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A CASE OF OLFACTORY NEUROBLASTOMA

Cui Fengjiu 崔凤九 Jin Kuilong* 金龙 Jin Yingjin* 金英锦 Zhu Yongzhe* 朱永哲

Department of Oncology, Department of Electron-microscopy, Affiliated Hospital, Yanbian Medical College, Yanji 133000*

Patient

Male, 52 of age. For 8 months he suffered from nasal obstruction, discharge, repeated nosebleed and for one month also from headache. He came to the clinic on November 9, 1993. 11 months before he had an operation of nasal polyp.

Examination

Swelling on the left chin, projection of the left eye, blocking of neof ormation in the left nasal cavity, erosion of surface, no active bleeding and the nasal septum moved to the right.

Observation with CT

Lumps of soft tissue accumulated in the sinuses of upper jaw projected into the nasal cavity and the bone of side wall of the sinuses was destroyed and the nasal septum was excavated to the right under the oppression and ethmoid sinus was full of shades of soft tissue and the bone of the nasal septum was absorbed.

Pathological Examination

Under the microscope the tumor cells were round or

oval and they were separated into the balls of different sizes by connective tissues, and there were few cytosols. The nuclei were oval or round or in the form of chrisanthemin. Under the CT, nuclei were oval and the cells were arranged into balls of the form of chrisanthemin and there were neurosecretory granules and formation of synapses and on the section of the nerve process there were small vesides of synapses.

Pathological Diagnosis

Olfactory neuroblastoma in the left nasal cavity. On November 15 the radiation therapy was performed (D_r 8Gy/9f) and after that the patient came no longer.

Discussion

Some report on this kind of disease said that somebody found olfactory neuroblastoma while examining the cells of nasal discharge. At present, the nerve fiber was confirmed with Bodium staining and eosinophilic substance in chrisanthemin-formed balls with Mucicarmin staining and enzyme antibody method is important basis in the diagnosis of this disease. The diagnosis was more certain when neurosecretory granules and synapses of nerve cells were seen through CT.

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