



Case of the Quarter: Q1 2015

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I: Clinical History

The patient is a 79 year old male who was previously diagnosed with low-grade myelodysplastic syndrome due to the presence of cytopenias (anemia and thrombocytopenia), dyserythropoiesis, and dysmegakaryopoiesis. He presented to the ED with fever, cough, fatigue, and intermittent nausea for the last two weeks. At the ED he was found to have worsening thrombocytopenia and anemia in the setting of fevers and hypotension.

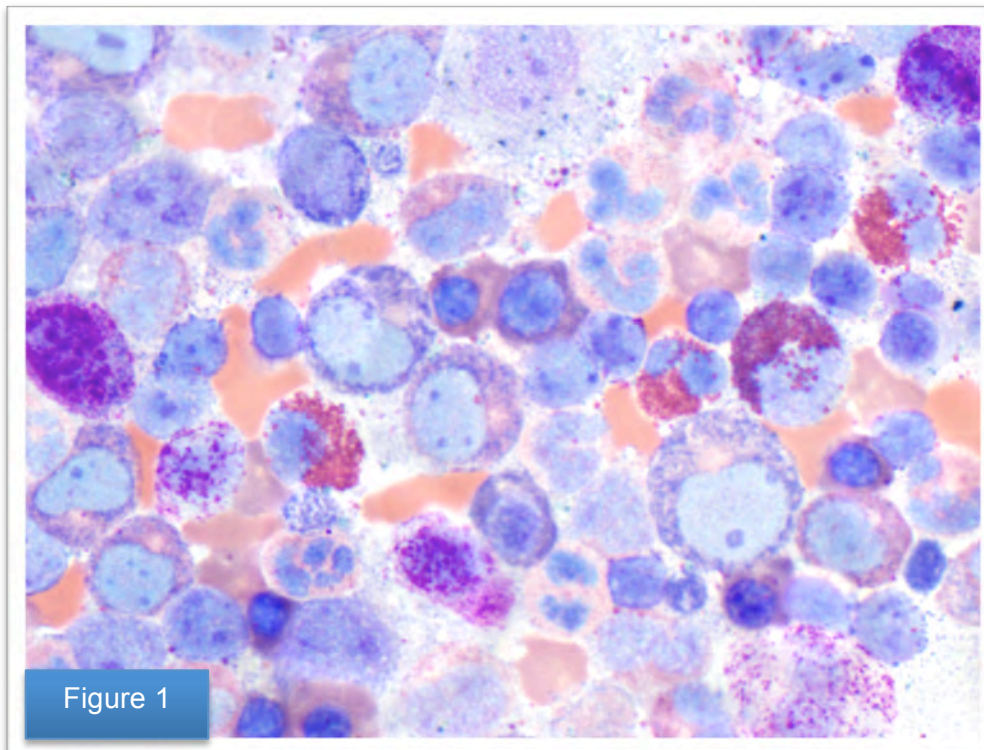
CBC: WBC 6.4 K/mm³, HGB 6.5 gm/dL, HCT 19.9%, PLT 14 K/mm³

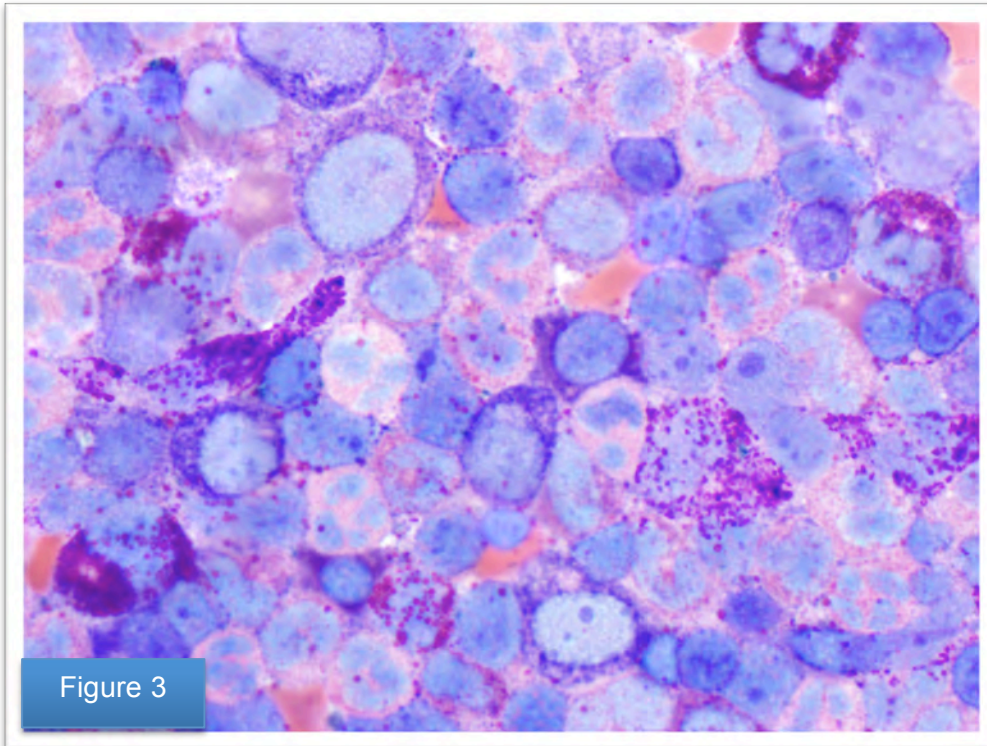
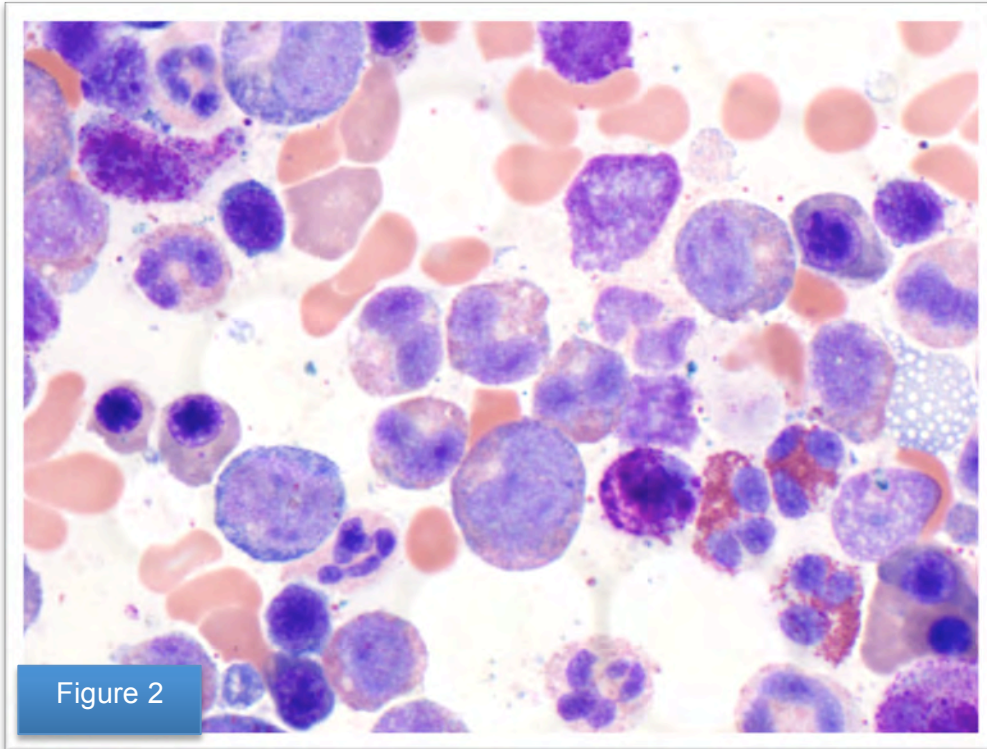
II: Gross Findings:

Received 2 aspirate smears, 1.9 cm bone marrow biopsy, and clot section.

III: Microscopic Findings:

Aspirate smears: (Wright stain, 1000x)





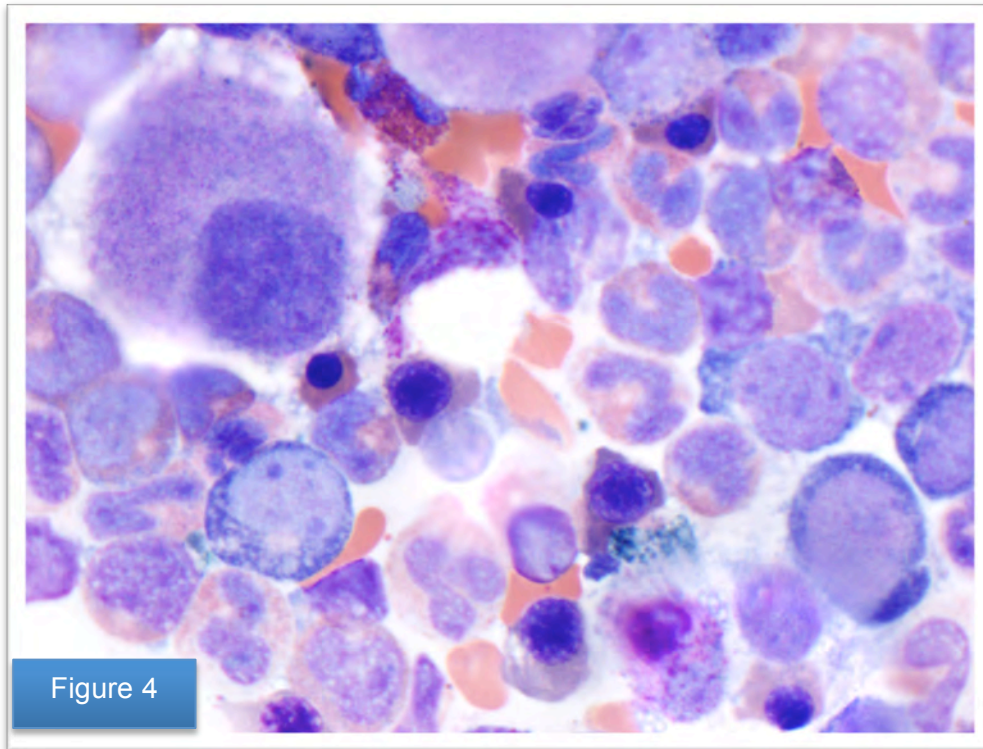


Figure 4

Biopsy: (H&E, 400x)

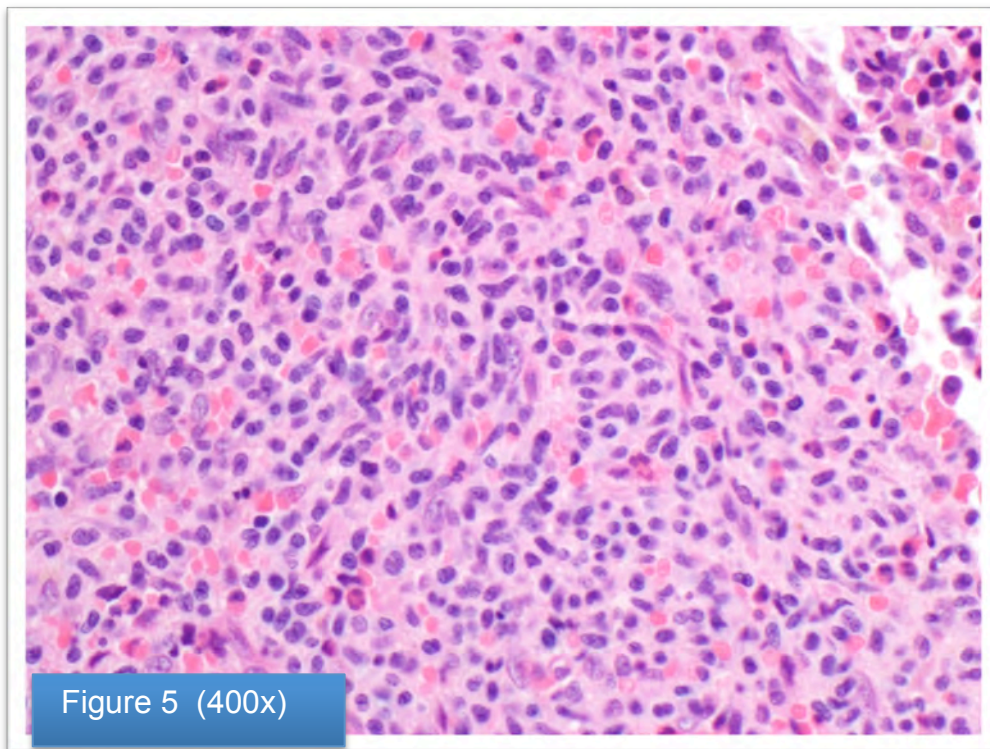
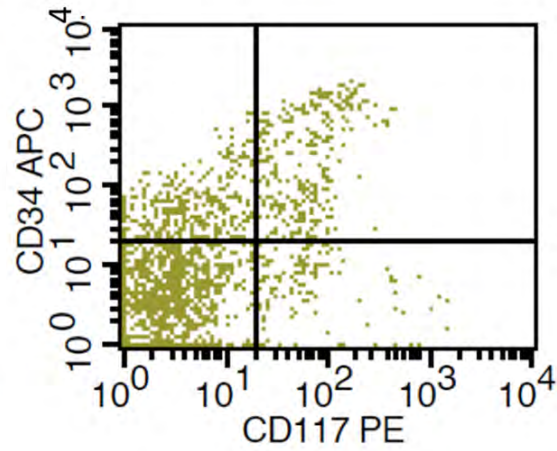
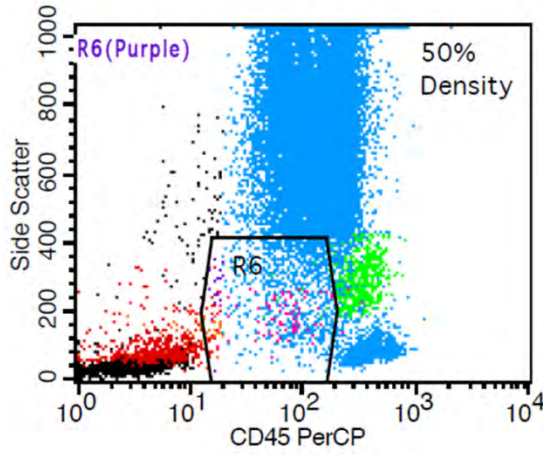


Figure 5 (400x)



IV. Flow Findings



Quad	Events	% Gated	% Total
UL	316	19.05	0.63
UR	277	16.70	0.55
LL	938	56.54	1.88
LR	128	7.72	0.26

V: Immunohistochemistry

Will be provided in the answer.