



ADVANCED PAIN CENTERS: Helping you evolve to a pain free state.

HYBRID NEUROSTIMULATORS

Peripheral Nerve Field Stimulation (PNFS) &

DORSAL COLUMN STIMULATOR (DCS)

COMBINED

Phone: (847) 608-6620 Toll Free: (877) 964-7246

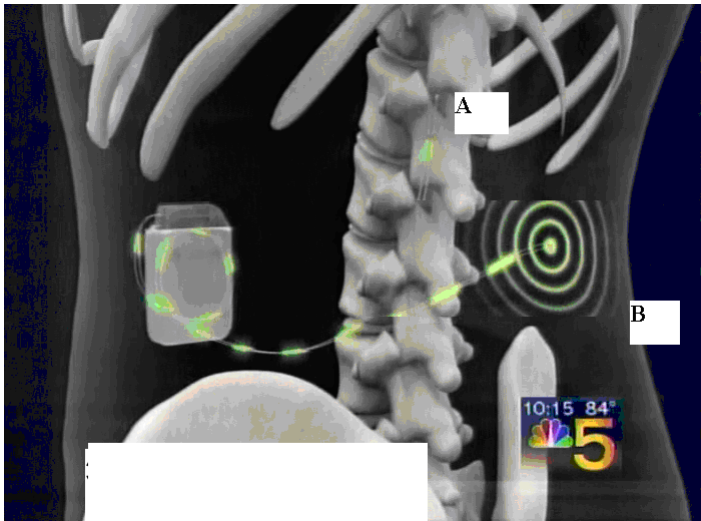
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How is the implant actually done ?

Trial Phase, or Phase I: This may be done in the office suite or in an operating room. The patient reports the location of the pain to be treated and those sites are carefully marked. Next, the leads (or electrical tubes) are placed under the skin using special needles. The needles are removed and the leads are sutured to the skin, no incisions are made. X-rays of the lead location are taken. The patient goes home with those leads and an external power source that is controlled by the patient, the trial lasts 1 to 4 weeks. At the end of the phase the leads are removed.

Permanent Phase , or Phase II

The patient is brought to the operating room and the permanent leads are placed in the same location as Phase I, by using previous x-rays. Up to 4 leads can be placed (1 to 2 in the epidural space for leg pain and 1 to 2 in the sub q area for the back pain). One to three incisions of up to an inch each are made to place the leads. Then, the leads are tested during the surgery, to verify good stimulation of the correct sites. Next, another incision is made and the IPG or the power source is placed under the skin and all electrical connections are secured, See Figure. Lead A is in the epidural space (for the leg) and Lead B is Sub Q (for the back).



NEUROSTIMULATORS

Hybrids

Peripheral Nerve Field Stimulation (PNFS) and Dorsal Column Stimulator (DCS) Combined

PNFS is a relatively recent development in the treatment of chronic low back pain. **DCS** has been used since 1968 for leg pain. Our physicians were the 1st in the world to report success using this combination. Their paper was presented in 2008 in Italy and Canada. APC team was the one that coined the term hybrid neurostimulator.

What do patients need to do to have it done?

Step #1: Patients are selected for this procedure when no other pain control approaches are likely to work and /or the patient is not a surgical candidate

Step #2: Patient undergoes a psychological evaluation; this is a state requirement .

Step #3: Insurance coverage is verified, this may be the longest step .

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