Radiofrequency (RF)

Radiofrecuency is a rate of oscillation in the range of around 3 kHz to 300 GHz, which corresponds to the frequency of radio waves, and the alternating currents which carry radio signals. RF usually refers to electrical rather than mechanical oscillations; however, mechanical RF systems do exist.

Radiofrequency facet joint denervation

Radiofrequency facet joint denervation

Radiofrequency neurotomy

Radiofrequency neurotomy.

Pulsed radiofrequency

see Pulsed radiofrequency.

Radiofrequency rhizotomy

See Radiofrequency rhizotomy

Radiofrequency thermocoagulation

See Radiofrequency thermocoagulation

A electrode is placed

After confirming target location by electrical stimulation is then heated to 80 $^{\circ}$ C (176 $^{\circ}$ F) for 60 second.

Examples

Pallidotomy

Books

Radiofrequency Treatments on the Spine

From Springer

List Price: \$79.99

This book describes the principles and applications of radiofrequency treatments for various spinal indications, including disc herniation, discogenic and radicular pain, facet joint arthropathy, and benign and malignant lesions of the vertebral column. The aim is to provide a handy guide that will acquaint readers with all aspects of radiofrequency neurotomy at different levels of the spine, enabling them to carry out treatments effectively and safely.

Radiofrequency neurotomy, or radiofrequency ablation, is a minimally invasive procedure that is associated with a reduction in complications, side effects, and risks of anesthesia as well as with lower costs. This book, written by world-renowned authorities in the field, fills a significant gap in the literature by specifically focusing on the use of radiofrequency for spinal conditions. It will be of value to a range of specialists, including interventional neuroradiologists and radiologists, neurosurgeons, and orthopedists.

Product Details Published on: 2017-02-22 Original language: English Number of items: 1 Dimensions: 10.00" h x .0" w x 7.00" l, .0 pounds Binding: Hardcover 109 pages Editorial Reviews From the Back Cover This book describes the principles and applications of radiofrequency treatments for various spinal indications, including disc herniation, discogenic and radicular pain, facet joint arthropathy, and benign and malignant lesions of the vertebral column. The aim is to provide a handy guide that will acquaint readers with all aspects of radiofrequency neurotomy at different levels of the spine, enabling them to carry out treatments effectively and safely.

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Luca Saba research fields are focused on Multi-Detector-Row Computed Tomography, Magnetic Resonance, Ultrasound, Neuroradiology, and Diagnostic in Vascular Sciences. His works, as lead author, achieved more than 160 high impact factor, peer-reviewed, Journals as American Journal of Neuroradiology, Atherosclerosis, European Radiology, European Journal of Radiology, Acta Radiologica, Cardiovascular and Interventional Radiology. Dr. Saba has won 15 scientific and extracurricular awards during his career. Dr Saba presented more than 500 papers and posters in National and International Congress (RSNA, ESGAR, ECR, ISR, AOCR, AINR, JRS, SIRM, AINR). He wrote 21 book-chapters and he is Editor of 8 books in the field of Computed Tomography, Cardiovascular, Plastic Surgery, Gynecological Imaging and Neurodegenerative imaging. Permanent link: https://neurosurgerywiki.com/wiki/doku.php?id=radiofrequency

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