

LEARNING OBJECTIVES: Reproductive Genetics Elective

Overarching Goals	Elective objectives: By the end of the rotation, students will be expected to:	Where/how taught (location or learning activity)	Taught by	How student's achievement of objective is assessed (assessment method)	How feedback is given (feedback method)
1, 2	Describe patterns of inheritance <ul style="list-style-type: none"> • Mendelian modes (eg. Autosomal dominant, autosomal recessive, X-linked) • Non-Mendelian modes (Polygenic, mitochondrial, and imprinting i). 	Reproductive medical genetics clinic	Dr. Lena Sweeney	Direct observation	Oral and written
1, 2, 3, 4, 6, 7, 9	Counsel patients regarding indications, interpretations, and limitations of genetic testing.	Reproductive medical genetics clinic, Maternal-fetal medicine clinic	MFM faculty members & genetics counselors	Direct observation	Oral and written
1, 2, 3, 4, 6, 7, 9	Explain options for prenatal genetic screening and diagnostic testing (e.g., NIPT, amniocentesis, CVS).	Reproductive medical genetics clinic, Maternal-fetal medicine clinic	MFM faculty members & genetics counselors	Direct observation	Oral and written
1, 2, 3, 4, 5, 6, 7, 9	Counsel patients on ethical implications of genetic testing, including reproductive decision-making and incidental findings.	Reproductive medical genetics clinic, Maternal-fetal medicine clinic	MFM faculty members & genetics counselors	Direct observation	Oral and written
1, 2, 3, 4, 9	Correlate ultrasound findings with genetic test results to refine differential diagnoses.	Reproductive medical genetics clinic, Maternal-fetal medicine clinic	MFM faculty members	Direct observation	Oral and written

(See attachment: Tips on Writing Clear Learning Objectives)

YSM Overarching Goals: <https://medicine.yale.edu/md-program/curriculum/competencies-requirements/competencies/>

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