Case 47: Blood Smear from a Cat

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Background

Signalment
• 2-year-old FS DSH cat

History
• Weight loss
• Lethargy
• In-door/Out-door

Physical Examination
• Dehydration
• Pale mucus membranes
• Grade II/VI murmur
• Dull mentation
• Muscle atrophy
• Respiratory excursions
Laboratory Results

FeLV/FIV SNAP Test
• Negative

Serum Chemistry Panel
• Stress
• Inflammation
• Cholestasis
• Tissue injury

Complete Blood Count
• HCT = 17.1%
• WBC = 5,302 /µL
  • 3,499 neutrophils/µL
  • 1,750 lymphocytes/µL
  • 53 monocytes/µL
• PLT = 97,000 /µL
Blood Smear
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Hematologic Interpretation

• Moderate nonregenerative anemia
  • Decreased production
  • Microangiopathy
  • Inappropriate metarubricytosis
• Inflammation
• Moderate thrombocytopenia
  • Decreased production
  • Increased consumption (DIC)
• *Histoplasma capsulatum*
Bone Marrow Aspirate
Histoplasma capsulatum

Photo: CDC
References


Questions?