

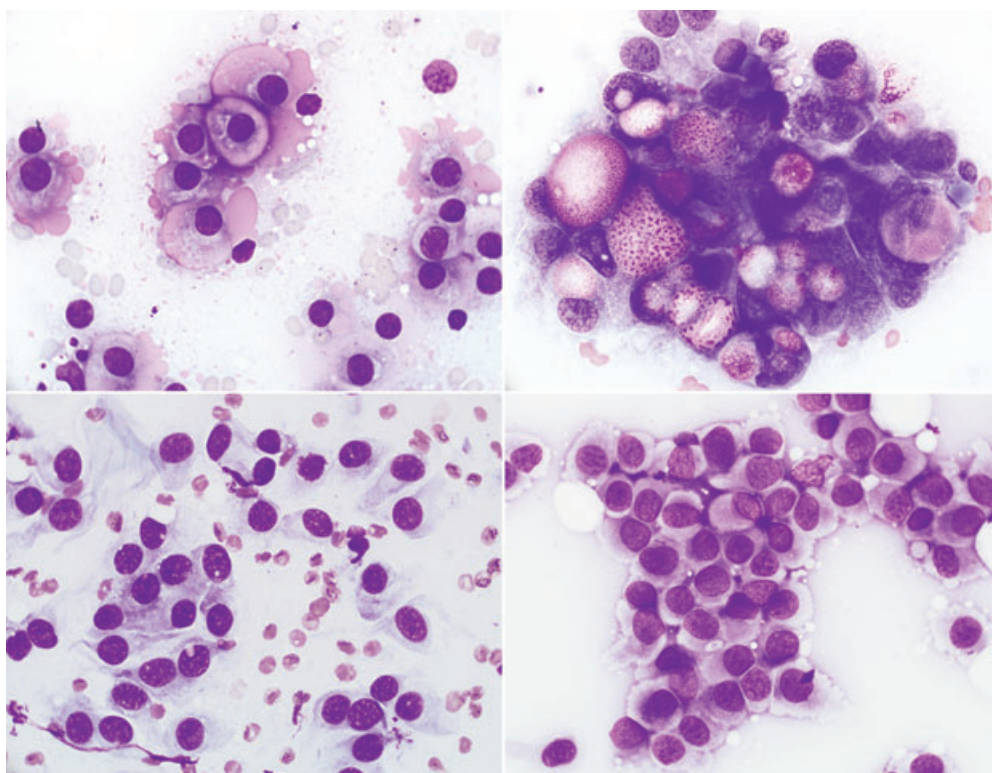
LABORATORY MEDICINE

YESTERDAY · TODAY · TOMORROW

Flames, rings, veils, and eggs...the many faces of cytoplasm

Contributed by Aradhana Gupta and Stephen Gaunt
Louisiana State University

Some neoplastic cells have a distinctive cytoplasmic appearance that aids in their identification.....



(Upper left) Canine plasma cell neoplasm with 'flaming' cells. Wright-Giemsa, $\times 100$ objective. **(Upper right)** Canine prostatic transitional cell carcinoma with intracytoplasmic inclusions containing bright pink secretory material and sometimes compressing the nucleus so that the cell resembles a 'signet ring' cell. Wright-Giemsa, $\times 100$ objective. **(Lower left)** Canine hemangiopericytoma or peripheral nerve sheath tumor in which the cells have a 'veil-like' appearance. Diff-Quik, $\times 100$ objective. **(Lower right)** Canine dermal histiocytoma composed of cells with a 'fried egg' appearance. Diff-Quik, $\times 100$ objective.

Dr. Gupta is now at Kansas State University.

Please contact Karen Young (youngk@vetmed.wisc.edu) if you have historical or other notes of interest you would like to contribute to this feature. Items will be published at the discretion of the editors. © 2012 American Society for Veterinary Clinical Pathology