

VDOS Clinical Rounds/Journal Clubs (Tooth Extraction and Associated Management)

Publications discussed on June 3, 2022 and June 4, 2022

Reviews

- Reiter AM, Soltero-Rivera MM. Applied feline oral anatomy and tooth extraction techniques: an illustrated guide. *Journal of Feline Medicine and Surgery* 2014; 16: 900-913.
- Reiter AM. Closed and open tooth extraction. In: Reiter AM, Gracis M. *BSAVA Manual of Canine and Feline Dentistry and Oral Surgery*, 4th ed. BSAVA, Gloucester, 2018, 304-337.

Use of High-Speed Equipment

- Chua H, Choi JJE, Ramani RS, Ganjigatti R, Waddell JN. The cooling efficiency of different dental high-speed handpiece coolant port designs. *Heliyon* 2019 Aug 26;5(8):e02185. doi: 10.1016/j.heliyon.2019.e02185.

Suture Patterns

- Pegg JE, Hoyer N, Kelley JL, Weir H, Rawlinson JE. Clinical evaluation of intraoral suture patterns using poliglecaprone 25 in greyhound dogs. *Journal of Veterinary Dentistry* 2022; 39: 112-121.

Crown Removal with Retention of Resorbing Roots

- DuPont G. Crown amputation with intentional root retention for advanced feline resorptive lesions--a clinical study. *Journal of Veterinary Dentistry* 1995; 12(1): 9-13.
- DuPont GA. Crown amputation with intentional root retention for dental resorptive lesions in cats. *Journal of Veterinary Dentistry* 2002; 19: 107-110.

Maxillary Molar Tooth Extraction in Dogs

- Vall P. Maxillary molar tooth extraction in the dog. *Journal of Veterinary Dentistry* 2012; 29: 276-284.
- Ritchie C. A modified technique for extraction site closure of the maxillary molars in a dog. *Journal of Veterinary Dentistry* 2018; 35: 42-45.
- Bissett L, Niemiec BA. A retrospective evaluation of secondary wound healing for extraction of the maxillary first molar in dogs. *Journal of Veterinary Dentistry* 2021; 38: 208-215.

Lingual and Dorsal Approaches for Mandibular Canine Tooth Extraction

- Smith MM. Lingual approach for surgical extraction of the mandibular canine tooth in dogs and cats. *Journal of the American Animal Hospital Association* 1996; 32: 359-364.
- Legendre L. Extraction of the lower cuspid, with minimal stress. *Canadian Veterinary Journal* 1997; 38: 449-450.
- Somrak AJ, Joslyn S, Schaeffer DJ, Marretta SM, Matheson J. Comparison of dorsal and buccal approaches for surgical extraction of the mandibular canine tooth in cat specimens

using radiographic and computed tomographic analysis. *Journal of Veterinary Dentistry* 2015; 32: 233-238.

Extraction of Retained Roots

- Woodward TM. Extraction of fractured tooth roots. *Journal of Veterinary Dentistry* 2006; 23: 126-129.
- Moore JI, Niemiec B. Evaluation of extraction sites for evidence of retained tooth roots and periapical pathology. *Journal of the American Animal Hospital Association* 2014; 50: 77-82.
- Ng KK, Fiani N, Tennant M, Peralta S. Frequency of clinical and radiographic evidence of inflammation associated with retained tooth root fragments and the effects of tooth root fragment length and position on oral inflammation in dogs. *Journal of the American Veterinary Medical Association* 2020; 256: 687-695.

Extraction of Unerupted Teeth

- Taney KG, Smith MM. Surgical extraction of impacted teeth in a dog. *Journal of Veterinary Dentistry* 2006; 23: 168-177.
- Edstrom EJ, Smith MM, Taney K. Extraction of the impacted mandibular canine tooth in the dog. *Journal of Veterinary Dentistry* 2013; 30: 56-61.

Nasal Displacement of Teeth

- Taylor TN, Smith MM, Snyder L. Nasal displacement of a tooth root in a dog. *Journal of Veterinary Dentistry* 2004; 21: 222-225.
- Bellei E, Pisoni L, Joechler M, Pietra M. An unusual case of a nasal foreign body in a cat with chronic nasal discharge. *Journal of the American Animal Hospital Association* 2015; 51: 249-251.

Prevalence of Oronasal Fistula

- Sauv e CP, MacGee SE, Crowder SE, Schultz L. Oronasal and oroantral fistulas secondary to periodontal disease: A retrospective study comparing the prevalence within dachshunds and a control group. *Journal of Veterinary Dentistry* 2019; 36: 236-244.

Complications

- Hardie EM, Spodnick GJ, Gilson SD, Benson JA, Hawkins EC. Tracheal rupture in cats: 16 cases (1983-1998). *Journal of the American Veterinary Medical Association* 1999; 214: 508-512.
- Mitchell SL, McCarthy R, Rudloff E, Pernell RT. Tracheal rupture associated with intubation in cats: 20 cases (1996-1998). *Journal of the American Veterinary Medical Association* 2000; 216: 1592-1595.
- Pacchiana PD, Burnside PK, Wilkens BE, McDonald DE, Gillings SL. Primary bronchotomy for removal of an intrabronchial foreign body in a dog. *Journal of the American Animal Hospital Association* 2001; 37: 582-585.
- Smith MM, Smith EM, La Croix N, Mould J. Orbital penetration associated with tooth extraction. *Journal of Veterinary Dentistry* 2003; 20: 8-17.
- Reiter AM, Brady CA, Harvey CE. Local and systemic complications in a cat after poorly performed dental extractions. *Journal of Veterinary Dentistry* 2004; 21: 215-221.

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- Wilson G, Caiafa A. Fatal venous air embolism (letter to editor). *Journal of Small Animal Practice* 2009; 50: 206-207; author reply 207.
- Paiva SC, Froes TR, Lange RR, Machado M, Pachaly JR, Montiani-Ferreira F. Iatrogenic nasolacrimal duct obstruction following tooth extraction in a cat. *Journal of Veterinary Dentistry* 2013; 30: 90-94.
- Troxel M. Iatrogenic traumatic brain injury during tooth extraction. *Journal of the American Animal Hospital Association* 2015; 51: 114-118.

Grafting of Tooth Extraction Sites

- Silva AM, Souza WM, Souza NT, et al. Filling of extraction sockets with autogenous bone in cats. *Acta Cirurgica Brasileira* 2012; 27: 82-87.
- Silva AM, Astolpho RD, Perri SH, et al. Filling of extraction sockets of feline maxillary canine teeth with autogenous bone or bioactive glass. *Acta Cirurgica Brasileira* 2013; 28: 856-862.

Miscellaneous

- Beckman B, Smith MM. Alternative extraction techniques in the dog and cat. *Journal of Veterinary Dentistry* 2011; 28: 134-138.
- Crocker CB. Maxillary third incisor tooth extraction in the dog. *Journal of Veterinary Dentistry* 2015; 32: 69-74.

Pain Management

- Bienhoff SE, Smith ES, Roycroft LM, et al. Efficacy and safety of deracoxib for the control of postoperative pain and inflammation associated with dental surgery in dogs. *ISRN Veterinary Science* 2012 Jan 23;2011:593015. doi: 10.5402/2011/593015.
- de Vries M, Putter G. Perioperative anaesthetic care of the cat undergoing dental and oral procedures: key considerations. *Journal of Feline Medicine and Surgery* 2015; 17: 23-36.
- Aguiar J, Chebroux A, Martinez-Taboada F, Leece EA. Analgesic effects of maxillary and inferior alveolar nerve blocks in cats undergoing dental extractions. *Journal of Feline Medicine and Surgery* 2015; 17: 110-116.
- Castejón-González AC, Reiter AM. Locoregional anesthesia of the head. *Veterinary Clinics of North America Small Animal Practice* 2019; 49: 1041-1061.
- Watanabe R, Doodnaught G, Proulx C, Auger JP, Monteiro B, Dumais Y, Beauchamp G, Segura M, Steagall P. A multidisciplinary study of pain in cats undergoing dental extractions: A prospective, blinded, clinical trial. *PLoS One* 2019 Mar 1;14(3):e0213195. doi: 10.1371/journal.pone.0213195.
- Watanabe R, Frank D, Steagall PV. Pain behaviors before and after treatment of oral disease in cats using video assessment: a prospective, blinded, randomized clinical trial. *BMC Veterinary Research* 2020 Apr 10;16(1):100. doi: 10.1186/s12917-020-02302-w.
- Watanabe R, Marcoux J, Evangelista MC, Dumais Y, Steagall PV. The analgesic effects of buprenorphine (Vetergesic or Simbadol) in cats undergoing dental extractions: A randomized, blinded, clinical trial. *PLoS One* 2020 Mar 6;15(3):e0230079. doi: 10.1371/journal.pone.0230079.

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