Organ System Diseases (OSD) – FOM2
FM – 211
Updated Mar 2021

Organ System Diseases (OSD) is a second-year course that extends over 7 months and consists of 9 organ system blocks: Respiratory, Cardiovascular, Renal, Endocrine, Skin, Musculoskeletal, GI, Female and Male Reproduction. Each system covers pathophysiology, pathology, pharmacology, infectious diseases and oncology in an integrated manner. The course focuses on the most common diseases and those that best illuminate basic principles. Clinical management will be presented to illustrate the importance of basic principles. The course utilizes a variety of teaching formats including large group lectures, flipped classroom sessions, independent learning modules, case conferences, smaller group conferences, laboratories, simulation exercises, and case-based learning exercises; all emphasize thoughtful analysis and synthesis of information and its clinical application.

After the completion of the OSD course, the MS2 will be able to:

- Demonstrate how major classes of human diseases result in abnormal structure (pathology) and function (pathophysiology) of organ systems (Physician as a Scientist)
- Describe the signs and symptoms produced by the major classes of abnormal organ system function (Physician as a Scientist and Clinical Problem Solver)
- Describe general and specific medical pharmacology and the general treatment of major classes of human diseases (Physician as a Scientist and Clinical Problem Solver)
- Describe the basic epidemiology and social determinants of health for the major classes of human disease (Physician as a Scientist, Physician as Advocate, Clinical Problem Solver, ADD)
- Interpret and relate diagnostic tests to major classes of human disease (Physician as a Scientist and Clinical Problem Solver)
- Describe the major disorders affecting the pediatric age group, with emphasis on congenital, genetic and acquired disorders (Physician as a Clinical Problem Solver)
- Describe the major effects of normal aging on organ systems, and common clinical conditions that most often affect the elderly (Physician as a Clinical Problem Solver)
- Acquire and utilize information from various sources in the analysis and formulation of clinical cases (Physician as a Clinical Problem Solver and Communicator)

Student competency is determined primarily by different modalities of assessments delivered through and end of the course.

Course co-leaders
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