



Neural Prosthesis Seminar

"Cranial Neurostimulation for Chronic Pain"

December 16, 2011 • 8:30 AM

Biomedical Research Building • BRB 105

Case Western Reserve University



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Abstract:

Chronic pain is a very common problem in the population. Its frequency, direct costs and indirect costs are much greater than those of movement disorder. Neurostimulation is frequently implemented to treat chronic pain, mostly in the form of spinal cord stimulation. This FDA approved modality has a few well established industry suppliers and can help a significant number of patients with complex regional pain syndrome as well as post laminectomy syndrome. However, there are many non-responders to SCS as well as a multitude of pain disorders that cannot be treated with this modality.

Cerebral neurostimulation as well as stimulation of cranial nerves has been attempted by several groups for the management of complex facial pain syndromes as well as central pain. The results have been varied. We will discuss the current state of neurostimulation for central pain and craniofacial pain syndromes, including deep brain, cortical and peripheral stimulation approaches. Current and emerging concepts will be discussed as well as technological limitations.

For more information, please contact Cathy Naples at (216) 707-6490.

Live stream video link for each lecture at www.FEScenter.org/Seminar





