

## HISTOPATHOLOGICAL STUDY OF PAPILLOMATOSIS OF CATTLE SKIN IN BASRAH

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### **Abstract:**

This research aimed to study and determine the kind of skin tumors of 25 cattle in Basrah city, after surgical removal of this tumors by using hematoxylin, eosin, and special stain. Papilloma was a proliferative neoplasm which benign typically that affecting nearly all animal species. The samples were taken from the skin of 25 infected cows and surgically removed at the College of Veterinary Medicine/Surgical Laboratory, then histopathological section prepared from this samples at Pathology and Poultry Disease Department where diagnosed. The histopathological section revealed vacuolation and degeneration of epidermis and dermis cell layers, hyperkeratosis, hyperplasia of stratum spinosum and Basale, vacuolation of dermal cells, and hyperplasia of hair follicles. Fibro papilloma in dermal layer represented by hyperplasia of fibroblast, and hair follicles in dermis. The tissue section appears positive results to special stain. The Masson stain sections revealed proliferation of connective tissues (fibro papilloma). The PAS stain section showed large amount of collagen into dermal layer.

**Keywords:** *Papilloma, Skin Tumors, Cattle.*

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