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Gastro-intestinal basidiobolomycosis in the last ten years amongst children in Southern Iran

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Background: Gastro-Intestinal Basidiobolomycosis (GIB) is a rare fungal infection caused by *Basidiobolus ranarum*. Fewer than 50 cases of GIB were reported worldwide between 1964 and 2012 (During a 48 year period), which less than 20 of them have been reported from Saudi Arabia, Kuwait, Nigeria, USA, and Brazil. This study aimed at presenting GIB cases in southern Iran.

Materials and Methods: All patients who infected with GIB was studied during the last 10 years from the year 2009. A questionnaire was completed for the 18 infected cases who admitted in pediatrics wards. Patients' complaints, physical examination, clinical symptoms, abdominal sonography and pathology reports were investigated. SPSS software was applied to analyze the data.

Results: The mean(SD) age of the women was 5.06(±4.10) years. Fourteen (77.8%) of them were male and 4 (22.2%) were female. Abdominal pain was the most frequent

complaint that was reported by 83.3% of the patients and most of them had fever (66.7%). The most common impression on admission for majority of the patients was lymphoma.

Conclusion: Although GIB is a rare infection all over the world, the results in southern Iran showed it is not as rare as other countries. It should be considered in any child with chronic or sub-acute abdominal pain and mass to prevent delayed diagnosis.

Speaker Biography

Anahita Sanaei Dashti has completed her Pediatric Infectious Diseases Subspecialty in Shiraz University of Medical Sciences, Shiraz, Iran. She is the head of infection control unit of Namazi Hospital since 2012. She also has published about 48 papers in reputed journals and has been serving as an editorial board member of one Journal.

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