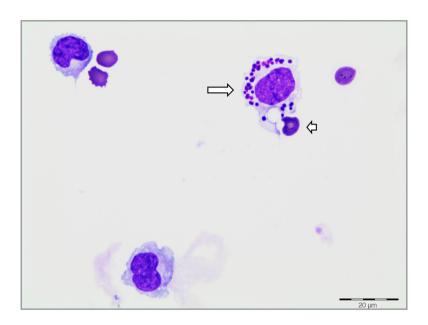
A Macrophage at Work

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In this image a macrophage in cerebrospinal fluid (CSF) is caught doing what it does best; cleansing the environment of objects that don't belong. The patient, a 6-month-old girl, initially presented with choking and feeding difficulty. Brain MRI revealed a large tumour in the right posterior fossa, originating from the inferior aspect of the right cerebellar hemisphere. She underwent surgery to remove the tumour a few days before the CSF was sampled. Histologic examination confirmed the diagnosis of Atypical Teratoid Rhabdoid Tumor.

The macrophage is seen stretching its pseudopods—like a well-trained athlete reaching out to make a catch—to grab a red blood cell (RBC) (short arrow). Particles of digested debris from other RBCs are noted within its cytoplasm (long arrow)—evidence

that this phagocytic act had been performed several times before. Macrophages, via chemotaxis, play a significant role in cleansing surgical sites by removing debris and organisms.

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