



Universidad
de Navarra

Maternal-Fetal Medicine (F. Medicina)

Guía docente 2023-24

PRESENTACIÓN

Maternal Fetal Medicine

Faculty:

Prof. Dr. Byron Calhoun, West Virginia University

Degree: Medicine

Years and semesters: 5th and 6th year. First semester.

Dates:

29 de enero al 3 de febrero, ambos incluidos

Lunes a viernes de 19 a 21 horas.

Sábado 3 de 9 a 14 horas

Total 15 horas

Room: 4A02

Exam: to be announced.

ECTS credits: 2 ECTS

Type of subject: Elective

Requirements: Completion of the Obstetrics and Gynecology compulsory subject.

Module and subject to which this subject belongs in the curriculum: Module III: Human clinical training. Medical and surgical pathology. Obstetrics and Gynecology.

Department: Obstetrics and Gynecology

- Language: English

COMPETENCIAS

PROGRAMA

Program and Schedule of classes

- Fetus as a Patient
- Prenatal genetic screening:



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- o Historical evolution of chromosomopathy screening.
- o Common Screening techniques.
- o New techniques: MICROARRAYS and noninvasive test in maternal blood. Preimplantation diagnosis.

- Maternal mortality
- Trauma in Obstetrics
- Iterative cesarean section and risk of uterine rupture

- Managing the challenges: the role of the maternal fetal specialist.
- Pathologies and Fetal Therapies
 - o Maternal and fetal analgesia and anesthesia
 - o Fetoscopy
 - o Fetal surgery
 - o The EXIT technique (ex-utero intrapartum therapy)
 - o Neurological pathology
 - o Pathology of skull, face and neck
 - o Pulmonary and thoracic pathology
 - o Cardiovascular pathology

- Pathologies and Fetal Therapies
 - o Gastrointestinal and abdominal wall pathology
 - o Nephrourological and genital pathology
 - o Musculoskeletal pathology
 - o Malformative syndromes and genetics
 - o Infectious pathology
 - o Hematological pathology
 - o Endocrinological pathologies and metabolism



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o Fetal tumors

- Pathology and therapy in Neonatology
- Pediatric surgery concepts related to congenital defects
- Perinatal Hospice

Tuesday 6 February 24, 16:00 – 17:00 (1 hour)

- Final Exam: Multiple Choice Test.

ACTIVIDADES FORMATIVAS

EVALUACIÓN

Assessment

- First call
 - o Multiple Choice Exam: 40%
 - o Structured report: 50%
 - o Class participation: 30%. Special attention will be given to those interventions that demonstrate adequate reasoning or knowledge, or those questions made in a correct and timely manner.
- Second call
 - o Multiple Choice Exam: 60%
 - o Structured report: 40%

HORARIOS DE ATENCIÓN

Prof. Dr. Byron Calhoun

- calhounbc@earthlink.net.

BIBLIOGRAFÍA

Bibliography and other audiovisual material

- Creasy & Resnik's Maternal-Fetal Medicine text (Saunders, 7th edition). [Find it in the Library](#)
- Peter W. Callen's Ultrasonography in Obstetrics and Gynecology" (Saunders,



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6th Edition). [Find it in the Library](#)