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Radiological spectrum of renal hydatid disease: An Indian experience and pictorial review

Vinod Priyadarshi

IPGMER and SSKM Hospital, India

Introduction: Though hydatid disease is endemic in Indian subcontinent, renal involvement is rare. Since the serology remains negative in 50% cases, diagnosis is essentially radiological. However, imaging features of renal hydatid disease varies and correspond to evolutionary stages of the hydatid cyst.

Patients & Methods: Imaging features of different hydatid cysts of kidney encountered over the last three years have been analyzed retrospectively in accordance with Gharbi's classification system and compared with the available literature.

Results: Radiological appearance of renal hydatid cyst varies widely ranging from a cystic lesion to a completely solid one, depending on the stage of evolution of the disease and this may help in surgical decision making.

Conclusion: As high index of suspicion is required to diagnose a renal hydatid cyst and an urologist's familiarity with the imaging findings of the disease is very important for its early diagnosis and appropriate treatment.

vinod_priyadarshi@yahoo.com