

TREATMENT OF PATELLOFEMORAL CHONDROPATHY WITH MD-KNEE AND ZEEL T TRANSMITTED WITH OXYGEN INFUSION. COMPARISON WITH ORAL ADMINISTRATION OF NAIDS AND CHONDROITIN SOLFATE.

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analysis was performed with the Student test.

The mode and purpose of the study were explained to the patients and informed consent was required.

The drug T-Zell-KNEE / MD and collagen were conveyed by using oxygen (pure up to 98% and at a pressure of 2.5 ATM) propulsion, by means of a handpiece positioned on the skin. The treatment occurred once a week for 12 weeks for a total of 12 doses against daily oral administration of Nimesulide and Chondroitin. Patients were also assessed from an anthropometric point of view, to determine adipose mass and body mass index (BMI).

INTRODUCTION

The aim of this study is to evaluate the effectiveness of a physiotherapy treatment, using a new technique: the infusion of high pressure oxygen, 2.5 atm, for transmitting Zell-T and collagen in patients with Patellofemoral Chondropathy. Comparison with oral administration of NAIDs and Chondroitin Sulfate.

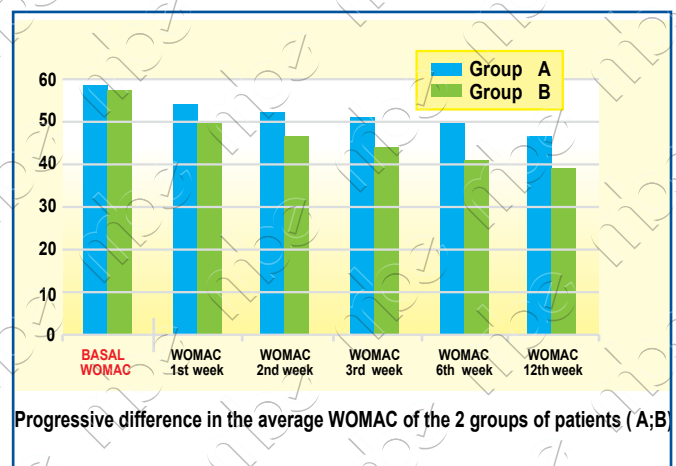
MATERIALS USED

Drugs: Zell T and Collagen MD KNEE of Guna Medical device: Oxy Xtra Med, Maya Beauty Engineering s.r.l.

METHOD

The patients, divided in two groups of twenty individuals, received a questionnaire for evaluating the level of disability deriving from the Chondropathy. To determine the level of pain, function and stiffness of the lower limbs, two indexes were used: the WOMAC (Western Ontario McMaster) index and the Lequesne scale for functional limitation (Tables 1, 2, 3 and 4).

This evaluation was performed before the first treatment and after 1, 2, 3, 6 and 12 weeks. Statistical



RESULTS

The results were evaluated with Student T and the results are statistically significant at $p < 0.0001$ both with the WOMAC index scale of pain, stiffness and joint function and with the Lequesne scale which assesses an algo-functional index.

It's important to underline the absolute lack of side effects in the group treated with oxygen infusion, as well as the low cost of treatment compared to the group treated with oral medications.