Title: The RASopathies: Genetics Syndromes of the Ras/MAPK Pathway

Objectives:

1) Understand that the Ras/mitogen-activated protein kinase (MAPK) pathway plays a vital role in development and is activated by extracellular input in the form of growth factors. The Ras/MAPK pathway has been well-studied in cancer.

2) Understand that the RASopathies are a clinically defined group of medical genetics syndromes that are caused by germline mutations in genes that encode components, or regulators of the Ras/MAPK pathway.

3) Understand that the RASopathies are one of the largest recognizable pattern of malformation syndromes known, affecting approximately 1 in 1,000 individuals.

Accreditation:
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