

Pediatric Medical Genetics

PE 235.99

General Information

COURSE CHAIR: Pedro Sanchez, MD

STUDENT COORDINATOR: Calvin Lee

PHONE: 310-423-4780 (option 1) or 310-423-8455

E-MAIL: Calvin.Lee2@cshs.org

STUDENTS / PERIOD: max 1

DURATION: 3 weeks

Electives at Cedars-Sinai start in May. Please visit our [VSAS](#) catalog for dates and to submit your application.

Description

The student will obtain a broad exposure to the clinical aspects of medical genetics, especially in regard to the diagnosis of genetic disease, dysmorphology, genetic counseling, prenatal diagnosis, treatment of genetic disease. Work up inpatient genetic consultations; see patients in genetic clinic. Exposure to different clinics can be tailored to student's needs and interests.

Course Objectives

1. Counseling techniques and the approach to the patient and family with hereditary diseases
2. Historical, physical, and laboratory evaluation of the patient with possible genetic disease, including patients with congenital anomalies, dysmorphic features, and mental retardation
3. Prenatal diagnosis, including amniocentesis and chorionic villus sampling and discussion of risk factors and teratogenesis
4. Laboratory techniques in genetics
5. Non-invasive prenatal techniques in genetics
6. Understanding of genetic diagnostic testing
7. Integration of genetics into other subspecialties: Neurogenetics, cardiogenetics

Student Experiences

COMMON PROBLEMS/DISEASES

- Chromosomal microarray analysis
- Whole exome sequencing
- Syndrome identification/Dysmorphic
- Genetic counseling
- Congenital anomalies
- Prenatal diagnosis
- Carrier detection/screening
- Cardiovascular genetics

INPATIENT: 10%

PRIMARY CARE: 90%

CONSULTATION: 100%

CLOSE CONTACT WITH

- Full-Time Faculty
 - Clinical Faculty
 - Fellows
- Other: Genetic Counselors



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Typical Schedule

Approx. # of Patients Evaluated/Week by Student	8
Approx. # of Patients Eval/Each Week by Service	31
Typical Monday	8:00 am - 11:00 am - Genetics Training Program Lecture Series 1:00 pm - 2:00 pm - Chart Review for Tuesday Medical Genetics Clinics 3:30 pm - 4:30 pm - Prenatal Case Review Conference
Typical Tuesday	8:00 am - 2:00 pm - Medical Genetics Clinic 2:00 pm – 3:00 PM case conference 3:00pm - 4:00pm- Plagiocephaly Clinic
Typical Wednesday	8:00 am - 2:00 pm - Medical Genetics Clinic
Typical Thursday	8:00 am - 2:00 pm - Medical Genetics Clinic
Typical Friday	8:00am- 12:00pm - OCC Friday Results Clinic
On-Call Schedule	NONE
Weekend Activities	NONE
Additional Comments/Special Requirements	NONE