



°AirRay Spiral Cuff Electrode

HOW TO HANDLE A SPIRAL CUFF

The °AirRay Spiral Cuff is designed to provide an electrical interface to the peripheral nervous system.

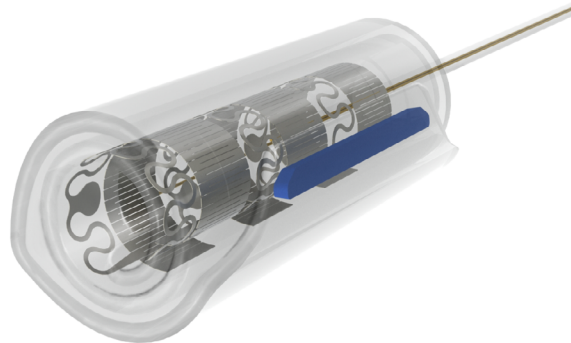
To ensure that the nerve will not escape the electrode we suggest to design spiral cuffs with approximately 2.5 turns around the targeted nerve diameter. This will also help to avoid electrical insulation issues for example caused by connective tissue growing into the electrode.

PREPARATION

In dry state, silicone rubber can be very sticky, which may lead to strong adhesion. To avoid ripping at the internal cuff wiring's insulation or the contacts, it is necessary to disrupt the 'dry adhesion' by dipping the cuff in alcohol (e.g. ethanol) before opening it.

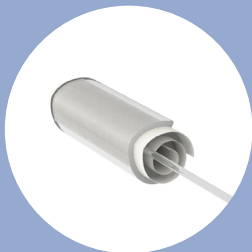
To ensure the electrical contact, the cuff electrode should be rinsed or dipped in sterile ethanol followed by a bath in sterile Ringer's solution (or equivalent) for minimum of 5 minutes before first contact.

Do not compress electrode. This may lead to the loss of one or more contact connections.



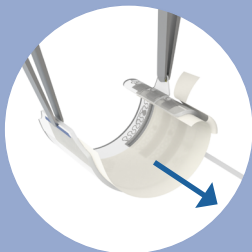
IMPLANTATION

1.



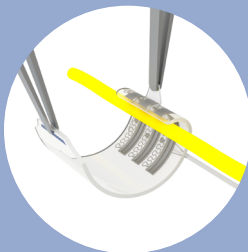
The cuff electrode is delivered with a PTFE foil to prevent the silicone from sticking and to ease usage.

2.



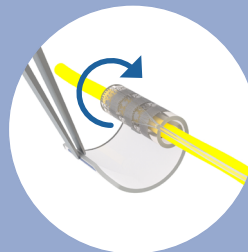
Only use flat tweezers to gently open up the cuff electrode. Remove the PTFE foil.

3.



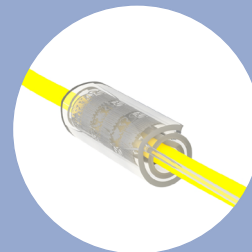
Place the open cuff at the implantation site. Slowly release the flap side of the cuff.

4.



Gently wrap the rest of the cuff around the nerve.

5.



The spiral cuff is fully wrapped around the nerve and is ready for use.



CorTec
Thinking ahead

www.cortec-neuro.com
sales@cortec-neuro.com
+49 (0) 761 70 888 222