

The Current State of Issue of Radiology Osteochondropathy of Femoral Head (Literature Review)

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Abstract

Diagnosis of the hip joint pathology remains an urgent problem of childhood and adolescence. A wide range of pathologies, including dysplastic, dystrophic, inflammatory, tumor, oncological and post-traumatic diseases of the musculoskeletal system, leads to the continuous improvement of methods and techniques of radiation diagnosis [12]. The results of treatment are directly dependent on the stage of detection of the pathological process, which in turn helps prevent disabling consequences. According to Rosstat, in the structure of hip joint diseases in children and adolescents, the proportion of Legg – Calve – Perthes disease is 15 % [9]. Standard radiography of the hip joints in direct projection and Lauenstein is the main method for the diagnosis of aseptic necrosis. Destructive changes of the head and neck of the femur are reliably determined. However, the presence of a X-ray negative pattern in the first stage of the disease and the impossibility of detailed visualization of all the anatomical structures of the hip joint, dictates the need to improve the diagnostic algorithm for such a formidable pathological process.

Key words: Legg – Calve – Perthes Disease, Osteochondropathy.

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