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Small Animal Neurological Emergencies

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Description:

This new book deals systematically with the assessment and treatment of small animal neurological patients in light of latest research findings and greatly improved imaging techniques.

The authors first discuss neurological and systemic approaches to emergency cases - examination, critical care and rapid assessment based on presenting signs. They then deal in depth with the pathophysiology, treatment options and likely prognoses of each of the more common types of neurological emergency, be it vascular accident, infection, trauma, seizure, acute disease or neoplasia. Detailed support techniques and therapies are provided on emergency anaesthesia, pain management, fluid therapy, post-operative care and physical rehabilitation.

The book is of use to veterinary practitioners and students, and to neurological residents and specialists.

Contents:

Section One, 1. Examining the neurological emergency, 2. Respiratory and cardiovascular support in the neurological patient, 3. Metabolic evaluation of critically ill neurological patients, 4. Imaging of neuroemergencies, 5. Cerebrospinal fluid analysis. Section Two, 6. Obtundation, stupor and coma, 7. Seizures, 8. Exercise associated weakness and collapse, 9. Ataxia, 10. Acute paresis and paralysis, 11. Spinal pain, 12. Acute blindness, 13. Acute tremors and involuntary movements, 14. Head tilt and nystagmus, 15. Acute disorders of the head and face, 16. Monoparesis and neurological causes of lameness. Section Three, 17. Cerebrovascular accident, 18. Ischaemic myelopathy, 19. Infectious and inflammatory diseases of the CNS, 20. Head trauma, 21. Spinal trauma, 22. Acute disc disease, 23. Status epilepticus, 24. Myasthenia gravis, 25. Tetanus and botulism, 26. Intracranial neoplasia and secondary pathological effects, 27. Metabolic encephalopathies, 28. Neurological toxicities. Section Four, 29. Anaesthesia in animals with neurological disease, 30. Analgesia for patients with neurological disease, 31. Fluid therapy, 32. Post-operative support care and physical rehabilitation. Appendix 1: Emergency drug use, Appendix 2: Units and reference ranges., Appendix 3: Blood transfusion monitoring. Index.

528 pp
260 x 194mm

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Subject:

Veterinary medicine: small animals (pets)

Readership:

Veterinarians in practice and training, neurological residents and specialists

Key Features:

- Outstanding array of expert authors.
- Focus on rapid assessment based on presenting signs.
- In depth coverage of each type of neurological emergency.
- Superb illustrations including latest imaging techniques.