

Gastric mass aspirate from a young cat

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Signalment: domestic shorthair, male, young (probably 1 or 2 years old)

History: Unknown history. The cat was found hit by a car. The cat was very thin, dirty and had a poor hair coat.

Clinical findings: The cat mainly presented neurological signs probably of traumatic origin (anisocoria, stupor, seizure) and several wounds in the facial region. There was a palpable mass in the cranial abdomen. An ultrasound examination was performed to rule out thoracic and abdominal bleeding. During ultrasound analysis the mass revealed a solid texture with no cavitation or fluid accumulation. The mass was grossly spherical and involved the gastric wall, with disruption of gastric wall layers. An ultrasound-guided fine needle biopsy of the mass was performed. The cytologic sample was stained with Diff Quick stain (Fig. 1, 2, 3, 4, 5, 6, 7).

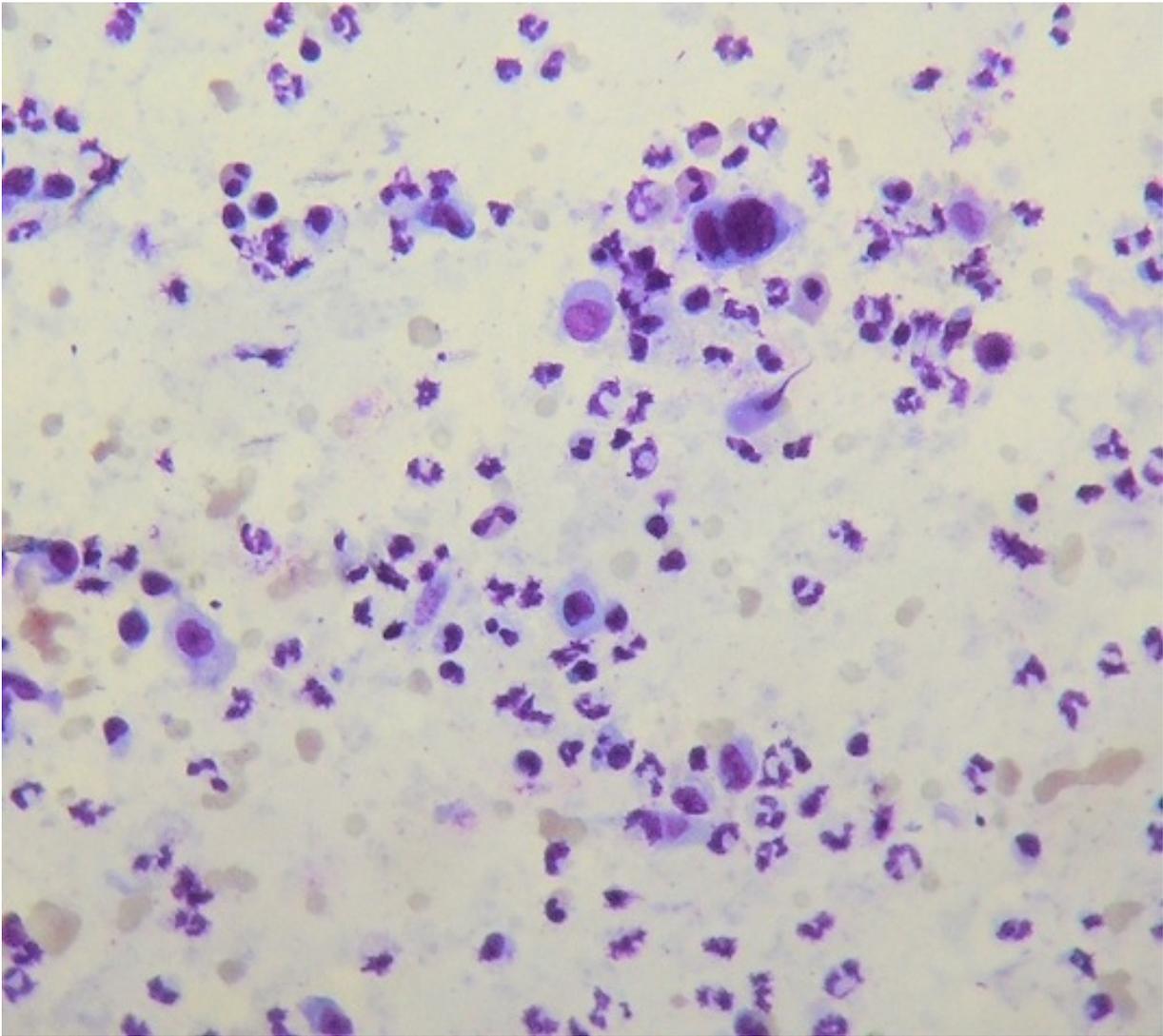


Fig. 1 Overall microscopic appearance of cytologic sample from the gastric mass. Diff Quick stain, 10x

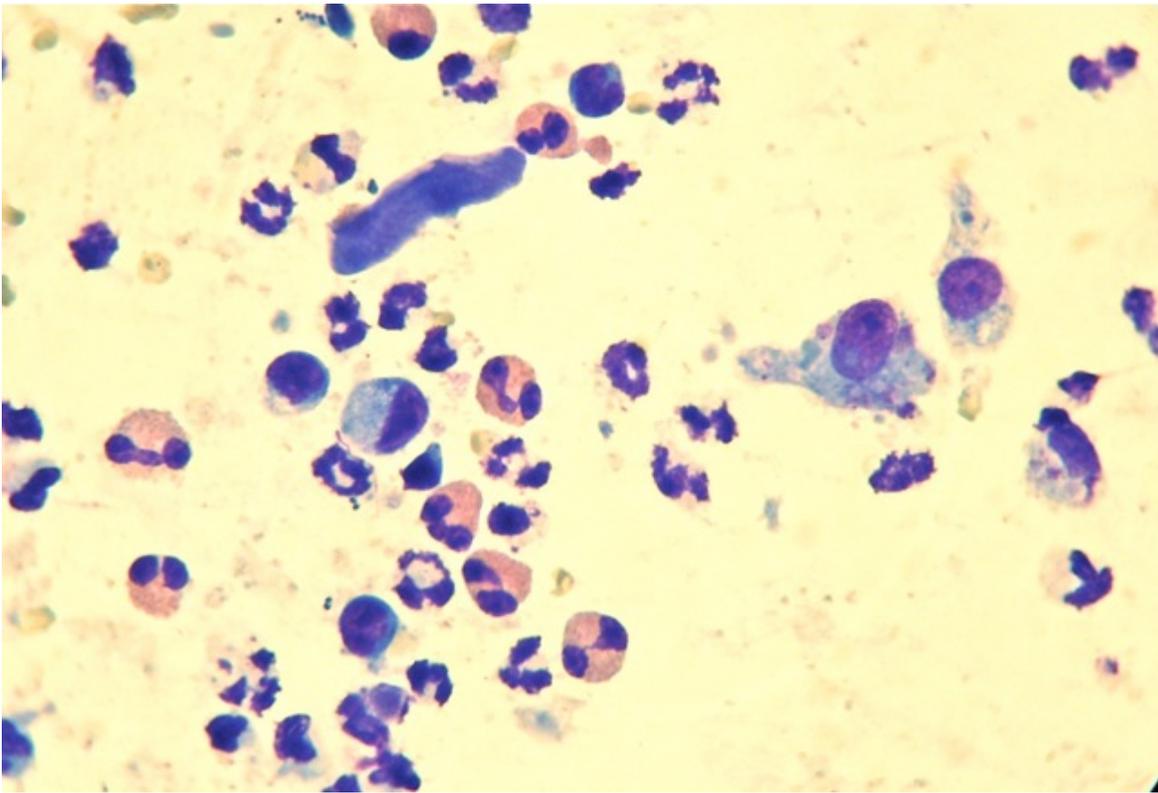


Fig. 2 Overall microscopic appearance of citologic sample from the gastric mass. Diff Quick stain, 400x

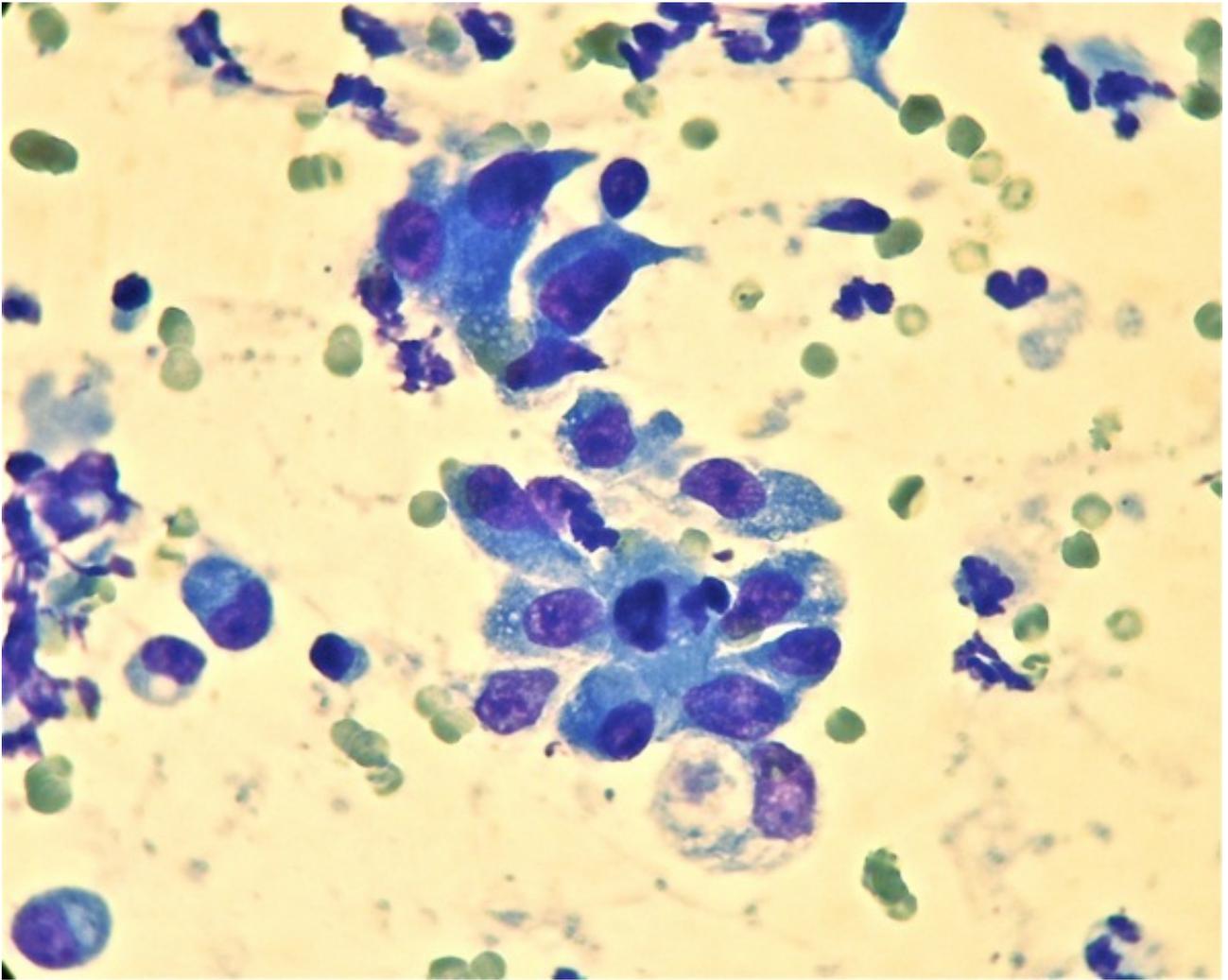


Fig. 3. Cytologic features of the fine needle biopsy from the gastric mass. Diff Quick stain, 400x

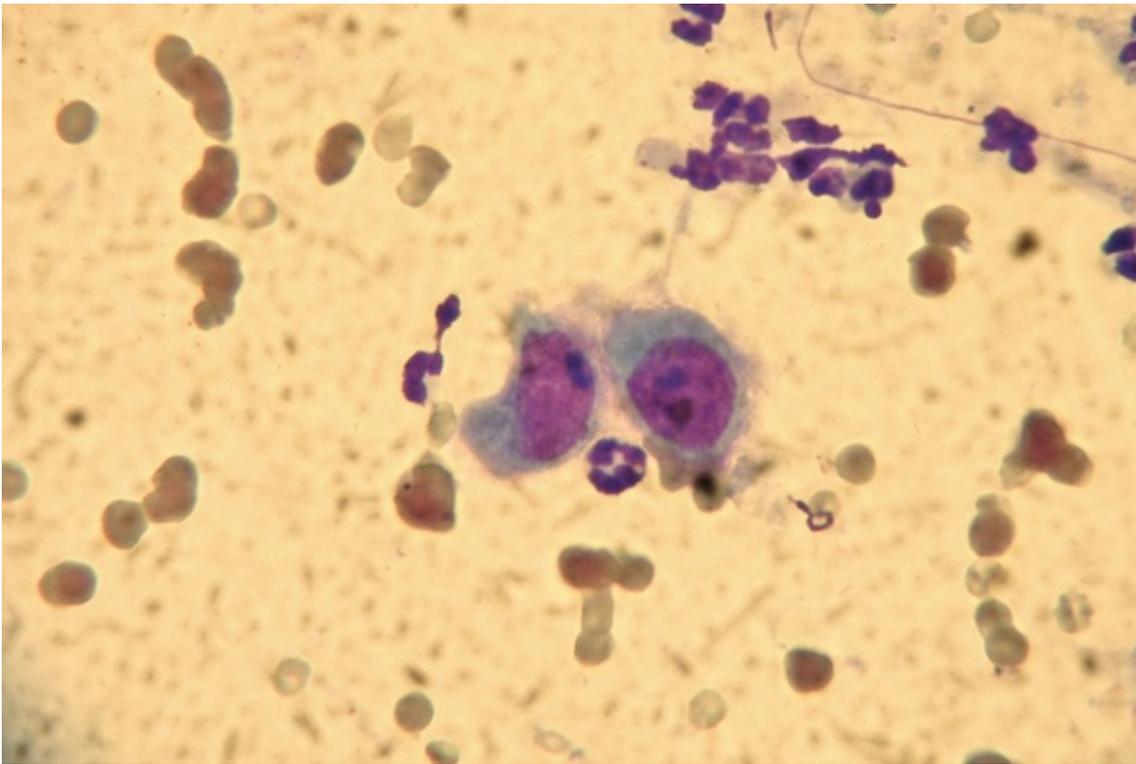


Fig. 4 Cytologic features of the fine needle biopsy from the gastric mass (HPF)

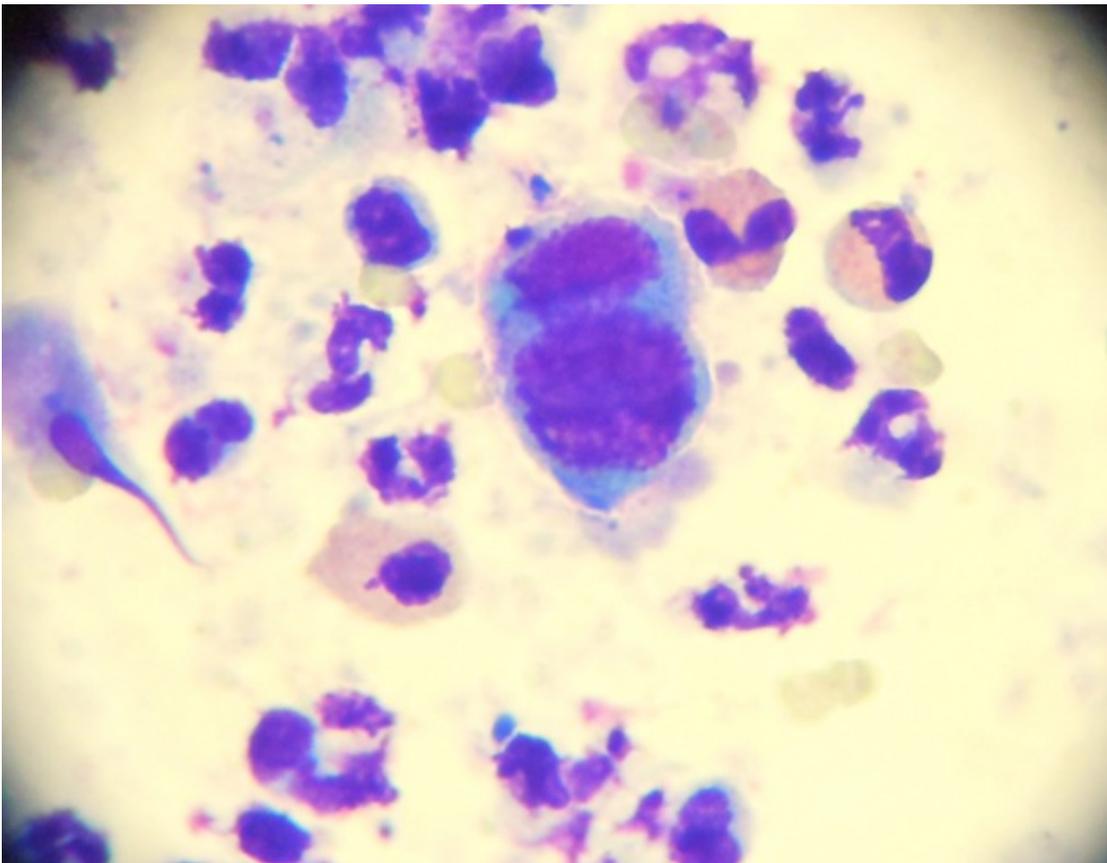


Fig. 5 Cytologic features of the fine needle biopsy from the gastric mass (HPF)

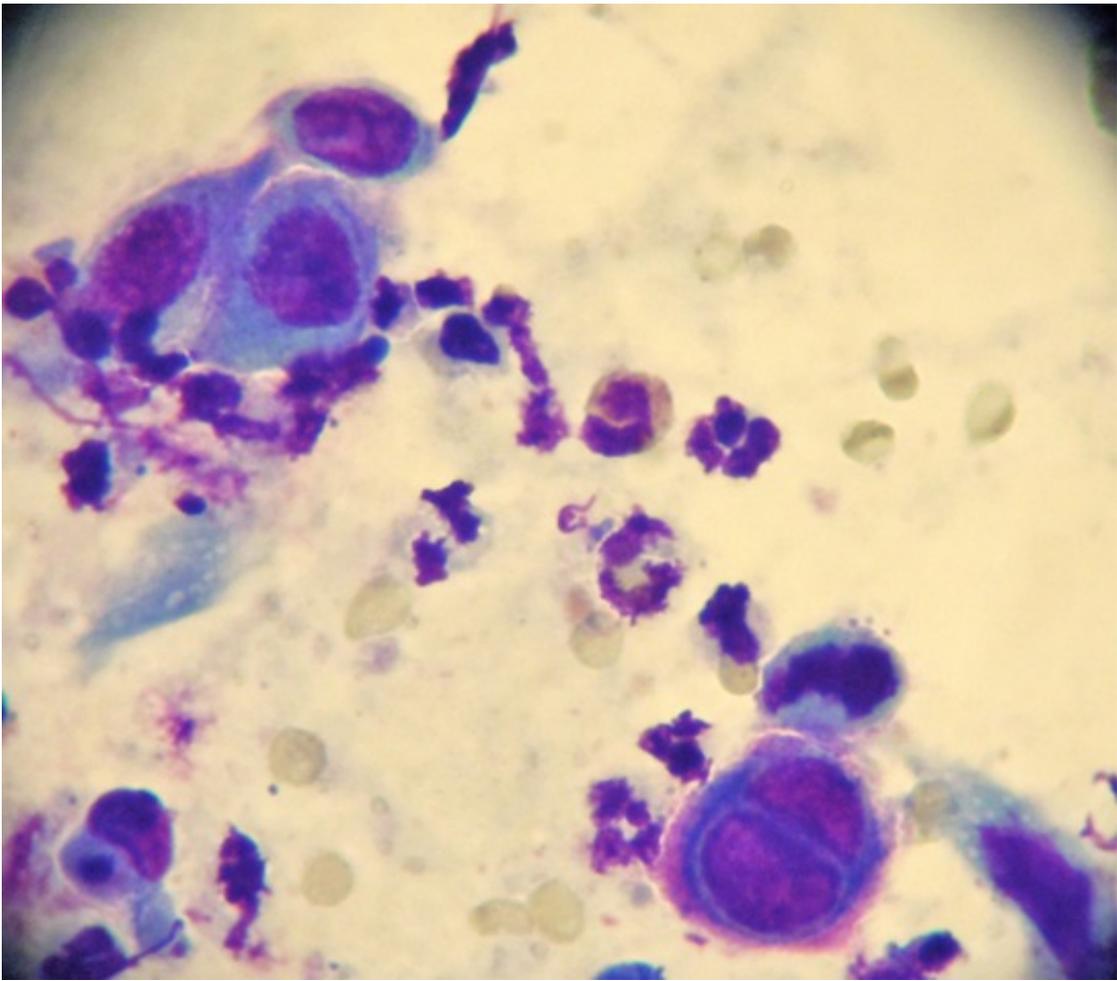


Fig. 6 Cytologic features of the fine needle biopsy from the gastric mass (HPF)

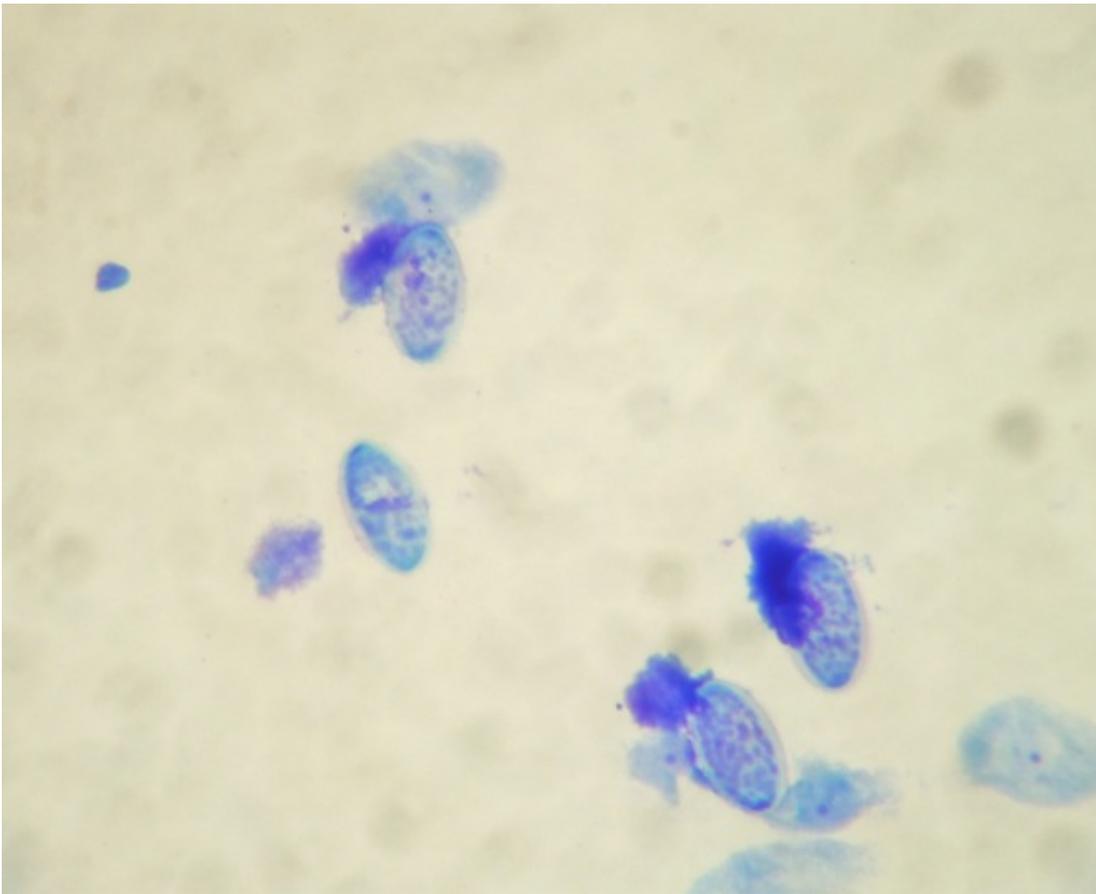


Fig. 7 Cytologic features of the fine needle biopsy from the gastric mass (HPF)

Because of clinically worsening and refractory seizures, the cat was euthanatized as requested by the volunteers of the animal rescue association that were taking care of him. Hematologic and biochemical tests were not performed. A complete necropsy was denied but the single nodule excision was permitted instead. A smooth spherical lesion was obtained (Fig. 8).



Fig. 8. Gastric mass from a young cat. View of the mucosal surface.

Tasks

Make the most specific diagnosis possible.