CASE REPORT

LYMPHOSARCOMA IN A BUFFALO: A CASE REPORT

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CASE HISTORY AND OBSERVATION

A 10-year-old she buffalo was presented to the college clinics with the history of a 20 cm-in- diameter growth, which had appeared at the right shoulder region and gradually increase in size (Figure 1). The growth was round and soft. Haematological and biochemical parameters were within the normal physiological limits. It was diagnosed as a case of tumor involving the shoulder, and it was decided to perform surgery.

TREATMENTS AND DISCUSSION

The animal was sedated with xylazine hydrochloride 0.01 mg/kg body weight intramuscularly. The animal was restrained on lateral recumbency, 2% lignocaine hydrochloride was infiltrated at the base of the tumor mass, and the mass was excised surgically. Post operatively animal was given enrofloxacin 5.0 mg/kg body weight for 7 days and meloxicam 0.50 mg/kg body weight intravenously for 5 days. Antiseptic dressing of the surgical wound was done with povidone- iodine solution once every two days. The animal made uneventful recovery within 15 days after surgery. The mass was subjected to histopathological examination. Sections showed lymphocytic, polymorphocytic, lymphoblastic, histocytic types, which were mixed cell types (Figure 2) (Madan Joshi et al., 1995) Neoplastic cells were lymphocytes with polyhedral shape, large nuclei placed eccentrically with mitotic figures. The animal was observed for one year after surgery, and there was no report of recurrence.

REFERENCE


Figure 1. Lymphosarcoma in a buffalo.

*Continued on page 18
of thyroid in buffalo. Few elastic fibers were noted in the developing capsule and blood vessels of the capsule at 115 days of gestation.

The ultimobranchial bodies were incorporated into the thyroid gland at 2.5 cm CRL (40 days) and these cells positioned between the developing thyroid follicles and these cells were termed as parafollicular cells by Latshaw (1987). These cells can be easily distinguished midst the substance of the thyroid by their large size and pale staining properties.

REFERENCES


*Continued from page 1*

![Image](image-url)

Figure 2. Photomicrograph showing lymphocytic, polymorphocytic, lymphoblastic, histocytic types which were inter mixed cell types. H&E ×70.