

KEY LEARNING POINTS

DISORDERS OF PRIMARY HAEMOSTASIS

VETERINARY BIOSCIENCE: CARDIOVASCULAR SYSTEM

The materials provided (lecture notes and lecture images) should allow you to answer the following questions.

- What is meant by the following terms: **haemorrhage by rhexis** and **haemorrhage by diapedesis**?
- What is meant by the following terms: **haemothorax**, **haemopericardium**, **haemoperitoneum**, **haemarthrosis**, **haematuria**, **haemoptysis**, **haematemesis**, **haematochezia**, **dysentery**, **melaena**, **epistaxis** and **hyphaema**?
- What is meant by the following terms: **petechiae**, **purpura**, **ecchymoses**, **paintbrush** or **suffuse haemorrhages**?
- What is a **haematoma**?
- How do bruises and haematomas resolve? Which pigments contribute to the gross discolouration of bruises and haematomas?
- What factors determine the clinical significance of haemorrhage?
- What is the **most common** cause of haemorrhage in domestic animals?
- What are some other potential causes of haemorrhage?
- What are **haemorrhagic diatheses**?
- What clinical signs would make you suspicious that an animal has a defect in **primary** haemostasis?
- What clinical signs would make you suspicious that an animal has a defect in **secondary** haemostasis?
- List the four major mechanisms responsible for defects in primary haemostasis.
- What are the major mechanisms responsible for thrombocytopenia in domestic animals? Which of these mechanisms are most likely to cause a clinically significant thrombocytopenia?
- What is the **most common** mechanism responsible for clinically significant thrombocytopenia in cats? What are the most common underlying conditions in cats?

- What is the **most common** mechanism responsible for clinically significant thrombocytopenia in dogs? What can trigger this condition in dogs?
- What do the terms **thrombocytopathy**, **thrombopathy** and **thrombopathia** mean? What are some causes of these conditions in domestic animals?
- What role does von Willebrand factor play in primary haemostasis?
- Which species of domestic animal is most commonly affected by von Willebrand's disease? Which breeds are most often affected in Australia? How is the condition inherited in these breeds?
- What clinical signs would you expect to see in a dog with von Willebrand's disease?
- What are some of the blood vessel disorders that can manifest as petechiae and ecchymoses in the skin and/or mucous membranes?

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JAC 5.8.23