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Intradural and intramedullary teratoma presenting in the lumbar spine: Report of a rare case

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Intradural teratoma is an exceedingly unique phenomenon. They are tumors with the cellular constituent source of all the three germ cell layers. We herein report a case of an 18-year-old male with special pathological features. There was no history of spinal dysraphism, congenital spinal abnormalities, previous spinal surgery, or lumbar puncture. Lumbosacral spine magnetic resonance imaging revealed a well-delineated, intramedullary mass at the L2-L3 levels of the lumbar spine. Histopathological examination of the resected tumor revealed cystic spaces lined with simple columnar epithelium as well as mucus secreting epithelium, adipose tissue, salivary gland like serous cell and bundles of smooth muscle cells. Unusual histopathologic features have been seen in the case for example there were no cartilage components which are mostly found in mature teratomas, abundant pacinian corpuscle nerve endings and nerve trunks. There were no immature elements or malignant cells. Teratomas should be taken into consideration in the differential diagnosis of intramedullary lesions even when the imaging reveals tissue homogeneity.

Biography

Taha Fereydouni is a Medical Resident from *Arak University of Medical Sciences, Iran*. He is a member of Student Research Committee at the University.

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