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Derneği



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A case report of a renal anastomosing hemangioma in a 64-year-old male patient

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Introduction: Hemangioma is a benign vascular tumour that is rare and generally affects young or middle aged adults. Histologically hemangiomas of the kidney have been classified as capillary and cavernous. Anastomosing hemangioma is a new variant of capillary hemangioma that was firstly described by Montgomery and Epstein in 2009. Since then, more than 50 renal cases have been reported. In this study, a case of anastomosing hemangioma in a 64-year-old male patient is described with immunohistopathological features.

Case Report: Patient was a 64 year old man who diagnosed colon cancer in 2008. During his routine checks with computed tomography scan, 33x32 mm diameter mass was revealed in the upper pole of the right kidney. Nephrectomy was performed. Macroscopically, the mass was brownish, in soft consistency and well demarcated. In microscopic examination tumor was composed of capillary size vessels with anastomosing pattern and have some overlapping features of both sinusoidal hemangioma and hobnail hemangioma of soft tissue and skin. Endothelial cells that lining capillaries were hobnail, swollen and immunohistochemically positive for CD31 and CD34. Myoid supporting stromal cells were seen around capillary vessels and these cells were positive for SMA. With these findings the tumor was diagnosed as anastomosing hemangioma.

Conclusion: Anastomosing hemangioma is a rare variant of hemangioma in kidney. Awareness of the characteristic histopathologic features of this hemangioma variant is critical, since it should not be mistaken for well-differentiated angiosarcoma.

Anahtar Kelimeler : anastomosing hemangioma, new variant, kidney