The Cycle of Life in the hospital: From Birth to the elderly patient

Course Coordinator: Prof. Ron Maymon

Credit – 3 credits

Course Description
Students will learn about human development during the cycle of life throughout their exposure to the various medical fields in the hospital.
The students will join and shadow their mentors in their work as well as being involved in patient doctor dialogue.
In addition, the students will be trained by Magen David Adom to provide Pre Hospital Trauma Life Support (PHTLS), as well as become the Magen David Adom ambulance volunteers in the afternoons.

Course Objectives
1. Gaining knowledge about the cycle of life from the hospital perspective, focusing on each stage from birth to the elderly patient. Exposure to the various fields of medicine. Students will be exposed on the theoretical level to different situations and problems that characterize patients at different stages of the disease. This approach will include the workup for the proper diagnosis, the appropriate treatment modality, the recovery or rehabilitation and finally, the discharge or transfer to another department/facility.
2. Learning about medical ethical issues arising during the treatment of patients in the clinical practice.
3. Exposure to a multidisciplinary team approach.
4. Implementation of theoretical knowledge and practical modalities.

Topics
1. Emergency medicine
2. Obstetric Gynecology (doctors and midwives)
3. Newborn department and intensive care
4. Pediatric medicine
5. Internal medicine and geriatrics
6. Nephrology and dialysis
7. Oncology
8. Cardiology
9. Surgery and anesthesiology
10. Orthopedics
11. Diagnostic imaging and X-rays
12. Gastroenterology
13. Infectious diseases
14. Hyperbaric therapy
15. Physiotherapy
16. Social aspects of medicine
17. Nursing school

Course Requirements and Grading System:
1. Mandatory participation in at least 80% of classes: 10%
2. Successfully passing First Aid Training Course by Magen David Adom: 40%
3. Final Project on the topics or experiences during the course: 50%

Final Project:
The students will be requested to summarize 2 cases from different departments that influenced them the most.

The project must include the following for each case:
- Detailed case report describing the patient's complaint, history, and current problem.
- Workup, diagnosis, differential diagnosis, and treatment modalities.
- The major problem must be discussed including different theoretical aspects of the disease.
- A short literature review and references.
- Diagrams, figures and photos to illustrate the case.
4. The grades will be finalized according to a meeting with the Course Director for feedback and comment during the course.
Required Reading


www.heart.org/HEARTORG/CPRAndECC/HealthcareProviders/BasicLifeSupportBLS/BLS-for-Prehospital-Providers_UCM_459708_Article.jsp