



# Australian and New Zealand College of Veterinary Scientists

## Membership Examination

June 2018

# Small Animal Dentistry and Oral Surgery Paper 1

Perusal time: **Fifteen (15)** minutes

Time allowed: **Two (2)** hours after perusal

Answer **ALL FOUR (4)** questions

Answer **FOUR (4)** questions, each worth 30 marks.....total 120 marks

© 2018 Australian and New Zealand College of Veterinary Scientists ABN 00 50 000894 208  
This publication is copyright. Other than for the purposes of and subject to the conditions prescribed under the Copyright Act, no part of it may in any form or by any means (electronic, mechanical, microcopying, photocopying, recording or otherwise) be reproduced, stored in a retrieval system or transmitted without prior written permission. Enquiries should be addressed to the Australian and New Zealand College of Veterinary Scientists

# Paper 1: Small Animal Dentistry and Oral Surgery

---

Answer all four (4) questions

1. Describe the developmental embryology of canine **and** feline teeth through to eruption of the permanent dentition. Diagrams may be included in your answer. *(30 marks)*
  
2. Answer **all** parts of this question:
  - a) List the advantages **and** disadvantages of extra-oral radiology. *(12 marks)*
  
  - b) List the advantages **and** disadvantages of intra-oral radiology. *(9 marks)*
  
  - c) The parallel technique is appropriate for imaging which anatomical region(s) in the dog's mouth? *(1 mark)*
  
  - d) Describe the principles **and** purpose behind the bisecting angle technique. *(8 marks)*
  
3. Answer **both** parts of this question:
  - a) Discuss the physiological properties **and** function of the oral biofilm in **both** normal **and** disease states. *(20 marks)*
  
  - b) List situations when the use of antibiotics in the treatment of oral diseases in dogs **and** cats can be justified. *(10 marks)*
  
4. Answer **both** parts of this question:
  - a) List the components that make up the periodontium. *(3 marks)*
  
  - b) Discuss the pathophysiology of the development of periodontal disease from a healthy mouth to stage four periodontitis. *(27 marks)*

**End of paper**



# Australian and New Zealand College of Veterinary Scientists

## Membership Examination

June 2018

## Small Animal Dentistry and Oral Surgery Paper 2

Perusal time: **Fifteen (15)** minutes

Time allowed: **Two (2)** hours after perusal

Answer **ALL FOUR (4)** questions

Answer **FOUR (4)** questions, each worth 30 marks.....total 120 marks

© 2018 Australian and New Zealand College of Veterinary Scientists ABN 00 50 000894 208

*This publication is copyright. Other than for the purposes of and subject to the conditions prescribed under the Copyright Act, no part of it may in any form or by any means (electronic, mechanical, microcopying, photocopying, recording or otherwise) be reproduced, stored in a retrieval system or transmitted without prior written permission. Enquiries should be addressed to the Australian and New Zealand College of Veterinary Scientists*

# Paper 2: Small Animal Dentistry and Oral Surgery

---

Answer all four (4) questions

1. A seven-year-old dog is presented with a complicated crown fracture of tooth 108.

Answer **all** parts of this question:

- a) List the treatment options in this case. (2 marks)
- b) Describe the recommended technique for tooth extraction in this case. (24 marks)
- c) Discuss the long-term preventative management of this case following the tooth extraction. (4 marks)

2. Answer **all** parts of this question:

- a) List the differential diagnoses for a 15 mm firm but discrete mass of the gingiva, rostral to tooth 404 in a seven-year-old dog. (10 marks)
- b) Discuss the diagnostic plan for the case in part 2 a). (10 marks)
- c) Discuss the management options for a sialocele involving the sublingual salivary glands in a dog. (10 marks)

3. Answer **both** parts of this question:

- a) Describe the difference between avulsed **and** luxated teeth. (6 marks)
- b) A four-year-old dog has presented with a luxated tooth 104. Discuss the treatment options for salvaging this tooth. (24 marks)

**Continued over page**

4. An eight-year-old Dachshund is presented with persistent sneezing and unilateral right-sided nasal discharge. Oral examination reveals severe periodontal disease of tooth 104.

Answer **both** parts of this question:

- a) Discuss the diagnosis **and** treatment of this case, including the raising, handling and closing of a muco-gingival flap. Include in your answer the use of perioperative analgesia. *(25 marks)*
- b) Discuss the post-operative management of this case in the first week. *(5 marks)*

**End of paper**