

Subject: HotDog Patient Warming System

Aims: To ensure the user can operate this device safely and competently


Objectives:
The user will:

- Safely setup the HotDog for patient use
- To warm the patient appropriately
- To clean and store the device safely



Time	Topic	Teaching Method	Student Activity	Resources
00:05	<p>How to be sure this is the most appropriate device for the intended use</p> <ul style="list-style-type: none"> • The HotDog Patient Warming System is intended to prevent or treat hypothermia and to provide warmth to patients. The HotDog Patient Warming System should be used in circumstances in which patients may not maintain a state of normothermia. The System is intended primarily for use in hospitals and surgical centers including without limitation operating, recovery, and emergency rooms and on medical/surgical floors. 	Discussion	Q&A	Service Manual HotDog Warmer

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	<p>How to check for damage/ wear / faults and service date</p> <ul style="list-style-type: none"> • Check for obvious signs of physical damage or dirt • Check service sticker to ensure device is within its service period • Ensure there is an in date electrical safety sticker <p>How to switch the device on</p> <ul style="list-style-type: none"> • Press the switch on the back of the controller to the 'on' position.  <p>Are there any limitations or contra-indications for the use of the device</p> <ul style="list-style-type: none"> • DO NOT warm ischemic or non-perfused tissue; thermal injury may result. Examples include tissue distal to aortic cross clamping, or when vasoconstrictive drugs would lead to severe, prolonged vasoconstriction. • DO NOT warm patients receiving transdermal medication; increased drug delivery may occur. <p>How to check the device working</p> <ul style="list-style-type: none"> • When the HotDog Controller is plugged into an electrical outlet and the Mains Power Switch on the 	<p>Demonstration</p> <p>Demonstration</p> <p>Discussion</p>	<p>Q&A</p> <p>Q&A</p> <p>Q&A</p>	<p>HotDog Warmer</p> <p>HotDog Warmer</p> <p>HotDog Warmer</p>
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	<p>minutes. Reconnect blanket or mattress. Turn Controller on. If alarm occurs again, stop using blanket or mattress and contact technical support.</p> <ul style="list-style-type: none"> • Failure to reach temperature <ul style="list-style-type: none"> ○ When the system does not reach the temperature setpoint within 10 minutes, the alarm sounds and power is removed from the blanket or mattress. Check to make sure that the blanket or mattress is in contact with the patient and that the sensor area is touching the patient. Unplug the blanket or mattress and reconnect to reset. If alarm occurs again, stop using blanket or mattress and contact technical support. • Port current limit reached <ul style="list-style-type: none"> ○ If electrical current in the blanket or mattress exceeds allowable limit, alarm sounds and power is removed from the blanket or mattress. This may indicate an electrical problem with the warming device. Unplug the blanket or mattress and reconnect to reset. If alarm occurs again, stop using blanket or mattress and contact technical support. • Sensor or cable failure <ul style="list-style-type: none"> ○ If the controller loses communication with the sensors in the blanket or mattress, an alarm sounds and power is removed. This may be caused by an electrical problem in the blanket or the controller. Swap cables and blankets with known good product to isolate problem if possible. If problem continues, replace blanket, mattress and/or cable and contact technical support. • Blanket folder detection alarm <ul style="list-style-type: none"> ○ In warming devices equipped with an 	Discussion	Q&A	HotDog Warmer
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	<p>overtemperature array, local overheating caused by folding of the warming blanket will cause an alarm and power to the blanket is turned off. Check blanket for folded areas. To reset alarm, unplug cable, wait 5 minutes and reconnect. If alarm recurs, stop using blanket or mattress and contact technical support.</p> <ul style="list-style-type: none"> • 6-hour time-out timer <ul style="list-style-type: none"> ○ If a warming device is left operating for 6 hours with no changes to set point, power will be removed, three short audible chirps will sound, and the alarm Indicators will flash continuously. Pressing the temperature select button will clear the alarm and re-start normal operation. <p>Knowledge of use of thin barrier</p> <ul style="list-style-type: none"> • Warm as much surface area as possible. Warming the core is more effective than the periphery. Can use a mattress and up to two blankets simultaneously. • Start warming as soon as the patient arrives in the OR. HotDog is air-free, so no need to wait until the patient is prepped and draped to begin warming. • Ensure that the sensor is in contact with the patient. <div data-bbox="580 1010 815 1171" data-label="Image"> </div> <ul style="list-style-type: none"> • Use the thinnest barrier possible between the patient and the warming blanket. Examples include: patient's gown, sterile plastic drape, or single-layer cotton 	<p>Demonstration</p>	<p>Q&A</p>	<p>HotDog Warmer & Blankets</p>
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sheet. Do not use a folded cotton blanket as it restricts heat transfer.

How to set up the blanket

- Connect the warming device (mattress or blanket) to the controller with the proper cable.
- The red dots on the cable must face 'up'.
- When disconnecting the cable, pull back on metal area as shown (do not twist to disconnect).



- Select the desired temperature by pressing the button on the face of the controller that matches the port connected to the warming device (A, B, or C).



- Make sure the sensor is touching the patient (shown).
- Always use a barrier between patient and blanket.

Demonstration

Q&A

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- Don't fold the black sides of the blanket together while in use.
- Place black side toward patient.



- Ensure that the Warming Mattress is securely fastened to the table.

How to position the patient on the mattress

- Always use a thin patient barrier between the patient and the Warming Mattress.
- Care should be taken to alleviate or remove the risk of heating skin under pressurized bony prominences.
- Care should be taken to place the patient's body in contact with the labelled sensor on the Warming Mattress.
- DO NOT place the Warming Mattress over a table joint that will move during surgery.
- DO NOT place any hard objects (e.g., mattress cables, EKG cables, hard cautery return pads, patient fluid lines, etc.) between the Warming Mattress and patient's body.

How to select the warming temperature

- When a warming device is plugged into a port, an

Discussion

Q&A

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		Observation / Q&A	Demonstration	HotDog Warmer & Blankets Competency Document
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