

INSTRUCTION FOR USE

IOM electrodes Corkscrew

DESCRIPTION

The corkscrew CS-F electrode permits monitoring of bio-electrical potentials with low electrode impedance. The special bevel of the needle permits easy penetration of the skin and its corkscrew design makes the electrode self-retaining. The conduction lead is constructed of kink-resistant wire that is attached to a standard DIN 42082 connector. The CS-F electrode is a disposable device.

INDICATIONS

This self-retaining needle electrode is indicated in patients who require serial recording or continuous monitoring of electrophysiological activity such as the electroencephalogram or evoked responses from the visual, auditory, or somatosensory systems. Placement of the electrode is best tolerated by anesthetized, narcotized, or comatose patients. The electrode is especially useful for monitoring from the scalp during neurosurgical procedures because it can be placed within the sterile field.

PRECAUTIONS

The CS-F electrode should be connected only to electrically grounded equipment approved for medical and hospital use. The electrode should be used with appropriate caution in patients who are at high risk for bleeding and infection. Prior testing of hemostasis function is advisable in patients who may have bleeding disorders related to underlying disease, anticoagulant or anti-platelet drugs. If electrodes are left in place in excess of four hours, regular inspection of each puncture site for signs of infection is indicated. CS-F electrode is NOT intended to re-use.

DIRECTIONS FOR USE

Check the expiration date on the electrode packaging and verify that the sterilized packaging is intact. Follow local site procedures and discard any packages that have expired, or are not sealed and intact. Inspect electrodes for wear or damage prior to use. If electrode wire, termination, or surface area is worn, discard the electrode following approved procedures for disposal of medical sharps.

The skin should be cleansed with antiseptic solution. The knob end of the electrode is grasped between the thumb and finger and the CS-F needle should be placed against the skin. The knob is rotated in a clockwise motion of one-half to one full turn to advance the spiral needle through the skin. The DIN 42082 connector is plugged into the appropriate input channel of the electrical recording equipment. The electrode should be discarded after use. Use small pieces of tape to secure the needle at the insertion site and against the skin to minimize any movement of the lead cable during testing. This helps to minimize signal artifact and noise.

HOW SUPPLIED

Sterile packages of 6 or 24 electrodes, with 100-150 cm leads in assorted colors.

Manufactures exclusively by SGM.