

البحث الثامن

Immunohistochemical Expression of CD200 in Renal Cell Carcinoma

Authors: **Hala M. El hanbuli**, Heba A. Ibrahim, Somia A M Soliman
Journal of Microscopy and Ultrastructure.2021. 9 (3), 136

Abstract

Background & Objectives: Renal cell carcinoma is the most common malignant renal neoplasm in adults. CD200 is a transmembrane protein and is a promising target for cancer immunotherapy. The aim of this study is to assess the CD200 expression in renal cell carcinoma.

Materials and Methods: Eighty paraffin-embedded radical nephrectomy specimens, diagnosed as renal cell carcinoma were evaluated immunohistochemically for CD200 expression.

Results: Out of eighty cases studied, CD200 was expressed in n=73 cases (91.25%) with high intensity in 27 cases (33.75%), moderate intensity in 22 cases (27.5%) and mild intensity in 24 cases (30%). No staining was observed in the adjacent apparently normal renal tissue in all examined sections. No significant relationship was found between CD200 expression and the gender, tumor size, tumor side, histologic type, nuclear grade, T stage and tumor necrosis.

Conclusion: CD200 expression in the most of the studied cases of renal cell carcinoma may refer to the potential therapeutic of anti-CD200 antibody for this cancer.