

**ACUTE RENAL FAILURE CAUSED BY
SPONTANEOUS ACUTE TUMOR LYSIS
SYNDROME FROM UTERINE SARCOMA.**

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Acute tumor lysis syndrome is a well recognized metabolic complication in hematological malignancies, and is also reported to occur in solid tumors after antineoplastic therapy. However, spontaneous acute tumor lysis syndrome from solid tumors is extremely rare and very few cases have been reported so far. A 77 year old female was recently diagnosed with advanced uterine sarcoma and presented with abdominal cramps, nausea, vomiting and fatigue. She did not receive any treatment for her sarcoma. Laboratory investigations showed metabolic derangements including an elevated LDH, metabolic acidosis, hyperkalemia, hyperuricemia, hyperphosphatemia and acute renal failure suggestive of acute tumor lysis syndrome. Urine analysis revealed urate crystals and bilateral renal ultrasound showed normal kidneys with no evidence of obstruction. She was treated with hydration, allopurinol, and hemodialysis with significant improvement. To our knowledge, this is the first reported instance of acute urate nephropathy caused by spontaneous acute tumor lysis syndrome from untreated uterine sarcoma. The pertinent literature will be reviewed; as this case, in addition to the previously reported few cases of spontaneous tumor lysis syndromes in other solid tumors, prompts early diagnosis and appropriate treatment of this condition when certain biochemical indices are present.