# TABLE OF CONTENTS Advances in Equine Upper Respiratory Surgery

#### Foreword

### **Section I Recurrent Laryngeal Neuropathy 1**

- 1 Recurrent Laryngeal Neuropathy: Grading of Recurrent Laryngeal Neuropathy 3 Katie J. Smith and Padraic M. Dixon
- 2 Recurrent Laryngeal Neuropathy: Diagnosis, Dynamic Endoscopy 9 Elizabeth Davidson
- 3 Ultrasonography of the Larynx for the Diagnosis of Recurrent Laryngeal Neuropathy 17 Heather Chalmers
- 4 Laser Ventriculocordectomy 21 Jan Hawkins
- 5 Prosthetic Laryngoplasty 29 Eric J. Parente and Jan Hawkins
- 6 Biomechanics of Prosthetic Laryngoplasty 35 Benjamin J. Ahern
- 7 Ablation of the Cricoarytenoid Joint 43 Jan Hawkins
- 8 The Use of Partial Arytenoidectomy in the Management of Recurrent Laryngeal Neuropathy 49 Catherine H. Hackett
- 9 Evaluation and Management of the Horse Following Failed Laryngoplasty 53 Jan Hawkins
- 10 Evaluation and Management of the Horse with Dysphagia Following Prosthetic Laryngoplasty 57
  Jan Hawkins
- 11 Treatment of Recurrent Laryngeal Neuropathy in Racehorses 61 Eric J. Parente
- 12 Treatment of Recurrent Laryngeal Neuropathy in Draft Horses 65 Warren Beard

13 Evaluation and Treatment of the Horse with Fourth Branchial Arch Defects 69 Katherine Garrett

14 Future Developments in the Management and Treatment of Recurrent Laryngeal Neuropathy 77

Jonathan Cheetham

15 Objective Evaluation Following Surgical Correction of Upper Airway Abnormalities 81

Jonathan Cheetham

## **Section II Dorsal Displacement of the Soft Palate 87**

16 Dorsal Displacement of the Soft Palate: Pathophysiology and New Diagnostic Techniques 89

Jonathan Cheetham

17 Dorsal Displacement of the Soft Palate: Standing and Dynamic Endoscopic Examination 97
Elizabeth Davidson

18 Ultrasonography of the Horse with Suspected Dorsal Displacement of the Soft Palate 105
Heather Chalmers

19 Sternothyroideus Myotenectomy and Staphylectomy 109 Jan Hawkins

20 Dorsal Displacement of the Soft Palate: Laryngeal Tie-Forward 115 Norm G. Ducharme

21 Laser Palatoplasty 121 Jan Hawkins

22 Surgical Management of Dorsal Displacement of the Soft Palate in the Racehorse 125

Patricia Hogan

23 Dorsal Displacement of the Soft Palate: Evaluation of the Horse with Poor Performance Following Attempted Surgical Correction 131 Norm G. Ducharme

24 Treatment of Persistent Dorsal Displacement of the Soft Palate 135 Norm G. Ducharme

#### Section III Surgery of the Head 141

25 Nasal Septum Removal 143 David E. Freeman

26 Surgical Treatment of Horses withWry Nose 157 Jim Schumacher

27 Choanal Atresia 167 Jan Hawkins

28 Frontonasal and Maxillary Sinusotomy Performed with the Horse Standing 171 Jim Schumacher and Justin Perkins

29 Frontonasal and Maxillary Sinusotomy Performed Under General Anesthesia 177 Warren Beard

30 Surgery of the Paranasal Sinuses: Surgical Removal of the Cheek Teeth and Management of Orosinus Fistulae 185 Padraic M. Dixon

### Section IV Surgery of the Soft Palate, Epiglottis, Arytenoid, and Trachea 193

31 Surgical Repair of Cleft Palate 195 Lloyd P. Tate, Jr

32 Surgical Correction of Epiglottic Entrapment 207 Michael W. Ross and Jan Hawkins

33 Subepiglottic Cysts 223 Eric J. Parente

34 Laser Resection of the Aryepiglottic Folds 227 Eric J. Parente

35 Partial Arytenoidectomy with Mucosal Closure 231 Eric J. Parente

36 Partial Arytenoidectomy without Mucosal Closure 237 Jan Hawkins

37 Management of Guttural Pouch Tympanites 241 Lloyd. P. Tate, Jr

38 Treatment of Hemorrhage Associated with Guttural Pouch Mycosis 249 Daniel F. Hogan

39 Surgical Management of Temporohyoid Osteoarthropathy 255 Norm G. Ducharme, Thomas J. Divers, and Nita Irby

40 Surgery of the Trachea 261 Lloyd P. Tate, Jr

41 Permanent Tracheostomy in the Horse 271 Peter C. Rakestraw - **INDEX 277**.