

Chief Complaint (CC)**Date: November 2015**

72-year-old male presents to hematologist/oncologist with macrocytosis and mild pancytopenia.

History of Present Illness (HPI)

- Currently being followed for prostate cancer
- Received radiotherapy, 6 months of leuprolide injections, and finasteride
- Mild pancytopenia observed by urologist and sent for consult

Test Results Observed by Hematologist

- Bone marrow showed 25% blast; changes consistent with MDS
- Cytogenetics showed normal male karyotype
- IDH2 mutation on next-generation sequencing analysis
- Significant anemia, modest leukopenia, platelet count 150,000
- 25% blasts in marrow, hemoglobin 8.4, white count 3,000, platelets 150,000