

Veterinary Bioscience:

Digestive System



LECTURE 10

DISEASES OF THE ORAL CAVITY

LECTURER

DR SMITHA GEORGY

Dr Smitha Georgy graduated from Kerala Agricultural University, India and proceeded to work in mixed animal practice under Government. She moved to Australia in 2006 and undertook PhD from The University of Melbourne. Smitha then worked as a research scientist in the Department of Medicine, Monash University. In 2015, she completed the National Veterinary Examination and started small animal practice in Melbourne. Smitha is currently Lecturer in Veterinary Pathology and a Diplomate of the American College of Veterinary Pathologists. Her research interests include epithelial cancers affecting skin, oral cavity and oesophagus.



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INTENDED LEARNING OUTCOMES

At the end of this lecture, you should be able to:

- Analyse the developmental anomalies of the oral cavity and its consequences.
- Classify the inflammatory lesions in the oral cavity of domestic animals based on aetiology and pathogenesis.
- Identify and differentiate the proliferative lesions of the oral cavity of domestic animals.

KEY WORDS

Palatoschisis, brachygnathia, stomatitis, vesicle, papule, erosion, ulcer, glossitis, epulis.

LECTURE OVERVIEW

In this lecture, we will overview various diseases of the upper gastrointestinal tract focusing on the oral cavity. The protective mechanisms of the oral cavity and basic reactions of the gastrointestinal tract to injury will be reviewed. Developmental anomalies affecting palate, lips, mandible/maxilla as well as inflammatory and neoplastic conditions of the oral cavity will be examined in detail. Oral inflammatory lesions are classified into vesicular, erosive and ulcerative, papular, idiopathic, and deep stomatitis. The etiology and pathogenesis of these conditions are reviewed in detail. The common proliferative conditions of the oral

cavity including gingival hyperplasia, epulis, papillomatosis, squamous cell carcinoma, melanoma, and fibrosarcoma are examined in detail in this lecture.

FURTHER READING

McGavin *General Veterinary Pathology*, 2nd edition, Chapter 7, p 301-392.

Jubb, Kennedy and Palmer, *Pathology of domestic animals*, 5th edition, Ed M Grant Maxie, volume 2, chapter 1, p 1-296.