

The necessity of strengthening intraoperative insulation during the perioperative period

Body temperature, blood pressure, pulse, breathing, and pain collectively constitute the five vital signs of life. Maintaining a constant body temperature is a necessary condition to ensure the body's metabolism and normal life activities, while abnormal body temperature can cause metabolic dysfunction and even endanger life.

The consensus among experts on the prevention and treatment of hypothermia in perioperative patients (2017) proposes that active temperature protection measures in perioperative hypothermia prevention and treatment can reduce the occurrence of hypothermia and subsequent complications in patients. The article emphasizes the importance of proactive insulation measures to improve patient prognosis and enhance postoperative quality of life.

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Guidelines and Consensus

Expert Consensus on the Prevention and Treatment of Hypothermia in Perioperative Patients (2017): Anesthesiology Branch of the Chinese Medical Association, National Anesthesiology Quality Control Center

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8. Active intraoperative insulation rate (AQI-AWR-08)

Definition: During the period of surgical anesthesia, the number of active insulation measures taken (continuous or intermittent active insulation throughout the entire process) during general anesthesia per unit time accounts for the total number of general anesthesia cases during the same period.

The proportion of numbers:

Calculation formula:

Active insulation rate during surgery

Number of active thermal insulation measures taken during surgical anesthesia per unit time
 $\div$ Total number of general anesthesia cases during the same period $\times 100\%$

Explanation: Active insulation measures include: using inflatable heating devices and other heating devices for temperature protection; Use a blood transfusion and infusion heating device to heat up to 37 °C before infusion. Meaning: Active intraoperative insulation can help reduce the incidence of hypothermia during surgical anesthesia and significantly improve patient prognosis.

The eighth indicator in the Quality Control Indicators for Anesthesiology (2022 Edition) proposes active insulation measures, including the use of inflatable heating devices and other heating devices for temperature protection, emphasizing the significance of active insulation: it helps to reduce the incidence of hypothermia during surgical anesthesia and can significantly improve patient prognosis.

Forced Air Warmer (Warm-pro Medical Heating System)

Controller Functions

- 【Display】 5-inch high-definition touch screen
- 【Safety Performance】 Dual temperature control system, ensuring safety
- 【Real time display】 patient temperature
- 【Ventilation hose】 Elastic and wear-resistant, 1.8 meters on length
- 【Filter】 less than 0.2 um Dual filtration system
- 【Waterproof level】 IPX4



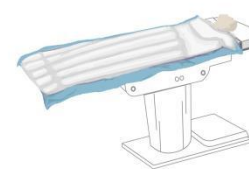
Effective Measures for Active Insulation during Perioperative Period – Warm Pro Medical Warming Blanket

Product Advantages

- Four color LCD touch screen: rich display content, touch operation, and good human-computer interaction
- Small and portable body: equipped with a dedicated trolley, flexible and convenient to use
- Temperature setting 28-43°C, increase or decrease 0.1°C, and equipped with 4 fast one-button setting: room temperature, 32 °C, 37 °C, 43 °C
- District intelligent work scenarios: preheating mode, adult mode, elderly mode, children mode Formula, one-button setting, efficient and fast
- Patient temperature monitoring: Patient temperature can be continuous monitored and synchronously displayed on the host interface. Alternatively, wireless infrared temperature sensors can be configured for precise measurement of patient tympanic membrane temperature
- Patient hypothermia warning: Custom warning temperature, automatically turned on when it is below the warning temperature sound and text prompts for activation
- Multi speed regulation: high speed, medium speed, low speed. Simultaneously, the main interface can achieve infinite possibilities wind speed regulation
- Timing and timing: Equipped with work timing function and custom heating timing function, the heating work will automatically stop after the timing ends
- Multiple security protection: self check function, protection testing, high temperature prompt, low temperature prompt, etc
- Diversity of heating blankets: disposable and reusable for clinical selection



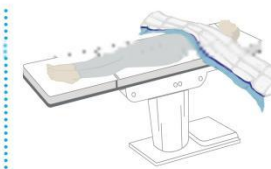
Multiple specifications of heating blankets --



Full body blanket

Model: AB03
Size: 225X125cm

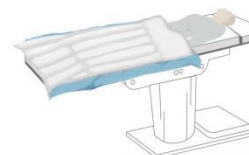
Usually used for preoperative preparation and postoperative recovery, in ICU, emergency room, etc. for patients
Provide insulation



Upper body blanket

Model: AB09
Size: 220X75cm

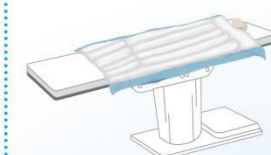
The supine position is usually used for the chest and upper body
Used for abdominal, upper limb, or head surgery, prone and lateral positions
Used for back and spine surgery



Lower body blanket

Model: AB16
Size: 125X120cm

Usually used for surgeries on the abdomen and below



Pediatric blanket

Model: CB03
Size: 140X125cm

Usually used to warm the entire body of pediatric patients

*There are multiple other specifications available for selection