

CLINICAL GENETICS

Credit: Selective B or Elective

Location: LAC+USC Medical Center

Revised: 1/6/2009

Applications will be accepted on a first-come, first-serve basis

DIRECTOR:

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COURSE OBJECTIVES:

Students will be able to:

1. Complete a genetic intake including a family pedigree.
2. Obtain skills to perform genetic physical examination and recognize major and minor anomalies.
3. Select and interpret appropriate laboratory tests for diagnosis of genetic disorders.
4. Understand the mechanism of chromosome disorders and become familiar with common chromosome disorders.
5. Understand the principles of Mendelian and non-Mendelian inheritance in genetic disorders, and know representative examples.
6. Learn the concept of multifactorial disorders and their contribution to congenital malformations and chronic adult diseases.
7. Calculate risk of genetic disorders using the Hardy-Weinberg Law and Bayesian analysis.
8. Understand the molecular basis of certain genetic disorders and methods of testing.
9. Learn how to access useful genetics websites to be able to obtain up-dated information.
10. Recognize psychological aspects of genetic disorders and participate in genetic counseling.

REPORT TO: Contact preceptor

PREREQUISITE: Medicine I Clerkship/MS IV

DURATION: 4 weeks

DATES OFFERED: All Year

Rotations scheduled: to begin any Monday

NUMBER OF STUDENTS: 2

VISITING STUDENTS: Yes

SUPERVISION:

100% Faculty

DESCRIPTION:

Under close supervision by the staff and residents of the service, patients are evaluated in the admitting area and walk-in clinic. Experience is gained in diagnosis, treatment and disposition of many genetic conditions. The student is expected to attend Monday and Wednesday morning clinics and is also expected to participate in departmental and divisional conferences and seminars. Daily schedule is flexible and to be arranged with preceptor. There is no fixed weekly schedule besides the two half-day outpatient clinics, but students are expected to be available during working hours.

EVALUATION:

Students will be informed of expectations and methods of evaluation during the orientation. Students will be evaluated on their performance by the preceptor. Students will receive feedback on their performance on the last day of rotation.

***Selective Attendance and Illness Policy**

In order to insure adequate clinical exposure, no more than 3 days of excused absences (to include official Holidays) can be accepted during a selective. This policy does not imply that absences are guaranteed; absences may be excused at the discretion of the faculty. Absence due to illness must be reported to the faculty or his/her designee as soon as possible. In case of extended absence (2 days or more), a note from a physician (who is not a relative) is required and the absence will be reported to the Office of Student Affairs. A physician note may be requested for any absence, at the discretion of the faculty.

Students will generally be required to make up days before a passing grade can be assigned. All absences must be excused and any planned absence must be registered with the preceptor prior to the first day of the selective. Students should take vacation time if he/she anticipates a need for more than 3 absences during a selective. USMLE and BLS/ACLS will not be considered excused absences.