

°AirRay Helix Cuff Electrode

HOW TO HANDLE A HELIX CUFF

The °AirRay Helix Cuff is an electrical interface to the peripheral nervous system. To perform recordings or stimulation, the electrode must be connected to an amplifier or a stimulator, respectively.

PREPARATION

Dry silicone tends to stick to different surfaces. To prevent tearing of the cuff insulation or contact material, it is necessary to break the “dry adhesion” by dipping the cuff in alcohol (e.g. ethanol) before opening. Good lubrication is also important when removing the cuff from its packaging.

To ensure proper electrical contact, rinse or dip the cuff electrode in sterile ethanol followed by a bath in sterile Ringer’s solution (or equivalent) for minimum of 5 minutes before use.

Do not compress the electrode. This can lead to loss of electrical contact.



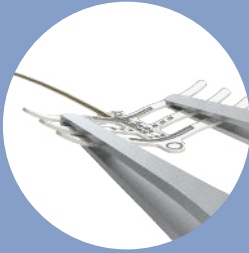
IMPLANTATION

1.



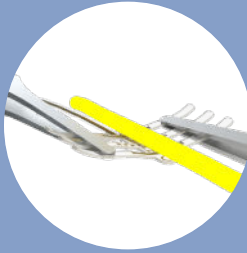
The cuff electrode is delivered wrapped around a metal pin to prevent the silicone from sticking together, ensure safe transportation and to ease usage.

2.



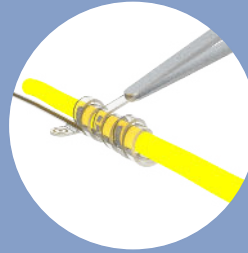
Only use flat tweezers to gently open up the cuff electrode and to remove the metal pin.

3.



Place the open cuff at the implantation site without significant stretching of the flaps. Now slowly release the grip of the individual flaps one after the other.

4.



If necessary, adjust the position of the individual flaps.

5.



Use sutures to secure the position of the cuff. The Helix Cuff is now ready for use.



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