E-Poster

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Legg-Calvé-Perthes Disease: Epidemiological Insights and Rehabilitation Approaches

Topic: Physical Modalities

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BACKGROUND

Legg-Calvé-Perthes (LCP) disease is an idiopathic osteonecrosis of the femoral head in children. The aim of this study was to describe epidemiologic and diagnostic characteristics of this disease and to bring back management particularities in our Physical Medicine and Rehabilitation (PMR) department.

METHODS

We listed medical records of children with LCP disease referred to PMR department of Taher Sfar hospital in Mahdia, Tunisia, in a six year period between 2018 and 2024. Age, sex, medical history, reason of consultation and time of diagnosis were analyzed. Clinical and radiograph signs were noted, and treatment modalities were recorded.

RESULTS

Thirteen patients diagnosed with LCP disease were included. Male patients were affected more than female patients with a sex-ratio of 2.3. The mean age was 6 years and 2 months with extremes from 3 years to 15 years. Most patients (80%) had a unilateral form. The constant consultation reason was lameness. The average diagnosis delay was 5.2 months; the extremes were 15 days and 18 months. The type III of Catterall classification was prevalent in 20% of patients. Easing of the hip, followed by discharge orthosis were the modalities of our treatment. Among children who were reviewed, 50% had an amendment of clinical symptomatology with a correction of radiographic signs. Thirty percent of patients presented some sequels, such as lower limbs length inequality.

CONCLUSION

Legg-Calvé-Perthes needs to be early diagnosed in order to plan a multidisciplinary management to limit functional sequel.

Statement of Disclosures

None

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