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## Role of computed tomography guided percutaneous biopsy in assessment of renal tumors

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**Objective:** To evaluate role of computed tomography (CT)-guided percutaneous biopsy in diagnosis of different renal tumors either benign or malignant masses.

**Patients & Methods:** 20 patients were included in this study, these patients were presented with renal tumor of indeterminate diagnoses according to the imaging modalities (US, CT or MRI), CT-guided percutaneous biopsy was performed to evaluate the nature of this renal tumor after pre and post contrast CT examination. Biopsy yield, complications and impact of patient's management were analyzed.

**Results:** The biopsy procedure was successful in all cases, the diagnostic capability of CT-guided percutaneous biopsy was (90%) with incidence of minor complications (5%). Non representative biopsy was demonstrated in 2 patients (10%) who underwent 2nd trial of biopsy.

**Conclusion:** The CT guided percutaneous biopsy can help in accurate and specific diagnosis of renal tumors with subsequent impact on their clinical management.

### Biography

Mohamed M El Barody is currently working as Assistant Lecturer, Department of Radiology, South Egypt Cancer Institute, Assiut University. His area of expertise, as a Professor credits him with many publications in national and international journals. His specialisation is mainly in the Field of Radiology and Nuclear Medicine.

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