



POSTER PRESENTATION

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PReS-FINAL-2261: Prevalence of orofacial symptoms and signs in patients with juvenile fibromyalgia

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Introduction

Fibromyalgia may coexist with other clinical conditions such as temporomandibular disorders (TMD). Temporomandibular disorder is a term embracing clinical disorders that involve the masticatory musculature, the temporomandibular joints, and associated structures.

Objectives

The purpose of this study was to assess the prevalence of orofacial symptoms and signs in patients with juvenile fibromyalgia.

Methods

Twenty-eight consecutive patients (22 girls) who presented to our outpatient pediatric rheumatology clinic and fulfilled the ACR criteria of fibromyalgia were included in this study. All patients underwent a rheumatologic examination performed by a pediatric rheumatologist, and an orofacial examination performed by a single dentist at the same data. The patients were interviewed according to a standardized questionnaire concerning the presence of orofacial pain and functional impairment and were submitted to a clinical evaluation following a structured protocol.

Results

The mean age at the evaluation was 13 years (range 8- 18 years) and the mean follow-up time was 3.3 years (0.3 to 12). Orofacial symptoms were reported in 14 (50%) of patients. The most common subjective symptoms were impaired ability with chewing (50%), pain in function (28.6%), and pain at rest (17.8%). We found that the vast majority of our patients (89.3%) reported pain on palpation

in at least two of six sites in the orofacial region, but only 7 (25%) had pain during mandibular movements, and nobody had restrictions to open their mouths 40 mm or more.

Conclusion

Although palpation of the orofacial region is not included in the diagnostic criteria for fibromyalgia, a large number of juvenile patients presented with pain on palpation in this region. This study suggests the need for interdisciplinary strategies to effectively diagnose and treat this chronic condition.

Disclosure of interest

None declared.

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