Auer Rods

Auer rods are azurophilic granular needles consisting of the enzyme myeloperoxidase. They are seen in leukemic blast cells and are virtually diagnostic of AML.



PLAY PICMONIC

Azurophilic granular needles in leukemic blasts
Purple Arizona with Grain Needles in Leukemia-Luke's Blasting-cell
Auer rods stain purple and are present in leukemic blast cells.

Disseminated Intravascular Coagulation (DIC)
Dice
Release of Auer rods can cause DIC (disseminate intravascular coagulation), a pathological activation of coagulation mechanisms.

Acute Myelogenous Leukemia (AML)
American Monkey Legion (AML)
Auer rods are seen in AML and their presence is virtually diagnostic of AML.

All-trans Retinoic Acid (Vitamin A)
All-train with red-tins of Acidic-lemons (Viking-Apple)
This is used in the treatment of AML and allows leukemic blasts to mature and differentiate further.

Sign up for FREE at picmonic.com