

COMPARATIVE EFFICACY OF THREE RADIOFREQUENCY TECHNIQUES IN THE TREATMENT OF CHRONIC KNEE OSTEOARTHRITIS PAIN

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OBJECTIVE

Our goal is to compare the efficacy of three radiofrequency guidelines for the relief of pain in patients with osteoarthritis of the knee.

METHODS

30 patients divided into 3 groups were included. In group A, 9 patients with intra-articular knee pain were treated with pulsed radiofrequency. In group B, 10 patients were treated for geniculate nerve through thermal radiofrequency and in group C both procedures were combined (pulsed intra-articular radiofrequency and thermal radiofrequency). In all cases an insulated 20 G needle with a 5 mm active tip of Neurotherm was inserted under fluoroscopic guidance. In all patients the initial pain intensity was registered and followed up by a simple verbal scale of 15, 30 and 90 days after radiofrequency.

RESULTS

Comparative Intraarticular vs Genicular vs Genicular + Intraarticular

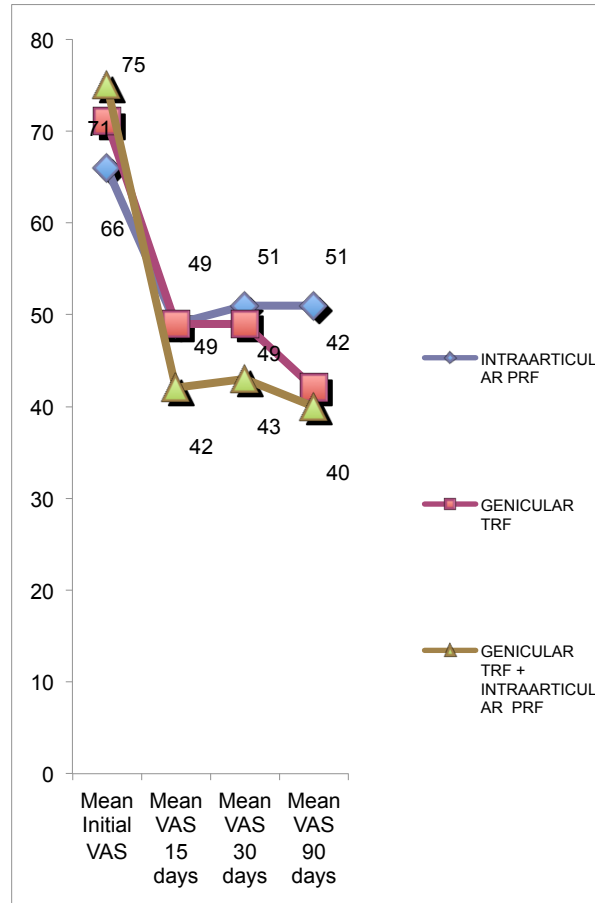


Figure 2: Graphic Comparative geniculate vs geniculate +intraarticular.

RESULTS

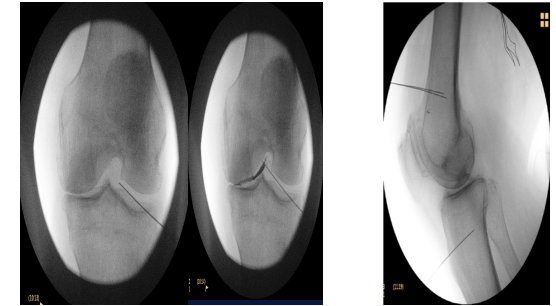


Figure 1: Radiofrequency techniques.

CONCLUSIONS

Although initially all groups experienced significant relief, patients treated with genicular nerves radiofrequency, alone or combined with intra-articular radiofrequency, felt better pain relief after three months of completion of these techniques than with intra-articular radiofrequency alone.

BIBLIOGRAPHY

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