

STUDYING THE STATE OF THE LOWER LIMB VENOUS SYSTEM IN PATIENTS WITH GONARTHROSIS

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Relevance

Chronic venous insufficiency is one of the most common pathologies in the world. According to statistics, it occurs from 10-15% in men, 20-25% in women. The most common lesion of large joints is osteoarthritis. In Republic of Uzbekistan, up to 10% of the population suffers from it, mostly the elderly. Recently, more and more studies have appeared in the literature on the combination of these two pathologies. According to some studies, the addition of chronic venous insufficiency significantly affects the quality of life of patients with knee osteoarthritis.

Keywords: knee osteoarthritis, gonarthrosis, chronic venous insufficiency.

Purpose of the study

To study the condition of the veins of the lower extremities in patients with osteoarthritis of the knee joints.

Research methods

The study was conducted on the basis of RSS and PMCT and MR for the period from 2021-2022. The material of the study was only 30 male and female patients with signs of chronic venous insufficiency and osteoarthritis of the knee joint aged 50 to 75 years. Patients were previously diagnosed with osteoarthritis of the knee. The study of the knee joint was carried out according to the standard method. When evaluating the results of the study, the Kellgren-Lawrence radiological criteria for arthrosis were taken. To determine the presence of chronic venous insufficiency, all patients underwent duplex scanning of the veins of the lower extremities with a mandatory assessment of the presence of deep vein damage, the state of the valvular system, and the presence of incompetent perforator veins. The studies were carried out according to the standard method in the supine and standing position, with the performance of functional tests. Duplex scanning of the veins of the lower extremities was performed using the Siemens Acuson X300 device. The severity of chronic venous insufficiency was assessed by the CEAP scale, the severity of manifestations of gonarthrosis was assessed by the

WOMAC functional index, VAS was assessed by the need for non-steroidal anti-inflammatory drugs. The results were processed using Microsoft Excel 2003.

Results

Out of 30 patients with gonarthrosis, 25 (83%) patients had pathology of the veins of the lower extremities. Of these, 18 patients were diagnosed with varicose veins (of which 4 patients had newly diagnosed varicose veins), and 7 patients had post-thrombophlebitic syndrome. This allows us to conclude that more than half of patients suffering from osteoarthritis of the knee joint have chronic venous insufficiency of the lower extremities, which indicates a high frequency of the combination of these pathologies. As a result of the study, when collecting an anamnesis, it was revealed that in 18 patients (60%) out of 30 patients, gonarthrosis soon joined in the course of a long-term disease of the veins of the lower extremities.

Conclusion

Thus, it was found that gonarthrosis and chronic venous insufficiency often have a combined course. When examining the veins of the lower extremities in patients with osteoarthritis of the knee, more than half of the patients found chronic venous insufficiency.