

# **TABLE OF CONTENTS – Advanced Techniques in Canine and Feline Neurosurgery**

List of contributors

ACVS Foreword

Preface

Chapter Author / Institution

1 A History of Veterinary Neurosurgery” 1900-2000 DC Sorjonen ACVIM – Auburn

2 Applications of 3D Printing in Veterinary Neurosurgery Fred Winger ACVIM – Charlotte, NC

3 Post-operative Radiation Therapy of Intracranial Tumors – MW Nolan ACVR - NCSU

4 Neuroanesthesia Claudio Natalini ACVAA – MS State

## **Part 1 Spinal Procedures**

5 Cervical Ventral Slot Decompression A Shores ACVIM,

A Mooney – MS State

6 Thoracolumbar Decompression (Hemilaminectomy and Mini-hemilaminectomy) B Brisson ACVS – U Guelph

7 Thoracolumbar Disc Fenestration B Brisson ACVS – U Guelph

8 Percutaneous Laser Disk Ablation D Dugat ACVS – OK St U

9 The Cranial Thoracic Spine: Approach via Dorsolateral Hemilaminectomy Y Merbl ECVN, A Chen-Allen ACVIM -WSU

10 Principles in Surgical Management of Locked Cervical Facets A Shores ACVIM, R Gibson -

MS State

11 Spinal Stabilization Cervical Spine B Hettlich ACVS – Berne, CH

12 Spinal Stabilization Thoracolumbar Spine S Kornberg ACVIM

B Brisson ACVS – U Guelph

13 Surgical Management of Congenital Spinal Anomalies S Carrera-Justiz ACVIM – and Gabriel Garcia ACVIM - UF

14 Lumbosacral Decompression and Foramenotomy Techniques M Beasley ACVIM, S Lim -

MS State

15 Surgical Management of Spinal Nerve Root Tumors A Uriarte ECVN

16 Craniocervical Junction Anomalies S Cerda-Gonzalez ACVIM -

MedVet Chicago

17 Ventral Approach to the Cervicothoracic Spine Isidro Mateo / Hospital Clínico

Veterinario, Universidad Alfonso, Espana

## **Part 2 Intracranial Procedures**

18 Intraoperative Ultrasound in Intracranial Surgery A Shores ACVIM, A Lee ACVR - MS State, C Tollefson

19 Brain Biopsy Techniques A Chen-Allen ACVIM – WSU

J Rossmeisel ACVIM – VT

20 Surgical Management of Sellar Masses T Owen ACVS, A Chen-Allen ACVIM, L Martin ECC – WSU

21 Surgical Management and Intraoperative Strategies for Tumors of the Skull J McAnulty ACVS – UW

22 Surgical Management of Intracranial Meningiomas T Bentley ACVIM – Purdue

23 Lateral Ventricular Fenestration A Shores ACVIM – MSSTATE

24 Surgery of the Caudal Fossa Tumors B Sturges ACVIM - UCD

25 Transzygomatic Approach to Ventrolateral Craniotomy/Craniectomy

M Young ACVIM, S Chen – Bush Vet