

Morphology

Practical Use of Immunohistochemical Investigation in Diagnosis, Differential Diagnosis, Grading and Staging of Urothelial Carcinomas of Urinary Bladder

Veselin Belovezhov^{1}, Maria Koleva¹, Dorian Dikov^{1,2}*

¹ Department of General and Clinical Pathology, Medical University - Plovdiv, Plovdiv, Bulgaria

² Service d'Anatomie et Cytologie Pathologiques, Grand Hospital de l'Est Francilien Jossigny, .

* Corresponding author e-mail: vesbel@abv.bg

Abstract

Urothelial carcinomas are the most common type of bladder tumors. They are the subject of a number of invasive and surgical interventions with a diagnostic and / or therapeutic purpose. In most cases their diagnosis is not a problem for the pathologist but there are also those when histological judgment is difficult and an immunohistochemical investigation is required. It may be useful in determining tumors with low differentiation, in situ carcinomas, in differential diagnosis, and assessment of invasion in order to correct staging and grading of the neoplasm.

Key words: urothelial carcinoma, urinary bladder, immunohistochemical investigation.