

# Percutaneous Neurolysis with Continuous Radiofrequency Energy for the Treatment of Symptomatic Sacroiliac Joints: Study of Clinical Safety and Efficacy

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## Abstract

**Aim:** To prove safety and efficacy of percutaneous neurolysis with continuous radiofrequency energy for the treatment of symptomatic sacroiliac joints in a series of consecutive patients.

**Materials and methods:** During the last 2 years, 15 patients suffering from low back pain due to degenerative disorder of the sacroiliac joint underwent percutaneous neurolysis with continuous radiofrequency energy. Under extended local sterility and fluoroscopy 4 cannulas were placed along the sacral foramina and at the L5- S1 level and neurolysis session was performed post motor and sensory evaluation test. NVS pain scores prior and post therapy were compared using Paired Samples t-Test and Wilcoxon Signed Rank Test.

**Results:** Mean pain score prior to any therapy was  $8.05 \pm 1.449$  NVS units. Mean pain score post therapy was  $2.37 \pm 2.715$ ,  $2.42 \pm 2.754$ ,  $2.70 \pm 2.928$  and  $3.55 \pm 2.837$  NVS units at 1, 6, 12, 24 months. The comparison of the patients' selfreported outcomes concerning pain reduction and mobility improvement prior and post therapy is statistically significant ( $p < 0.001$ ). No complication was noted.

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## Biography

DK Filippiadis is an associate professor at University General Hospital, Greece.