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온 종합병원 신경과

Intramuscular Stimulation (IMS) for Pain Management

Sang Wook Ha, MD

Department of Neurology, On hospital, Busan, Korea

Since Gunn introduced the effect of Intramuscular stimulation (IMS) in 1980, IMS has been used widely for pain control. Gunn assumed that myofascial pain syndrome is the result of peripheral neuropathy or segmental radiculopathy, defined as a condition that causes disordered function in the peripheral nerve.

The theoretical background of segmental radiculopathy is Cannon and Rosenblueth's Law of Denervation Supersensitivity.

So the goal of IMS is desensitization of super-sensitized structure through needle insertion and mechanical stimulation rather than pain control.

IMS is safe and can be a innovative method for treating pain. As neurologist we can use IMS in many ways such as Headache, post-herpetic neuralgia and carpal tunnel syndrome.

Key Words: IMS, Segmental radiculopathy, Desensitization

Sang Wook Ha, MD

Department of Neurology, On hospital, 721, Gaya-daero,
Busanjin-gu, Busan 47261, Korea

Tel: +82-51-607-0262 Fax: +82-51-607-0220

E-mail: satisfyu@naver.com