

A Case of Primary Renal Angiosarcoma in the Patient with End-stage Renal Disease

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Primary renal angiosarcoma is a rare and fatal malignant tumor. To our knowledge, about 20 cases of primary renal angiosarcoma have been reported in English literature, but there has been no report of renal angiosarcoma in Korea. We report here a case of primary renal angiosarcoma presenting as renal hemorrhage.

A 67-year old man with end-stage renal disease was admitted for left flank pain. Computed tomography (CT) examination revealed a subcapsular hemorrhage in the left kidney. Because there was no sign of further hemorrhage, he was discharged after 2 weeks of observation. But 6 weeks after the discharge, he revisited out-patient clinic due to aggravating flank pain. In a CT scan, the hematoma has grown up to 15 cm, and left nephrectomy was performed. The histopathological diagnosis was angiosarcoma of the kidney. No neoplastic lesions were observed in other sites by radiological investigation prior to the nephrectomy. Three weeks after nephrectomy, reoperation was done because of uncontrolled intra-abdominal bleeding. The surgical findings revealed massive metastasis to the omentum, peritoneum, small bowel, colon, and spleen. The patient died of uncontrolled hemorrhage about 1 week after reoperation.

To our knowledge, this is the first report of renal angiosarcoma in patient with end-stage renal disease. It should be borne in mind that renal angiosarcoma may be a cause of retroperitoneal hematoma.