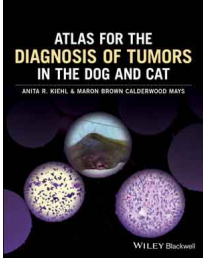


**ATLAS FOR THE DIAGNOSIS OF TUMORS IN THE DOG AND CAT**

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**DESCRIPTION:**

Atlas for the Diagnosis of Tumors in the Dog and Cat is a diagnostic tool for determining if samples are abnormal and defining the cause of the abnormality, with 386 clinical images depicting normal and abnormal results.

- Offers a brief overview of the methods used to produce a diagnosis and prognosis from a biopsy tissue sample
- Pairs photographs of biopsy samples with photomicrographs of cells obtained via fine needle aspirate
- Includes a useful chapter covering sample handling, staining, and shipping

**CONTENTS:**

**Part I Overview of the Diagnostic Process**

**1 Overview of Grading and Staging**

Identification of the process

Identification of tumor types

Grading

Staging

Staging versus clinical behavior

Epithelial tumors

2 Mesenchymal tumors

Round cell tumors

Melanoma

Conclusion

References

**Part II Case Studies**

**2 Selected Lesions of the Head and Neck**

Bone tumors of the head

Osteoma

Osteosarcoma

Mass lesions of the ear canal

Aural polyp

Ceruminous adenoma

Ceruminous carcinoma

Mass lesions of the external ear pinna

Histiocytoma

Squamous cell carcinoma

Mass lesions of the conjunctiva and nictitans

Papilloma

Squamous cell carcinoma

Hemangiosarcoma

Melanoma

Eyelid masses

Meibomian gland adenoma

Spindle cell tumor

Lesions of the oral and nasal mucosal epithelium

Eosinophilic inflammation

Lymphoplasmacellular inflammation

Lymphosarcoma

Epulis

Acanthomatous epulis

Ossifying epulis

Viral papilloma

Squamous cell carcinoma  
Melanoma  
Nasal cavity tumors  
Adenocarcinoma  
Chondrosarcoma  
Mass lesions of the canine and feline muzzle skin  
Sebaceous gland nodular hyperplasia  
Sebaceous gland adenoma  
Sebaceous epithelioma  
Trichoblastoma (Basal cell tumor)  
Mast cell tumor  
Plasma cell tumor  
Mass lesions of the submandibular region  
Reactive lymph node  
Malignant lymphoma  
Normal salivary gland  
Salivary mucocele  
Salivary gland carcinoma  
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Thyroid adenoma  
Thyroid carcinoma  
Parathyroid adenoma  
Additional reading

### **3 Selected Lesions of the Limbs, Paws, and Digits**

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Periosteal hyperplasia  
Osteosarcoma  
Subungual tu  
Squamous cell carcinoma  
Digital skin and nail bed lesions  
Calcinosis circumscripta  
Plasmacellular pododermatitis  
Papilloma  
Fibroaxillary hyperplasia  
Stromal tumors of the limb  
Canine low-grade spindle cell tumor  
Feline spindle cell tumor  
Lipoma  
Liposarcoma  
Synovial sarcoma  
Additional reading

### **4 Selected Genital and Perineal Masses**

Perineal masses  
Rectal polyp  
Perianal gland adenoma  
Perianal gland carcinoma  
Anal sac apocrine gland carcinoma  
Masses of the external genitalia  
Transmissible venereal tumor  
Mast cell tumor  
Additional reading

### **5 Selected Lesions of the Skin and Subcutis of the Trunk**

Mass lesions of the dorsal trunk  
Calcinosis cutis  
Follicular cyst  
Cystic adnexal tumors\_trichoepithelioma, keratoacanthoma  
Apocrine adenoma  
Apocrine and sebaceous carcinoma  
Sebaceous carcinoma  
Lipoma  
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Canine spindle cell tumor, mid grade  
Canine spindle cell tumor, high grade  
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Canine cutaneous lymphoma  
Mast cell tumor  
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Histiocytosis  
Dorsal tail head masses  
Pilomatricoma  
Melanoma

Sebaceous adenoma  
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Ventral trunk vascular lesions of the skin and subcutis  
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Mass lesions of the mammary gland  
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Additional reading

#### **6 Selected Lesions of the Thoracic Viscera**

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Hemangiosarcoma  
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Pulmonary mass lesions  
Pulmonary carcinoma  
Pulmonary hemangiosarcoma  
Pulmonary adenomatosis  
Mediastinal tumors  
Mediastinal malignant lymphoma  
Thymoma  
Additional reading

#### **7 Selected Lesions of the Abdominal Viscera**

Diseases that result in liver enlargement  
Vacuolar hepatopathy  
Bile duct hyperplasia  
Hepatocellular neoplasia  
Bile duct carcinoma  
Hepatic hemangiosarcoma  
Gastrointestinal lesions  
Eosinophilic inflammatory bowel disease  
Lymphoplasmacellular inflammatory bowel disease  
Gastrointestinal malignant lymphoma  
Gastrointestinal adenocarcinoma  
Gastrointestinal spindle cell tumor  
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Pyogranulomatous inflammatory disease suggestive of feline infectious peritonitis  
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Renal malignant lymphoma  
Urinary bladder cystitis with reactive epithelial hyperplasia  
Urinary bladder polyp  
Transitional cell carcinoma  
Splenomegaly and splenic masses  
Extramedullary hematopoiesis  
Lymphoid nodular hyperplasia  
Malignant lymphoma  
Mast cell tumor  
Splenic torsion  
Splenic hematoma  
Splenic hemangiosarcoma  
Splenic histiocytic sarcoma  
Splenic malignant fibrous histiocytoma  
Additional reading

#### **8 Sample Handling**

Cytologic specimens  
Biopsy specimens  
Histology processing, glass slide production, and routine staining  
Additional reading