DPAS
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## Forskningstræningsprojekt, ja/nej: Nej

Abstract titel: Rare Plasmacytoid Urothelial Carcinoma of the Bladder. A case report.

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Introduction:
Plasmacytoid urothelial carcinoma (PUC) is a rare variant and constitutes 1 % - 4.9 % of invasive urothelial carcinoma. It has a very aggressive behavior and greater chance for higher-stage disease and metastasis at presentation. Its tumor cells exihibits a remarkably morphologic resemblance to plasma cells and can lead to mistaken diagnosis as plasmacytoma or lymphoma at metastatic sites. There is a preponderance of older men and prognosis is poor. Here we present a rare case of PUC in a young man.

Material and methods:
A solid lesion was observed in the bladder of a 23-year-old male presenting with macroscopic hematuria for two months. Tumor resection was sent to our laboratory and was processed according to current standards.

Results:
Histopathologic findings showed plasmacytoid cells with abundant cytoplasm, pleomorphic and eccentrically placed nuclei that resembled plasma cells or signet ring cells. There were nucleolar prominence and frequent mitosis. Immunohistochemical staining of the tumor cells showed a positive reaction for CKP-pan, GATA3, and CK7 while CK20, S100 and neuroendocrine markers were negative.

Discussion and conclusion:
Because of PUC being highly aggressive, tending to have delayed presentation and poor prognosis, it requires aggressive management early on. Awareness of its morphology and immunohistochemical profile is important for pathologists to avoid potential misdiagnosis because of its mimicking behavior and also to determine correct diagnosis and prognosis.