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Mimics of acute leukemia in the pediatric population

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Abstract

Diagnosing acute leukemia in the pediatric population can be challenging, as there are several benign entities that may mimic acute leukemia. It is imperative for the practicing Pathologist to be familiar with these entities, and understand appropriate laboratory testing to distinguish benign from malignant. This talk will focus on 7 mimics, spanning B-lymphoblastic, T-lymphoblastic, and acute myeloid leukemia, that are commonly encountered in a general pediatric hospital. An emphasis will be placed on morphology and flow cytometric immunophenotyping, with brief discussions of molecular and other laboratory testing as appropriate.

Biography

Sunita Park has completed her MD from Vanderbilt University in Nashville, TN, and her residency in Anatomic and Clinical Pathology from Emory University in Atlanta, GA. She has also completed a fellowship in Hematopathology at Emory University, and now practices exclusively pediatric hematopathology at Children's Healthcare of Atlanta, USA. She established the Hematopathology service in 2007, and is now is the Director of the Clinical Flow Cytometry Laboratory as well as Hematology.