

SOME INDICATIONS:

- Radiculopathies -
- Cervicobrachialgie -
- Backaches -
- Lumbosciatalgia -
- Sciaticas -
- Radicular and FBSS injuries -
- Neuralgias / Post Herpetic Neuralgias -
- CPRS -

VOYAGER

| Ref. | Length | Diameter | Connector | Electrode |
|-----------|--------|----------|------------------------|-----------|
| VA3540-BC | 35 cm | 4 Fr | Cosman | Bipolar |
| VA3540-BB | 35 cm | 4 Fr | Baylis | Bipolar |
| VA3540-BN | 35 cm | 4 Fr | Neurotherm | Bipolar |
| VA3540-BO | 35 cm | 4 Fr | OWL (Diros Technology) | Bipolar |
| VA3540-BT | 35 cm | 4 Fr | TherMedico | Bipolar |
| VA3540-MC | 35 cm | 4 Fr | Cosman | Monopolar |
| VA3540-MB | 35 cm | 4 Fr | Baylis | Monopolar |
| VA3540-MN | 35 cm | 4 Fr | Neurotherm | Monopolar |
| VA3540-MO | 35 cm | 4 Fr | OWL (Diros Technology) | Monopolar |
| VA3540-MT | 35 cm | 4 Fr | TherMedico | Monopolar |

GET

| Ref. | Description |
|--------|--|
| IA091S | GET - Sacral Epidural Introducer 91mm x 14 G |
| IA091C | GET - Cervical Epidural Introducer 91mm x 14 G |



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Epidural Steerable Multifunctional Bipolar Electrode for Radiofrequency Treatment



Pulsed radiofrequency
Stimulation - Infusion

KOÇLEK MTC





Bipolar Multifunctional Epidural Electrocautery with Steerable Active Tip, designed for Electrical Stimulation, for pulsed radiofrequency epidural spinal neural structures (spinal nerves, dorsal nerve roots and the respective posterior dorsal ganglia) and pharmacological treatments. Electrocautery is designed for chronic neuropathic painful pathologies treatment of the epidural space.

The electrocautery is inserted through an introducer needle into the epidural space via hiatus sacral channel or via infraforaminal way. The electrocautery is connected to a Radiofrequency Generator in stimulation modality and pulsed PRF Radiofrequency.

In the bipolar version, the two opposite sign electrodes located into the electrocautery tip, associated to the generator, allow to generate an electrical bipolar field, that interrupts the nervous stimulus conduction inhibiting pain transmission. Bipolar electrical field avoids the electrocautery plates or active electrode cannula use, with the advantage that the current flow is optimized and the energy is not dissipated but is concentrated in the area to be treated, ensuring Electrical Stimulation and a more precise and selective Radiofrequency.

MULTIFUNCTIONAL

- (Motor and Sensor) Stimulation of dorsal nervous structures, directed to the research and the correct identification of the pain origin, to get an accurate and a correct positioning of the tip, to identify the nerve roots to be treated with PRF
- Pulsed Radiofrequency Treatment (PRF) on several levels of spinal and dorsal nerve structures.
- Spinal cord stimulation (Cord - Radicular)
- Pharmacological treatments by selective drugs infusion on the target to be treated in the spinal canal or contrast liquids infusions.
- Treatment for periduralitis, or adhesions lysis by epidural way, adhesiolysis percutaneous decompression and epidural fibrosis, with electrical evocation tests.

HANDLE

- Ergonomic
- The Orientation mechanism of the tip to facilitate the navigation and the advancement of the electrocautery into the epidural space, even in the presence of fibrous tissue, for a faster and precise achievement and positioning of the active tip in the target to be treated with Stimulation, Radiofrequency and subsequent selective drugs injections. Furthermore, it allows the possibility of treating in the same operative session, complex unilateral and bilateral diseases, even on multiple levels.
- Reduction of the times, greater effectiveness of the treatment and a safer therapeutic result.
- Block system of the tip. The system prevents the displacement of the electrocautery tip once it is positioned on the target to be treated.

CONNECTOR

- Direct connection of the electrocautery to the various Radiofrequency Generators, without the aid of adapters. Absence of Cold Joints.
- Dedicated connector for each different Radiofrequency Generator

SPINDLE
Presence of block valve to prevent its displacement

INFUSIONAL WAY

- Presence of a dedicated lumen for drug infusions
- Possibility to proceed to infusion even in the presence of the spindle inserted inside the electrocautery

Targeted and selective infusion of drugs on the target to be treated

- Bipolar electric field generated by two opposite sign electrodes
- Presence of a Thermocouple Sensor for continuous monitoring and measurement of the temperature in the tip

Radiopaque and flexible electrocautery body. Presence of centimeter markings

Radiopaque flexible, soft, atraumatic, radiopaque and orientable tip

INTRODUCER "GET"

- Sacral and cervical access
- Radiopaque in plastic Braider material, reinforced with special reinforced atraumatic tip, which resets the possibility of injuring the catheter

Infusional way with specific extension cable

