

2200 Frontiers in Medicine

Course: Conception, Obstetrics and Child Health **Course Number:** FIM-2206

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Period Offered (Block 8 or Block 10): Block 8

Max # of Students: 35

Are books required for this course? No

Overview of Course: (Details of what a typical week in this course entails)

Conception, Obstetrics and Child Health (COACH) is a branch of Frontiers in Medicine designed to explore the forefront of research and technology in the specialties of Obstetrics and Pediatrics. Students are introduced to the latest technologies in prenatal genetic testing, postnatal genetic diagnosis, and molecularly targeted therapies. A wide range of topics are reviewed, from conception to childhood, with discussions in transgender care, technology in medicine and surgery, ethical implications, and life with genetic disorders such as Down Syndrome. Since this course is designed for post-clerkship students, there are more interactive learning experiences such as role-play, problem-based learning, and panel discussions. Time is scheduled each week for independent study and group work, culminating in a capstone project – a new research study in pregnant women or children.

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Objective Name:	Objective Description:	Educational Program Objective(s): i.e. EPO 2.01, EPO 2.02 Select from list in link
2206-01 Research protocol	Work in small groups to design a research protocol for a study involving pregnant women and/or children, and explain the resources that will be used.	3.02 Work effectively in teams, including interprofessional teams. 5.02 Apply the ability to access and critically read, understand, and interpret medical literature, and assess its relevance to patient care. 5.03 Complete a scholarly activity, recognize knowledge gaps, and demonstrate self-directed learning to address such gaps for the purpose of furthering medical knowledge and improving patient outcomes.
2206-02 Genetics & ethics	Learn about available options for genetic testing, their associated ethical implications, and molecularly targeted therapies.	2.02 Interpret and apply results of the patient history, physical exam, diagnostic tests, imaging, screening procedures, and epidemiological data. 4.02 Incorporate ethical standards in their interactions with patients and colleagues and appropriately manage conflicts in order to uphold patient and public trust. 5.02 Apply the ability to access and critically read, understand, and interpret medical literature, and assess its relevance to patient care.
2206-03 COACH knowledge	Explore a wide range of topics encompassing the areas of conception, placental development, fetal therapy, periviability, preterm birth, neonatal resuscitation, and child development.	2.01 Apply knowledge of normal human structure and function and of the pathophysiology that underlies their disruption. 2.02 Interpret and apply results of the patient history, physical exam, diagnostic tests, imaging, screening procedures, and epidemiological data. 2.03 Apply knowledge of the social, behavioral, and economic factors that influence health to patient care.
2206-04 COACH areas of interest	Discuss other areas of interest, including transgender care, technology in medicine and surgery, ethics, and life with genetic disorders such as Down Syndrome.	6.04 Provide health care with cultural humility and an appreciation for the needs of diverse patient populations, whether based on age, appearance, ethnicity, culture, disability, economic status, gender, or sexual orientation.

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Methods of Instruction:

- A. Didactics
- B. Clinical
- C. Simulations
- D. Group Discussions/Student Presentations
- E. Other (please specify)

Method of evaluation of students and requirements: Evaluation based on assessment methods listed above, grade is Pass/Fail