

## Chief Complaint (CC)

53-year-old woman who presented with severe fatigue and bruising of several weeks' duration.

## History of Present Illness (HPI)

- No significant prior medical or surgical history
- Pancytopenia with circulating blasts at presentation
- Bone marrow evaluation included:
  - Aspirate smears and clot preparation
  - Trepine biopsy and touch preparations
  - Flow cytometry
  - Cytogenetics
  - Molecular diagnostics

## Diagnosis

- Acute myeloid leukemia
- Presence of Auer rods is pathognomonic of myeloid neoplasia or a myeloid malignancy
  - In this case, the number of blasts exceeds 20%, indicating a diagnosis of AML

