

An Unusual Presentation of Plasmacytoid Urothelial Carcinoma of the Bladder - A Case Report and Literature Review

Authors : Bharti Arora, Michael Chen, Steven Lun

Abstract : Plasmacytoid urothelial carcinoma (PUC) of the bladder is a rare and aggressive subtype of urothelial carcinoma that usually presents at an advanced clinical stage, has a predilection for early metastatic potential and is associated with poor prognosis. The first reported case of PUC was in 1991 and approximately 100 cases were reported in the literature worldwide. We present a case of a 43 year old female presenting with a 3-month history of urgency and frequency. Failing medical management of her urinary symptoms with anticholinergic medication, she underwent a diagnostic cystoscopy which revealed an erythematous and indurated bladder. Bladder biopsies of these regions revealed plasmacytoid urothelial carcinoma. Pre-operative staging scans were clear of any metastatic disease and the patient subsequently underwent a radical cystectomy and pelvic clearance with the formation of ileal conduit for urinary diversion. Histology confirmed plasmacytoid urothelial carcinoma with involvement of right upper vagina and focally positive margins in soft tissue at right and left sides of bladder. She received adjuvant chemotherapy but passed away within a year from disease progression. PUC can present atypically and our case highlights the role of cystoscopy in patients with persistent urinary symptoms. By reviewing the literature on PUC, we aim to raise awareness and improve understanding of this rare bladder cancer subtype amongst urologists.

Keywords : urology, bladder cancer, plasmacytoid urothelial cancer, literature review

Conference Title : ICU 2021 : International Conference on Urology

Conference Location : Dubai, United Arab Emirates

Conference Dates : December 20-21, 2021