

Mammary Gland Adenocarcinoma in a Mandrill

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A case of mammary gland adenocarcinoma is reported in a 22-year-old female Mandril (*Mandrillus sphinx*). The veterinarian noted a fast growing mass, which was inflamed and perforated, involving both mammary gland during the last 4 months. Supplement antibiotic and chemotherpay were unsuccessful and the monkey was found dead. On necropsy, both right and left mannary gland were replaced by firm, tan, perforating neoplastic mass. On sectioning, multiple areas of necrosis and hemorrhage were noted. Histologically the neoplastic mass consisted of anaplastic tumor cells that form glandular structure and show extensive invasive growth pattern. Tumor emboli were noted in the blood vessels as well as lymphatics. Numerous metastatic foci were noted in the lung. Lymphatic sinsues were filled with tumor cells. Immunohistochemically, the tumor cells were strongly positive for cytokeratin.

Based on the gross findings and histopathology, the tumor was diagnosed as malignant mammary gland tumor with metastasis to regional lymph nodes and lung.