

## **Clinical Rotations Sample Goals**

### **Sample Goals for Prenatal Genetics Clinical Rotation**

- 1) I will work toward independently counseling patients regarding advanced maternal age, abnormal maternal serum screen results, and common ultrasound anomalies.
- 2) I will become familiar with referral resources for common pregnancy concerns, pre-and perinatal loss/grief, termination, pregnancies with birth defects regarding delivery planning and postnatal care.
- 3) I will create counseling outlines for advanced maternal age, abnormal maternal serum screen, family history of a genetic disorder, teratogen exposure, high risk ethnic background, and consanguinity.
- 4) I will observe a second trimester ultrasound, an amniocentesis, and a chorionic villus sampling.
- 5) I will participate in multiprofessional care team meetings for known ultrasound anomalies and summarize relevant genetic issues in each session.
- 6) I will be able to summarize the risks, benefits, and limitations of prenatal diagnosis and PGD.

### **Sample Goals for Cancer Genetics Clinical Rotation:**

- 1) I will demonstrate proficiency in obtaining three-generation pedigrees and medical histories, with a focus on cancer diagnoses.
- 2) I will develop skills in chart review, review of medical records, understanding pathology reports to confirm the reported cancers and demonstrate the ability to summarize relevant medical information.
- 3) I will be able to counsel individuals regarding predisposition testing, with a focus on the psychosocial support for personal and family issues surrounding such testing.
- 4) I will create counseling outlines for known cancer syndromes and moderate risk cancer families.
- 5) I will develop summary letters for families and/or referring physicians for specific cancer syndromes.
- 6) I will become familiar with referral resources for individuals and families who are undergoing treatment for cancer.
- 7) I will be able to articulate screening recommendations for cancer syndromes and differentiate when it is appropriate to be directive regarding those screening recommendations.
- 8) I will gain experience in the assessment of current cancer genetics literature and will summarize their findings for patients and health care providers.
- 9) I will be able to describe indeterminate results to patients and health care providers.
- 10) I will be able to utilize risk assessment software and other resources for individual risk assessment.

### **Sample Goals for Pediatric/Adult Genetics Clinical Rotation**

- 1) I will develop skills in chart review and review of medical records; and demonstrate the ability to summarize relevant information.

- 2) I will demonstrate proficiency in obtaining three-generation pedigrees, pregnancy histories, medical histories, and developmental histories.
- 3) I will observe physical examinations/dysmorphology examinations and become familiar with the description of major and minor physical variations/malformations.
- 4) I will become familiar with the diagnostic evaluation process for children/adults with developmental delay and gain an understanding of testing ordered in the clinic setting.
- 5) After attending Metabolic Clinic, I will become familiar with the dietary management and psychosocial aspects of metabolic disorders.
- 6) I will be able to identify aspects of child development and key points in the developmental evaluation.

### **Sample Goals for Research/Laboratory Clinical Rotation**

- 1) I will become familiar with genetic testing strategies, both with respect to understanding and counseling regarding the appropriate testing candidate in a particular family as well as understanding the sequence of laboratory testing and arranging for testing and follow-up testing as appropriate.
- 2) I will be able to explore potential research opportunities for patients and define if they are eligible for them.
- 3) I will understand the role of billing, insurance, reimbursement, and the potential for insurance discrimination in genetic testing.
- 4) I will be able to describe mutation naming, classification, and current challenges in the arena of laboratory counseling.

### **General Sample Goals for a Rotation**

- 1) I will be able to evaluate patient understanding and reaction to genetic information.
- 2) I will be able to elicit patient concerns and expectations of the evaluation and communicate such concerns to the genetics team.
- 3) I will be able to recognize and discuss methods of coping and adjustment.
- 4) I will explain DNA testing and chromosome analysis in a clear, thoughtful and understandable style.
- 5) I will be able to prepare chart notes and letters (for insurance pre-authorization and coverage).
- 6) I will identify resources in the literature for case preparation.
- 7) I will be able to list differential diagnoses after chart review/prep.
- 8) I will become proficient at assessing and explaining the modes of inheritance and the recurrence risks.
- 9) I will recognize key components of a diagnostic genetics evaluation and genetic testing for developmental delay, single gene disorders, multifactorial conditions, mitochondrial disorders.
- 10) I will understand the ethical, legal and psychosocial issues that are important in this clinic setting.

11) I will identify non-genetic issues such as health disparities, cultural, and ethnic differences that can influence the genetic counseling evaluation.

12) I will discuss difficulties and challenges facing adults with a certain syndrome.

13) I will communicate the differences between inherited, familial and sporadic disease.

14) I will identify resources for patients in each clinical area

### **Sample Goals for Beginner Students**

1) I will be able to state and describe accurate inheritance patterns for diagnoses in an easy-to-understand manner.

2) I will be able to list the etiology, symptoms, and prognosis for the major genetic conditions in clinic.

3) I will be able to interpret a pedigree to identify a family at high risk for a diagnosis.

### **Sample Goals for Intermediate Students**

1) I will be able to interpret the family history and ask appropriate questions based on the indication.

2) I will be able to translate information presented in scientific articles into language understood by the client.

3) I will be able to determine, from available data, the most appropriate follow up plan for a case.

### **Sample Goals for Advanced Students**

1) I will be able to consolidate data from a client's family history and from the blood test results to identify what information is important to communicate.

2) I will integrate and convey information from several sources that is important for a particular client.

3) I will assess client's likely reaction to my proposed counseling plan and modify as needed.

4) I will assess the extent to which clients understand the information presented in a session.