



جامعة الفيوم
كلية الطب البشرى
قسم الأمراض الباطنة



ملخص بحث (البحث الرابع)

TITLE: Extraarticular manifestations of juvenile idiopathic arthritis and their impact on health-related quality of life

ABSTRACT

Objectives

The objective of this study is to investigate extraarticular manifestations (EAMs) in patients with juvenile idiopathic arthritis (JIA) and assess their impact on health-related quality of life (HRQoL) among these patients.

Methods: This cross-sectional analytic study was carried out on 117 patients with JIA. EAMs were identified clinically by history and examination. Sicca symptoms, peripheral neuropathy, enthesitis, and skin lesions were picked up during clinical examination. Pulmonary involvement was evaluated by high-resolution CT chest. Patients were assessed by abdominal ultrasonography to assess the size of liver and spleen. Atlantoaxial subluxation was evaluated by cervical spine x-rays. Patients were evaluated by Pediatric Quality of Life Inventory-4 (PedsQL-4) and PedsQL-3 arthritis module.

Results: The median age of patients was 14 years with a median disease duration 4 years, 82.9% were females. Of the studied 117 JIA patients, 85 patients (72.6%) had at least one EAM. Persistent fatigue (51.3%) was the most prevalent EAM, followed by recurrent skin rash (16.2%), enthesitis (15.4%), recurrent fever (13.7%), and uveitis (12%). Patients with EAMs scored significantly lower in physical functioning, emotional functioning, social functioning, and school functioning. Regarding PedsQL arthritis module, patients with EAM had also significantly lower scores than did patients without EAM on the domains of pain and hurt, daily activities, and worry.

Conclusions: EAMs are prevalent among JIA patients and have a negative impact on their HRQoL. So, early identification and treatment are highly recommended.

Keywords: Extraarticular manifestations, Health-related quality of life, Juvenile idiopathic arthritis

عميد الكلية
أ.د نجلاء الشربيني

رئيس مجلس القسم
أ.د محمد عبد الهادى مشاحيت