Clinical Application of Ion Radiofrequency Deep Regional Hyperthermia in Senile Knee Osteoarthritis

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Objective
To investigate the treatment efficacy of deep hyperthermia for senile knee osteoarthritis.

Methods
60 cases of senile knee osteoarthritis patients were randomly divided into treatment group and control group. Treatment group: received radiofrequency deep hyperthermia treatment for 30 times. Control group: routinely received oral Non-Steroidal Anti-Inflammatory Drug - Ibuprofen capsules and Calcium Carbonate and Vitamin D3 for 30 days. Analgesic efficacy was observed, and joint function was evaluated.

Results
All patients treated were followed up for 3 months, the total effective rate of the treatment group was 96.7% and the control group, 70%, the total treatment efficacy of the treatment group was significantly higher than the control group, the difference was statistically significant (P <0.05).

Conclusions
The radiofrequency deep regional hyperthermia is a simple, noninvasive, safe, non-toxic and effective treatment method for treating senile knee osteoarthritis, it can improve the life quality for the elderly patients and is worthy further promotion.

Keywords
Radiofrequency deep hyperthermia; Elderly; Knee osteoarthritis