



AUSTRALIAN AND NEW ZEALAND COLLEGE OF VETERINARY SCIENTISTS

MEMBERSHIP GUIDELINES

Medicine of Horses

INTRODUCTION

These membership guidelines should be read in conjunction with the *Membership Candidate Handbook*.

ELIGIBILITY

Refer to the *Membership Candidate Handbook*.

OBJECTIVES

To demonstrate that the candidate has sufficient knowledge of and experience in the medicine of horses to be able to give sound advice in this field to veterinary colleagues.

LEARNING OUTCOMES

The candidate will have a **sound**¹ knowledge of :

- a) The principles of equine medicine and their application based on theoretical understanding as well as practical experience dealing with clinical cases. .
- b) The anatomy, physiology and pathophysiology of all equine organ systems including the eye, skin and reproductive organs in health and disease in both adult horses and foals.
- c) The aetiology, pathophysiology, clinical signs, diagnosis, differential diagnosis, treatment, management, epidemiology and prevention of all infectious and non infectious equine diseases
- d) All diagnostic tests and procedures including but not limited to the relevant aspects of diagnostic imaging and clinical pathology as they apply to the diagnosis of disease conditions in the horse

¹ **Knowledge Levels:**

Detailed knowledge - candidates must be able to demonstrate an in-depth knowledge of the topic including differing points of view and published literature. The highest level of knowledge.

Sound knowledge – candidate must know all of the principles of the topic including some of the finer detail, and be able to identify areas where opinions may diverge. A middle level of knowledge.

Basic knowledge – candidate must know the main points of the topic and the core literature.

- e) Applied clinical pharmacology and therapeutics including chemotherapeutics, vaccines and biologics used in the management of equine diseases and performance disorders.
- f) Equine husbandry in Australia and New Zealand including stud, racing, competition and pleasure horse practices as they affect horse health, welfare and performance

The candidate will have **basic** knowledge of :

- a) The principles of equine nutrition in adult horses and foals
- b) The aetiologic agents, pathophysiology, clinical signs, diagnosis and management of toxicity associated with poisonous plants, toxins and envenomations encountered in horses in Australia and New Zealand.
- c) Exotic equine diseases and their potential importance to Australia and New Zealand.

EXAMINATIONS

For information on both the standard and format of the Written and Oral examinations, candidates are referred to the *Membership Candidates Handbook*. The Membership examination has **two separate, autonomous components**:

1. **Written Examination** (*Component 1*)
Written Paper 1 (two hours): Principles of the Subject
Written Paper 2 (two hours): Applied Aspects of the Subject
2. **Oral Examination** (*Component 2*)
Oral (one hour)

The written examination will comprise of two separate two-hour written papers taken on the same day. There will be an additional 15 minutes perusal time for each paper, during which no writing on the examination paper is permitted. In each paper you are provided with four (4) questions to answer, worth 30 marks each, giving a total of 120 marks per paper. There is no choice of questions. Questions may be long essay type or a series of shorter answer sub-questions. Marks allocated to each question and to each subsection of questions will be clearly indicated on the written paper.

Written Paper 1:

This paper is designed to test the candidate's knowledge of the principles of the medicine of horses as described in the learning outcomes. Answers may cite specific examples where general principles apply, but should primarily address the theoretical basis underlying each example.

Written Paper 2:

This paper is designed to a) test the candidate's ability to apply the principles of the medicine of horses to particular cases, problems or tasks and b) test the candidate's familiarity with the current practices and current issues that arise from activities within the discipline of the medicine of horses in Australia and New Zealand. Where clinical pathology results form part of the question, normal ranges will be provided. Calculators can be used during the examination.

Oral Examination:

This examination requires the candidate to demonstrate achievement of the above-mentioned Learning Outcomes during a face to face discussion with examiners. The duration of this examination is approximately one (1) hour. Images, radiographs, ultrasound images and clinical pathology results are likely to be used during this examination. Five (5) cases are presented with supporting questions asked verbally in a face-to-face setting. The oral examination has a total of 100 marks with each case allocated 20 marks.

RECOMMENDED READING MATERIAL

The following list of recommended reading material is intended as a guide only. Candidates should not necessarily limit themselves to only studying material on the list and candidates should be aware that the detail in some sections of the books / journals listed is more advanced than that required for examination at Membership level. *The list is not comprehensive and is not intended as an indicator of the content of the examination.*

TEXTS

Current Therapy in Equine Medicine 1,2,3,4 and 5 – N.E. Robinson (ed) W.B. Saunders Co.
Equine Internal Medicine 2nd edition – S. Reed (ed)
Manual of Equine Practice – 2nd edition – R Rose R & D Hodgson

JOURNALS

Candidates in this subject may find useful material in the list of following journals, however access to these journals is not required to pass at membership level.

Equine Veterinary Journal
Equine Veterinary Education
Australian Equine Veterinarian
Veterinary Clinics of North America – equine practice
Clinical Techniques in Equine Practice
Compendium of Continuing Education for the Practicing Veterinarian – Equine section -
Journal of the American Veterinary Medical Association
Journal of Veterinary Internal Medicine

PROCEEDINGS

Proceedings of the Bain-Fallon Memorial Lectures
Proceedings of the Annual Convention of the American Association of Equine Practitioners
Proceedings of the Equine Refresher Courses – Post-graduate Committee in Veterinary Science – University of Sydney

OTHER RESOURCES

IVIS website

FURTHER INFORMATION

For further information contact the College Office

Telephone: International +61 (07) 3423 2016

Fax: International +61 (07) 3423 2977

Email: admin@anzcvs.org.au

Web: www.anzcvs.org.au

Postal Address : Building 3, Garden City Office Park, 2404 Logan Road
EIGHT MILE PLAINS QLD 4113 Australia

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