

The NICE Guideline concept is applied to the implementation of normal body temperature care for surgical patients throughout the entire operation period

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INTRODUCTION

Unexpected hypothermia is a common problem during surgery, and the literature shows that temperature below 36°C during surgical procedures longer than 2 hours is common during and after surgery.

The compliance rate of the hospital's hospital care principles was 26.7%, and the intraoperative maintenance of normal body temperature of surgical patients in 2021 was reviewed, and the monitoring result was 43.7%.

Referring to the NICE care principles applied to surgical patients, we construct a suitable normothermic care principle for surgical patients throughout the operation, so as to reduce the rate of unexpected hypothermia and improve the safety and quality of care for surgical patients.

AIM

To Implement the principle of maintaining normothermic care for surgical patients throughout the operation according to the NICE Guidelines, reduce unplanned hypothermia in surgical patients in order to achieve the goal of surgical patient safety management.

METHOD

1.The NICE Guideline guidelines for maintaining normothermic care for surgical patients throughout the operation process were used to review the care process in the operating room.

2. Then, based on the case environment, equipment and manpower, the principles of appropriate whole-life surgical care are formulated.

3. Implementation Priorities and Execution Strategies:

- ① Produce a leaflet on health education
- ② Arrange and implement education and training for medical staff
- ③ Pre-anesthesia assessment of hypothermia, risk factor assessment and reminders for high-risk patients are advocated

RESULTS

Based on the NICE Guideline's principle of maintaining normothermia care for surgical patients throughout the operation, and formulating a more complete standard for the operating room care process, before the implementation of the strategy, the implementation rate of the hospital's hospital care principles was 26.7%, and the implementation rate of the nursing principles was 93.3% after the introduction of the concept of nursing principles , and the intraoperative maintenance of normal body temperature of surgical patients in 2023 was reviewed. The average increase in monitoring results from 64.6% before improvement to 99.3% was achieved.

Table 1. NICE Guideline Flow chart of the patient's maintenance of normothermia throughout the operation

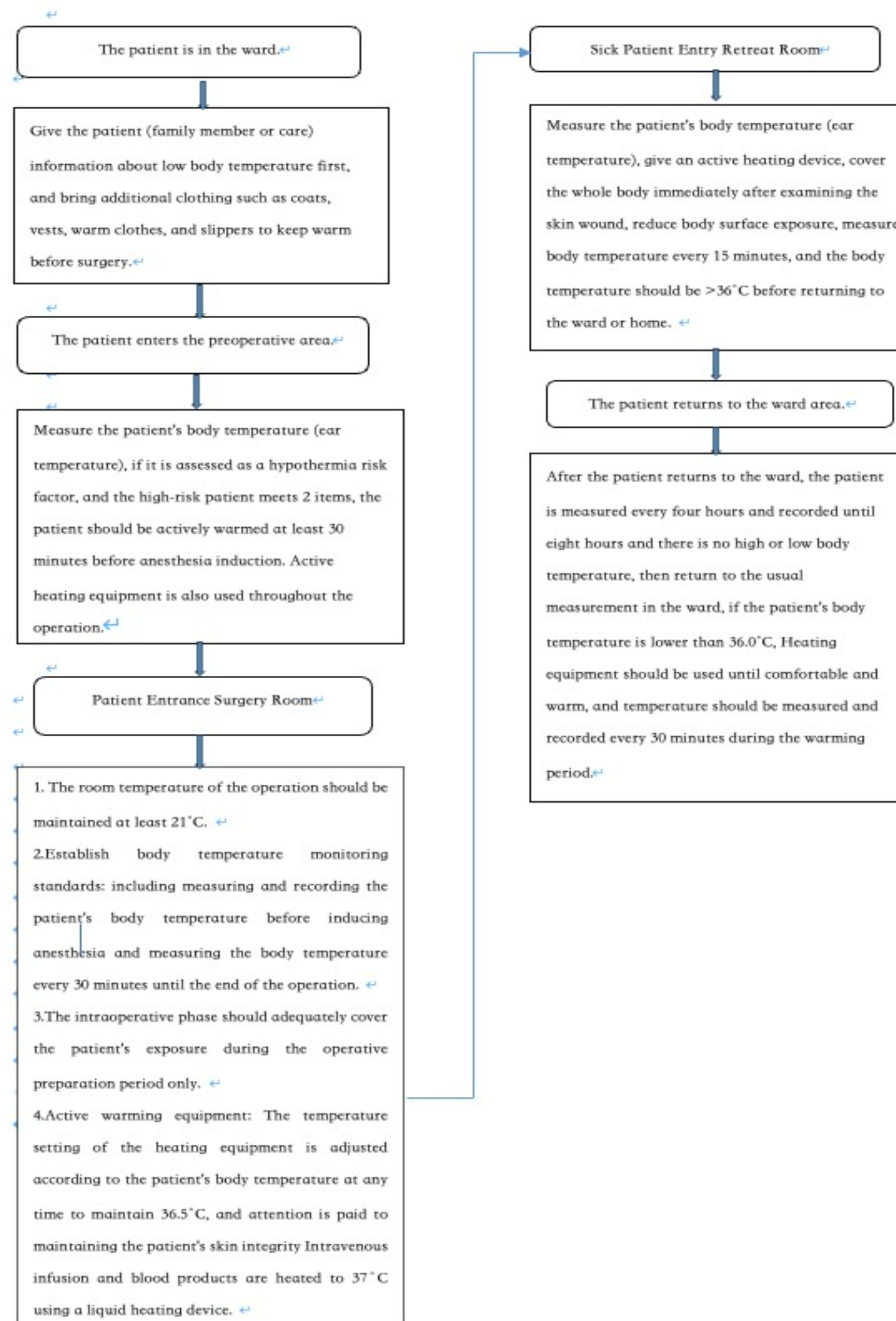
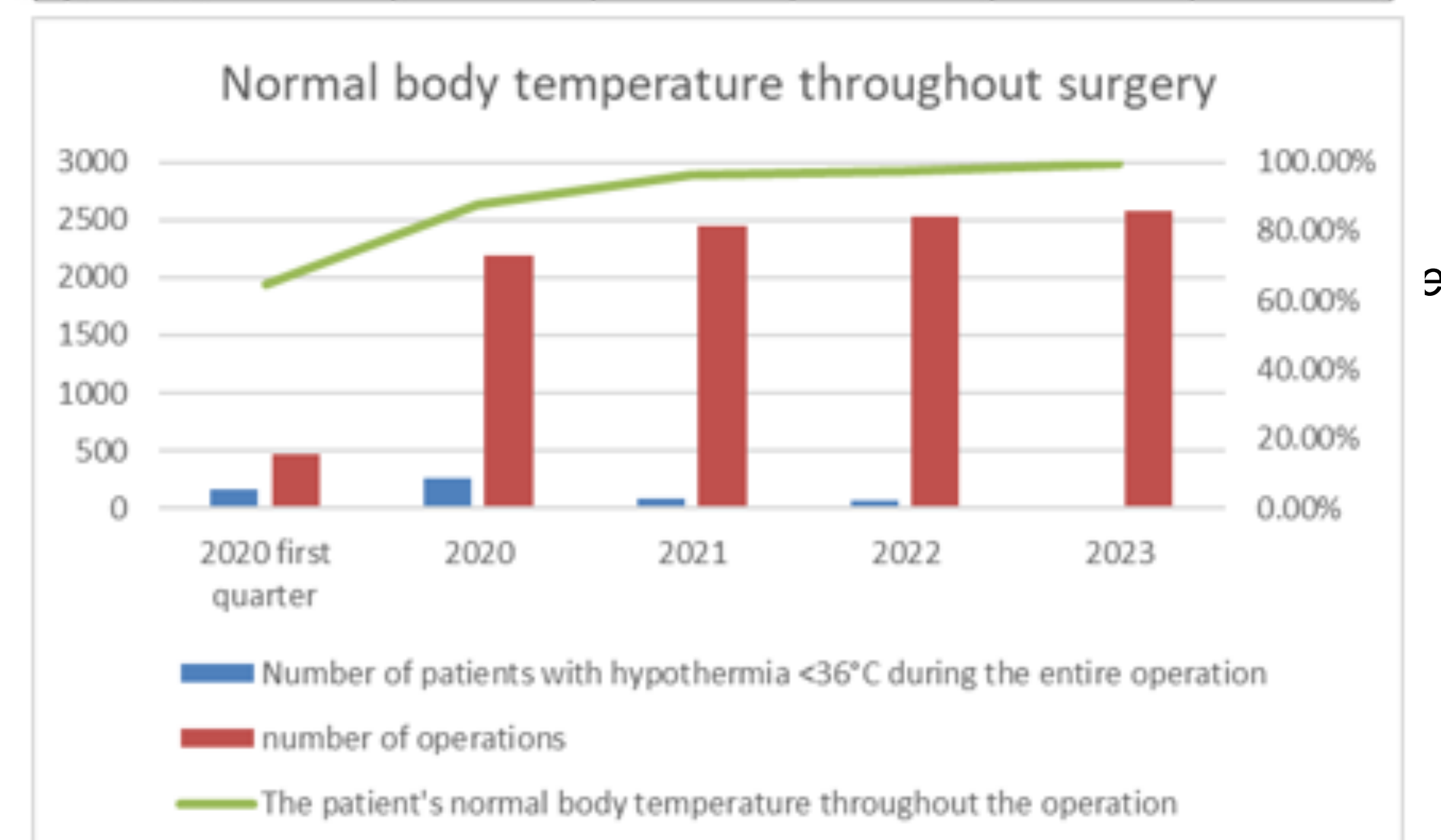


Figure 1. Body temperature monitoring throughout the operation period from 2020 to 2023.

year ^a	2020 first quarter ^a	2020 ^a	2021 ^a	2022 ^a	2023 ^a	^a
Number of patients with hypothermia <36°C during the entire operation ^a	168 ^a	266 ^a	86 ^a	65 ^a	19 ^a	^a
number of operations	475 ^a	2196 ^a	2438 ^a	2522 ^a	2573 ^a	^a
The patient's normal body temperature throughout the operation ^a	64.60% ^a	87.89% ^a	96.47% ^a	97.42% ^a	99.30% ^a	^a



CONCLUSIONS

By reviewing the process, establishing care principles, educating and monitoring body temperature throughout surgery, and formulating a whole-term care process to prevent related complications, as a policy recommendation for the future, we strive to minimize the unexpected hypothermia of surgical patients and achieve the goal of surgical patient safety management .

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