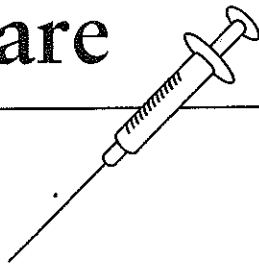


Topics di Terapia Intra-Articolare



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Efficacy and safety of collagen injection GUNA MDs in osteoarthritis treatment of knee.

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Introduction: Collagen is the most abundant protein in human body 1/4 of the whole protein mass of higher mammals is composed of collagen: bone and tendons, joint capsules and muscles, ligaments and fascia, teeth and serous membranes, skin and extracellular matrix.

To evaluate change in degree of pain at rest and movement in Gonarthrosis before and after treatment with GUNA MD-KNEE + GUNA MD-MUSCLE

To evaluate change in Lequesne Index before and after treatment

To evaluate efficacy of the GUNA MDs in Gonarthrosis by patient and by physician

Methods: 36 patients were monitored:

- Male – 13
- Women – 23
- Age 55-70 years
- Case history, rheumatologic examination and proving of Gonarthrosis, X-ray stage 2 or 3, without swelling
- Exclusion of inflammatory joint and SCCTD, gout, malignancy
- Intra-articular injection in knee for gonarthrosis with: GUNA MD-KNEE (10 amp.) + GUNA MD-MUSCLE (10 amp.)
- Complete a questionnaire by the patient and assessment by physician:
- Before treatment
- on week 8th (at the end of treatment)
- on day 90th (30 days after treatment)

Results: More than 3 times decreasing of the average score of pain at rest and of treatment as good effect kept 30 days after withdrawal of therapy ($p = 0.000$). Approximately 2-fold decreased the average score for pain in movement compared to the initial, as the reduction continues within the month after stopping treatment ($p = 0.000$). The average score for night pain decreased more than 2.5 times on the third visit, compared with the initial ($p = 0.001$). The average score for pain on standing decreased 3.5 times on the third visit, compared with the initial ($p = 0.000$). The average score for pain in walking distance decreased 1.5 times on the third visit, compared with the initial. The average score for completion of other activities decreased 1.4 times on the third visit, compared with the initial.

Conclusion: Intra-articular application of GUNA-MDs in Gonarthrosis significantly affects pain at rest, pain in movement and functional activity of patient. GUNA-MDs are highly effective in all patients. No side effects were reported in GUNA-MDs treatment.

Effects of single high molecular weight sodium hyaluronate in osteoarthritis of knee.

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Introduction: Osteoarthritis (OA), is a common degenerative musculoskeletal disease occurring in approximately 10% of people aged 55 years or older. In those patients having an inadequate response to pharmacological treatments available on the market, (topical/systemic NSAIDs, or simple analgesics) or a contraindication to these therapies, consideration may be given to the use of intra-articular (i.a.) hyaluronic acid (HA). In Knee OA, HA dosing regimen vary between 1 to 5 i.a. injections. While most of Physician believe single i.a. HA injection is adequate just injecting very high molecular weight (MW) cross-linked HA products (due to their longer residence time), long lasting duration of single i.a. injection of linear HA has never been evaluated in actual practice. The present study aims to evaluate the use of single intra-articular injection of a high MW (1500-2000 kDa) naturally linear HA, in patients suffering from knee OA.

Methods: One hundred and sixty-eight patients with mild to moderate OA of the knee were enrolled to receive one i.a. ultrasound image-guided injection of 4 ml Sodium Hyaluronate (HyalOne) and were follow-up for 24 weeks. The primary efficacy outcome was the change from baseline to week 24 in patient's pain perception using a 100 mm visual analogic scale (VAS). Additional outcomes included VAS, Western Ontario

