVF lab.
6. Choose the appropriate investigations to assess cases of infertility, including the male investigations and female investigations.
7. Describe indications and contraindications of reproductive surgery.
8. Discuss updates in fertility management.

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8	Rheumatic Diseases in Childhood	MP-ELC-RDC	Dr. Samar Tharwat	Ass. Prof. of Rheumatology & Immunology	40% Online	60% in campus

Paediatric rheumatic diseases is an umbrella term including a large spectrum of musculoskeletal and autoimmune connective tissue diseases that occur in children (below age of 18 years). Although paediatric rheumatic diseases have many similar symptoms, like joint pain, swelling, redness and warmth, they are distinct. So, we need to investigate the actual situations and find the problems.

This course is conducted by a group of rheumatologists. It offers a deep view of all aspects related to rheumatic and musculoskeletal diseases in children and the differential diagnosis with other pediatric disorders.

Intended learning outcomes (ILOs) of the course:

1. To adopt an approach to investigations and management of paediatric rheumatic diseases.
2. To adopt an approach to acute emergencies in rheumatic diseases in pediatric patients.
3. To learn common conditions in pediatric rheumatology and other rare diseases seen by specialists.

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