



Ultrasound Study in Patients with Gonarthrosis, Previous and Post-treatment with Stem Cell Implantation

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ABSTRACT Through sonographic study, joint and peri-articular structures can be visualized quickly. This advantage has allowed its use as a guide in infiltration with stem cells in patients with gonarthrosis. However, it is necessary to evaluate over time, the subjects who have received this treatment, for this the researchers set themselves the objective: Identify the sonographic modifications that present subjects with gonarthrosis, before and after applying therapy with stem cells. A longitudinal, quantitative and non-experimental study was carried out on 30 subjects with gonarthrosis, who were evaluated sonographically before and after one year of having received treatment with stem cells. As results were found prior to treatment, high incidence of intra-articular effusion, echographic changes of articular cartilage, osteophytes and popliteal communicating cysts, after one year, there was a significant decrease in intra-articular effusion, popliteal cysts, and clinical improvement, not evidencing changes in bone structures.