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CD70 EXPRESSION IN RENAL CELL CARCINOMA USING IMMUNOHISTOCHEMISTRY: A TEN YEAR RETROSPECTIVE STUDY AT THE LAGOS UNIVERSITY TEACHING HOSPITAL

Renal cell carcinoma (RCC) is the most common renal malignancy in adults and is responsible for 85% of renal cancers in them. Most cases of RCC in developing countries like Nigeria are not amenable to surgery because most of them present late with advanced disease and metastasis.

CD70 overexpression has been associated with lymphocyte apoptosis which is one of the ways the tumour cells escape the immune system. The aim of this study is to determine the expression pattern of CD70 in different subtypes of RCC by immunohistochemistry and compare its degree of expression to normal renal tissues at the Lagos University Teaching Hospital (LUTH), Lagos State, Nigeria.

If CD70 overexpression is established, alternative treatment options including individual targeted anti-CD70 drugs, some of which are already in clinical trials, may be beneficial to patients with advanced stage RCC in Nigeria.