

A Case Report of Oligodendroglioma in Sheep in Iran

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Oligodendroglioma is a neuroectodermal tumor which is derived from oligodendroglial cells (Luginbuhl 1963; Luginbuhl, Fankhauser & Mc Grath 1968). The tumor was described in dog (Moulton 1978), cat and cattle (Jones & Hunt 1983), however to the best knowledge of the authors, this is the first report of oligodendroglioma in sheep in Iran.

One ewe from Qazvin (about 90 Km. far from the Razi Institute) showing nervous symptoms including tilting of head, trembling of the limb muscle and incoordination, was slaughtered at the autopsy hall of the Razi Institute. The necropsy procedure was performed immediately and through examination of internal organs like liver, intestine and spleen, no macroscopic changes were observed. Critical inspection showed a sharply circumscribed mass 2-3 mm. In diameter attaching to the mid brain. it was pink, soft and rather spherical and was located on the left temporal part of the cerebral hemisphere.

the fixed samples of internal organs like liver, Kidney, intestine and brain were sectioned 6/10 and stained by Haematoxylin & Eosin.

Microscopically, the tumor cells were consisted of oval shaped hyperchromatic nuclei and pale stained cytoplasm. Also calcified deposits were present among the neoplastic cells (Figure 1), there were not any metastatic cells in every sections preparing from the other organs.

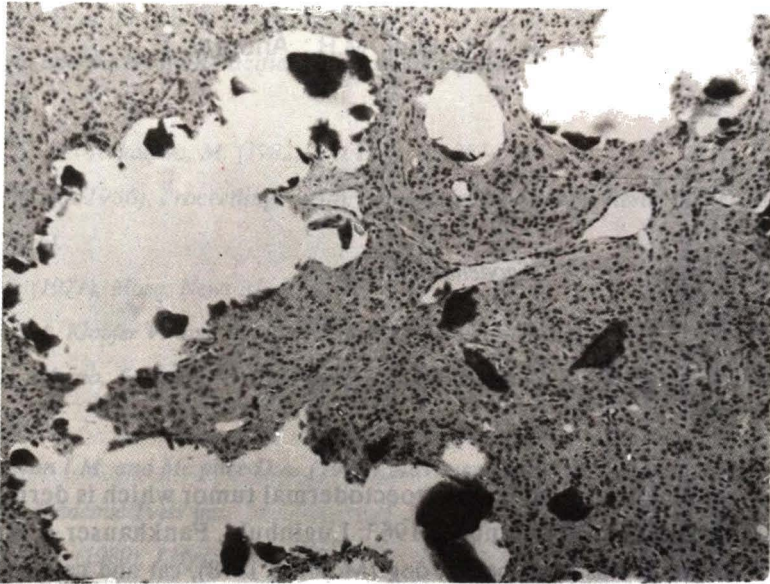


Figure 1: Photomicrograph of the tumor in the brain tissue showing round cells with hyperchromatic nuclei and the foci of calcification H&E x150

References

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