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The clinical morphological changes of its assessment appeared in the exercises of total joint joint replacement

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Abstract: in post-traumatic coxarthrosis, clinical morphological changes are manifested by a number of signs due to the formation of a specific structure of the hip joint capsule and ligaments. In particular, the lateral femoral ligament (Bertini's ligament) is one of the joints involved in the formation of the joint capsule. Morphologically, it occurs with the development of coarse collagen fiber structures and chondromatous foci in the joints of the joint capsule and ligaments. It was indications against hip arthroplasty, based on these studied data, the production of palliative treatment tactics is improved.

Key words: morphology, capsule of hip joint, ligaments of hip joint, torsion behavior of hip.

Object and subject of the research: As an object of research, the capsule of the joint capsulotomy was taken during the endoprosthesis of the hip joint in 86 cases of post-traumatic coxarthrosis in the Department of Traumatology and Orthopedics of the multidisciplinary medical association of Khorezm region in 2019-2022. Morphological changes of the received joint capsule were analyzed.

Obtained results: Changes in the characteristic composition of the fibrous tissue and capsular ligaments (lig, iliofemorale, lig, pubofemorale, lig ischiofemorale, lig. capitis femoris) that make up the hip joint capsule were determined. In particular, post-traumatic coxarthrosis continues with the occurrence of destructive and degenerative changes in the anterior (lig, iliofemorale) and posterior (lig ischiofemorale) ligaments of the hip joint capsule.

In case of post-traumatic coxarthrosis, damage to the anterior and posterior ligaments of the joint capsule and the resulting changes depend on the biomechanics of the trauma and the duration of the process, mainly on the deformation of the

capsule as a result of the adhesion of the circular ligament occupying 3/2 of the front surface of the joint capsule to the joint capsule and the formation of dense spongy surfaces. and clinically proceeds with hip external rotation in case 3/2 and internal rotation of hip in case 3/1.

This process occurs depending on the patient's gender and constitutional structure and weight. It is the basis for the development of effective methods to eliminate the clinical symptoms that occur on the basis of morphological studies of the joint capsule. If there are contraindications for endoprosthesis in patients with post-traumatic coxarthrosis, it will allow to develop a palliative surgical practice in the hip joint based on a prospective analysis, taking into account the studied morphological changes.

Conclusion: The formation of rough fibrous structures chaotically located on the surface of the ligaments of the capsule of the hip joint, close to the synovial pocket on the anterior surface of the capsule, is explained by the development of chondromatous foci. It is the occurrence of chondromatous foci that develops with the accumulation of acidic mucopolysaccharides in the interstices and the occurrence of dystrophic dysregenerative processes in this area.

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