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Title: Primary renal mucormycosis in a Type II diabetic patient: A case report from Syria

Abstract:

Mucormycosis is an opportunistic fungal infection that primarily affects immunocompromised individuals. Renal mucormycosis (RM) is uncommon manifestation of the disease. Diagnosis can be challenging to many physicians. We report a rare case of primary, unilateral RM which triggered diabetic ketoacidosis in a type II diabetic patient. The case was later complicated with a bronchopleural fistula and a meropenem-resistant klebsiella infection. The patient was ultimately treated with surgical intervention, amphotericin B liposomal, and polymyxine E. Early diagnosis and timely treatment of this life-threatening disease and its complications is significant in reducing mortality rate.

Abbreviations: RM = renal mucormycosis; WBC = white blood cells; DK = diabetic ketoacidosis; DM-II = Diabetes Mellitus Type II; MSCT = multi-slice computed tomography; HE = histopathological examination

Biography

Ali Jawad is a sixth-year medical student at Damascus University. Originally from Lebanon, I am known for my dedication and hard work in everything I do. He prides myself on being a team player with strong communication skills that allow me to connect with others effectively. He has a natural curiosity and love for learning, always eager to absorb new information and gain valuable experiences in the medical field. Beyond my studies, He is deeply passionate about scientific research, volunteering, and personal growth. I believe in making a difference in my community and constantly seek opportunities to expand my knowledge and skills. He driven by a desire to contribute positively to the world around me and am always looking for ways to grow and develop personally and professionally. In essence, he is a motivated and ambitious individual who is not only excelling in my medical studies but also actively seeking ways to make a meaningful impact on those around.