



The three cases of papillomatosis in European bison (*Bison bonasus*)

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Introduction: Papillomatosis is a benign, exophytic proliferation of epithelium. It is caused by viral infection or could be spontaneous. There was only one report considering the papillomatosis in European bison. The papillomas were found at the medial canthus of the left eye of a 12-yr-old female bison shipped to the Bukowski Vchy Hills (Slovakia).

Material and Methods: During the post mortem examination of four individuals of European Bison (*Bison bonasus*) the papillomas of oral cavity were founded in three individuals. The lesions were localized on the tongue (in 6-years bull and 18-years cow), or on the soft palate (in 5-years cow). The sample of lesions were collected, fixed in 10% formalin and underwent the routine histopathological proceeding. The slides were stained with hematoxyline-eosine method.

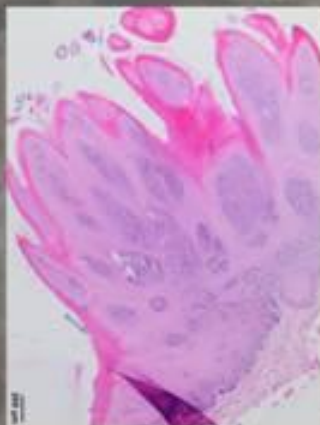


Photo 3. Histopathological features of papilloma



Photo 1. Papillomas on the mucous membrane of the tongue (author Maria Melin)



Photo 2. Papillomas on the mucous membrane of the soft palate (author Maria Melin)

Results and Conclusion: The microscopic examination revealed papillary proliferation of epithelium, acanthosis, but no basal membrane destruction and invasion of connective tissue stroma by neoplastic cells. This is the first case of oral papilloma in European bison, by the authors knowledge.