



Minimally Invasive Nephron Sparing Management of Renal Cell Carcinoma

Essay

Submitted for fulfillment of M.Sc. degree in
Surgical Oncology

By

Sameh Mohamed Samir

M.B.,B.Ch.

Faculty of Medicine, Cairo University

Under Supervision of

Prof. Dr. Gamal Amira

Professor of Surgical Oncology

National Cancer Institute

Cairo University

Dr. Reda Hasan Tabashy

Lecturer of Radiodiagnosis

National Cancer Institute

Cairo University

Dr. Ihab Samy

Lecturer of Surgical Oncology

National Cancer Institute

Cairo University

National Cancer Institute

Cairo University

Key Word :

Renal cell carcinoma - minimally invasive- laparoscopic - robotic - cryotherapy- radiofrequency-High intensity focused ultrasound- laparoendoscopic sigle site- Micowve.

Abstract

There are recent modalities for management of localized renal tumors either surgically or ablative mehtods. Surgery focuses on minimizing postoperative morbidity and scaring. Laparoscopic (conventional, rebotic-assited and hand-assisted), laparoendoscopic sigle site (LESS) partial nephrectomy is one of the recent trend for treatment of localized renal tumors, have markedly reduced the invasiveness compared with conventional open surgery. Recently, more conservative, ablative techniques for small renal tumors is increasing partly because more tumors are diagnosed in the elderly patients and mostly low grade , even many tumors are found to be benign, and some patients may also have renal insufficiency, solitary kidney or other co-morbidity at presentation requiring a more nephron-conserving approach