

## *Staphylococcus aureus* Sepsis in a Patient with Secondary Acute Myelogenous Leukemia

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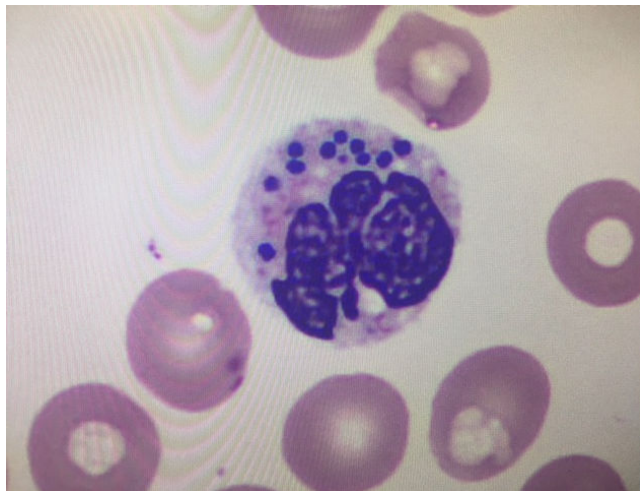
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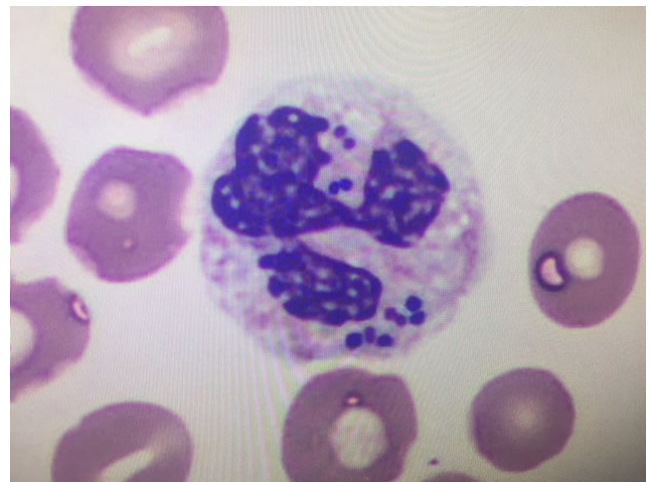
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### Clinical Image

We present a case of a 72 year-old female with a history of secondary Acute Myelogenous Leukemia (AML), in the setting of a preceding Myelodysplastic Syndrome (MDS) who developed acute chills, myalgias, and sinus tachycardia following a platelet transfusion given pre-central line placement. As part of the work up for the acute symptoms, a platelet bag residual fluid gram stain was performed and it showed gram positive cocci. Several hours later, the blood smear revealed intracellular bacteria (Figures 1 and 2). Blood cultures grew *Staphylococcus aureus* approximately eight hours after the platelet transfusion was complete. Intravenous antibiotics were initiated promptly.



**Figure 1:** Acute symptoms, a platelet bag residual fluid gram stain was performed and it showed gram positive cocci.



**Figure 2:** Several hours later, the blood smear revealed intracellular bacteria.

### Conflict of Interests

There are no relevant conflicts of interests.