



Annals of Pediatrics and Child Care

ISSN 2652-4473

Case Study

El-Baba F, et al. Ann Pediatr Child Care: APCC-100014

Cystic Fibrosis Presenting as a Chief Complaint of Recurrent Arthritis: An Atypical Presentation of a Common Disorder

El-Baba F^{1*}, Adams M² and Srivastava R³¹Department of Internal Medicine and Pediatrics, Wayne State University, USA²Department of Pediatric Rheumatology, Wayne State University, USA³Department of Pediatric Pulmonology, Central Michigan University, USA

*Corresponding author: Firas El-Baba, Department of Internal Medicine and Pediatrics, Wayne State University, USA, Tel: 2489530796; Email: felbaba@med.wayne.edu

Citation: El-Baba F, Adams M, Srivastava R (2020) Cystic Fibrosis Presenting as a Chief Complaint of Recurrent Arthritis: An Atypical Presentation of a Common Disorder. Ann Pediatr Child Care: APCC-100014

Received date: 18 July, 2020; **Accepted date:** 01 August, 2020; **Published date:** 07 August, 2020

Abstract

Arthritis is an uncommon complication of poorly controlled cystic fibrosis. Our patient is a 13-year-old Caucasian female who presented to the Children's Hospital of Michigan's Pediatric Rheumatology clinic with a primary complaint of relapsing and recurring monoarticular arthritis of the ankle over a 2-3-year long period. When reviewing her history, it is noted that she had chronic sinus congestion and a nasal polyp. On physical exam, she had significant clubbing of her fingers and toes. Her sweat test was positive and genetic testing confirmed the clinical diagnosis. Of note, aside from congestion she had minimal respiratory complaints. She was initiated on standard CF therapy and her arthritis resolved; therefore, confirming the diagnosis of CF associated arthritis.

Keywords: Cystic Fibrosis; Cystic fibrosis-related arthritis; Recurrent arthritis

Abbreviations

ANCA	:	Anti-neutrophil cytoplasmic antibody
BMI	:	Body mass index
CF	:	Cystic fibrosis
CFTR	:	Cystic fibrosis transmembrane conductance regulator
CFA	:	Cystic fibrosis associated arthritis
CBC	:	Complete blood count
FVC	:	Functional vital capacity
FEV ₁	:	Forced expiratory volume in one second
TBNK	:	T and B lymphocyte and natural killer cell profile

Citation: El-Baba F, Adams M, Srivastava R (2020) Cystic Fibrosis Presenting as a Chief Complaint of Recurrent Arthritis: An Atypical Presentation of a Common Disorder. Ann Pediatr Child Care: APCC-100014