

Assessment limping and arthritis etiologies in patients admitted to Boali hospital from September 2019 to September 2021

Abstract

Background: Few studies have been done to diagnose the causes of limping and arthritis in children. It will be a step forward if we can determine the prevalence of different pathologies that cause limping and arthritis in children to base the diagnostic approach on more common clinical etiologies.

Aim: To evaluate the limping and arthritis etiologies in patients admitted to boali hospital from september 2019 to september 2021.

Materials and methods: In this cross-sectional study, the demographic and clinical information of 105 children hospitalized in Bo Ali Hospital with arthritis or limping from September 2019 to September 2021 were investigated. The diagnosis of arthritis and limping as well as the type of etiology was based on the opinion of a pediatric rheumatologist. The information of the patients, if they met the inclusion criteria, was obtained from the hospital records or through a telephone interview and entered into a researcher-made checklist.

Results: 70 patients (66.7%) were boys and 35 patients (33.3%) were girls. The average age of the patients was 7.4 ± 3.5 years. All patients had limping, and the most common etiologies were brucellosis (40.0%), juvenile idiopathic arthritis (12.4%), and osteomyelitis (11.4%). 83 patients (79.60 had arthritis, and the most common etiologies were brucellosis (36.1%), juvenile idiopathic arthritis (15.7%), and osteomyelitis (13.3%).

Conclusion: The results of this study showed that brucellosis, juvenile idiopathic arthritis, and osteomyelitis were the most common etiologies of limping and arthritis in children admitted to Bo Ali Hospital in Ardabil from September 2019 to September 2021. Knee, hip, and ankle were the most commonly involved joints, respectively. The frequency of septic arthritis in children less than three years old was significantly higher than in older children.

Keywords: Limping, Arthritis, Children.