

Diagnosis and Management of Basidiobolomycosis: A Comprehensive Review of Case Series and Reports

Mohammed Samannodi, MD, ABIM*

ABSTRACT

Basidiobolomycosis, especially gastrointestinal basidiobolomycosis, is challenging to diagnose due to its diverse and nonspecific manifestations, which can lead to misdiagnosis, delay in initiation of treatment, and increased risk of death. This review aimed to summarize the available literature on the diagnosis and management of basidiobolomycosis. This review showed that antifungal monotherapy was sufficient to manage most cases of subcutaneous basidiobolomycosis. However, combination antifungal therapy (mono or combination) with surgical intervention was used to treat most cases of gastrointestinal basidiobolomycosis. Itraconazole and voriconazole were the most used and effective antifungal treatments for basidiobolomycosis. However, in some cases that are resistant to treatment, deaths have occurred despite the use of medical and surgical treatment. Thus, more research is needed to develop a detailed therapeutic approach for this infection, especially in cases with comorbidities and/or treatment resistance.

Keywords: basidiobolomycosis; case reports; case series; management

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* Department of Medicine
College of Medicine, Umm Al-Qura University
Makkah 24382, Saudi Arabia.
Email: mssamannodi@uqu.edu.sa