

1. Record Nr.	UNINA9910583358103321
Autore	Knottenbelt Derek C.
Titolo	Clinical equine oncology // Derek C. Knottenbelt, Janet C. Patterson-Kane, Katie L. Snalune
Pubbl/distr/stampa	Edinburgh, [Scotland] : , : Elsevier, , 2015 ©2015
ISBN	0-7020-4268-4
Descrizione fisica	1 online resource (715 p.)
Disciplina	636.10896994
Soggetti	Oncology Tumors Cancer - Treatment Neoplasms - veterinary Horse Diseases
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Front cover; Clinical Equine Oncology; Copyright page; Table of Contents; Preface; Acknowledgements; Dedication; Glossary; Specialist terms used in radiotherapy; 1 Basic principles of oncology; 1 Introduction; References; 2 The challenges and problems of equine oncological practice; References; 3 Tumour nomenclature; Introduction; Benign and malignant tumours; Benign tumours; Malignant tumours; Assessing tumour activity and behaviour in vitro and in vivo; Grading; Staging; TNM tumour staging; Measured/assessed parameters; Ann Arbor tumour staging; Reference; 4 Biology of tumour growth The molecular and genetic (cellular) basis of cancer The guardian of the genome: (T)p53 gene; DNA repair genes; Cell destruction; Apoptosis; Cellular evasion of apoptosis; Autophagy; Necrosis; Immune evasion; The role of calreticulin in tumour development; Cellular senescence; Cell interactions; Carcinogenesis; The Knudson hypothesis; The multistep carcinogenesis proposal; Chemical carcinogenesis; Radiation carcinogenesis; Microbiological/infectious agents of carcinogenesis; Other factors that promote tumour development; Tumour progression

and proliferation; Angiogenesis; Tumour invasion
The stromal micro-environment of a tumour
Metastasis; The genetic theory of metastasis; Routes of metastasis; The growth of tumours; The Gompertzian model; References; 5 Clinical effects of cancer in horses; Introduction; Clinical signs and consequences; Tissue type; Size/extent; Location; Number; Specific nature and pathological behaviour; Functionality; Duration; Differential diagnoses; Ulceration and infection; Physical appearance; References; 6 Paraneoplastic syndromes; Anorexia-cachexia and wasting syndromes; Tumour lysis syndrome; Hypercalcaemia/hypocalcaemia; Pyrexia; Anaemia
Erythrocytosis (polycythaemia) Thrombocytosis/thrombocytopenia; Hypoglycaemia; Hypercupraemia; Hyperfibrinogenaemia, hyperglobulinaemia and monoclonal gammopathy; Paraneoplastic pruritus; Paraneoplastic pemphigus and other dermatological paraneoplastic signs; Ulcerative coronitis; Paraneoplastic bullous stomatitis; Protein-losing enteropathy; Renal failure; Amyloidosis; Hypertrophic (pulmonary) osteopathy (Marie's disease); References; 7 Principles of diagnosis; Clinical investigations and specialized tests/imaging methods; Tissue sampling; Biopsy; Overview; Biopsy methods; Punch biopsy
Wedge biopsy
Portional biopsy; Excisional/ablative biopsy; Fine-needle aspiration; Hollow-needle biopsy; Impression smears; Tissue fixatives; Haematology and biochemistry; Ultrasonography; Abdominocentesis/thoracocentesis; Total protein assay; Cytological assessment; Cerebrospinal fluid sampling; Bone marrow biopsy/aspiration; Bone marrow aspiration; Bone marrow biopsy; Technique; Radiography; X-ray computed tomography (CT); Magnetic resonance imaging (MRI); Scintigraphy; Laparoscopy/pleuroscopy/endoscopy; Technique; Limitations; Tumour markers; In vitro cell culture assessment; References
8 Pathological methods in equine oncology

Sommario/riassunto

Diagnose common equine tumors accurately and find clinical information quickly! Clinical Equine Oncology describes the cellular basis of cancer and its etiopathogenesis, along with the principles of diagnosis, treatment, and management of cancer cases. This comprehensive resource offers more than just facts and diagrams - hundreds of detailed photographs make it easier to recognize and evaluate more than 50 types of tumors. It's useful to anyone working in the equine field, whether you're a veterinary surgeon, a practicing vet, equine dentist, or veterinary student. Written by a recognized ex
