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

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

(Upper left) Canine plasma cell neoplasm with ‘flaming’ cells. Wright-Giemsa, ×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, ×100 objective. (Lower left) Canine hemangio-pericytoma or peripheral nerve sheath tumor in which the cells have a ‘veil-like’ appearance. Diff-Quik, ×100 objective. (Lower right) Canine dermal histiocytoma composed of cells with a ‘fried egg’ appearance. Diff-Quik, ×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