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Chromophobe renal cell carcinoma arising from free wall of renal cyst: A rare case report

Abstract:

Introduction: Cystic renal cell carcinoma (CRCC) is an uncommon special subtype of renal cell carcinoma (RCC) associated with a low nuclear grade and stage and an excellent prognosis regardless of tumor size. Case presentation: A 65-year-old male presented with right flank pain of 2-month duration. Radical nephrectomy was done.

Discussion: There has been explanation of the four mechanisms that account for RCC with cystic features: Intrinsic unilocular cystic growth which results from intrinsic growth and comprises approximately 30 per cent of cases of cystic renal cell carcinoma and intrinsic multilocular cystic growth which consists of multiple variable sized, non-communicating, fluid-filled cystic spaces. Tumor can also originate in a preexisting simple renal cyst. Lastly tumor necrosis can result in cyst formation (pseudo cyst) in which cystic space is filled with necrotic debris and hemorrhage. **Conclusion and recommendation:** It is difficult to differentiate Cystic renal cell carcinoma from benign renal cyst and renal cell carcinoma. It is important to do evaluation and continuous follow-up on the management of simple renal cysts.

Biography

My name is **Natnael Amare Tesfa** and I was born on the 18th of October, 1996 in Metema, Ethiopia. I completed my bachelor's degree with a CGPA of 3.89/4 in 2019 and was hired as an assistant lecturer soon after graduation. In the next year, I started my master's degree in Human Anatomy at the University of Gondar, completing my postgraduate study as the top scorer in my batch with a CGPA of 3.93/4. Currently, I am working as a lecturer of Human Anatomy at Woldia University. In addition to my teaching responsibilities, I served as the coordinator for the Biomedical Department from December 2022 to this day. Over the past year, I have been actively engaged in conducting and publishing researches with my team. To date, I have been featured as the main author and co-author in 10 publications in internationally reputable journals