

Anesthesia depth multi-parameter monitor operation guide

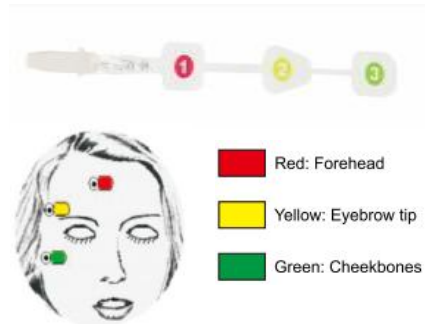
1. Press and hold the power on key for 3 seconds to turn on, At the same time, the indicator light in the upper left corner of the machine is green, and the indicator light is off after startup.
2. Anesthesia depth sensor location : As shown on the right

Red - Forehead

Yellow - Eyebrow tip

Green - Cheekbones

(The more prominent parts of the skull of the whole brain can be affixed, and the effect of collecting brain waves will be better in the place where the bones are prominent)



3. Sensor operation procedure :

3.1 Clean the skin with a saline solution or a medical cleansing cream.

(Do not use alcohol to clean the skin)

3.2 Place the electrode sheet of the sensor in the position corresponding to the color on the right.

3.3 Press the outer edge of the electrode sheet so that it makes good contact with the skin.

3.4 Press the center of each electrode slightly hard.

Notes : The best way to attach electrodes is : ③-②-①



4. Sensor connection (As shown on the right) : Insert the back of the sensor in line with the symbolized side of the lead connector.(Secure the plug with tape after connection)
5. Observe the impedance value, the electrode impedance value should not exceed 5, and the impedance difference between the two electrodes should not exceed 2. If the resistance value of the electrode is too high (the impedance value is 15), clean the skin again or change the position of the electrode.
6. The anesthesia depth index was controlled at about 35-40 during induction of intubation. During surgery, the value remained around 40-60. The value is above 70, and the consciousness of patients gradually recovers, and the value is around 80, which can awaken patients.



7. During induction of intubation, the analgesic index was controlled at about 35-45, and during operation, the value was maintained at about 35-65.

Notes : When the depth of anesthesia is deep enough (sedation value is about 45), the analgesic value is meaningful.

8. During induction of intubation, the value of myoelectric index should be controlled below 30, during surgery, the value should be maintained below 20 and the value should be above 70, and the patient is breathing on his own.



Q&A

1. Electrode impedance value is too high (value 15) or no data or high data :

1.1 The patient's skin was not properly treated.

◎ Old people have wrinkled skin and thick stratum corneum.

Use a scrub to clean the area where the electrode will be attached.

◎Female makeup, impedance values are particularly high.

Use a scrub to clean the area where the electrode will be attached.

◎There's a scar where the electrode was attached.

Change the position of the sticking electrode

◎The sensor itself has quality problems.

Replace the sensor.

◎When used at the same time with the electrosurgical knife, the resistance value will be too high.

◎After the electrosurgical knife is stopped for 1-2 seconds, the data returns to normal, and the impedance value returns to normal when the system is updated.

1.2 Using alcohol to clean the skin thickens the cuticle of the cortex and increases the impedance value. At the same time, the alcohol and the conductive liquid of the sensor have a chemical reaction, so that the electrode deteriorates, resulting in the equipment can not collect brain electrical information.



2. There is no data display when the lead falls off during use.

2.1 When attaching electrodes, press the center too hard, and the conductive liquid will overflow, which will cause the electrode to have poor contact with the skin or fall off.

2.2 The electrode is loose from the lead cable socket (As shown on the right) °

After the sensor is connected, it is best to secure the socket with tape.

2.3 The device will automatically update the system every 15 minutes, and the sensor impedance value will be detected again during the update process, and there will be no brain wave pattern and data for a short time.



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