



Convective
forced-air
warming

VS

Conductive
resistive electric
mattresses



Over 100
clinical studies



published to support the use of
forced-air warming to prevent
inadvertent perioperative hypothermia



NICE
guidelines

recommend forced-air
warming should be used for

- pre
- intra
- post-operative warming

to maintain patient
temperature above

36°C



2011

NICE published MTG7 to
support further research
into conductive warming
systems¹

MTG7

does not
supersede

the NICE guideline recommendations
on perioperative warming.

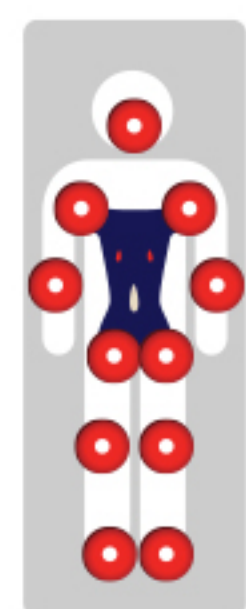


It also does not update the guideline
with respect to the recommendation
about forced-air warming as a
cost-effective use of resources.

The main study used to support MTG7 is by Wong²

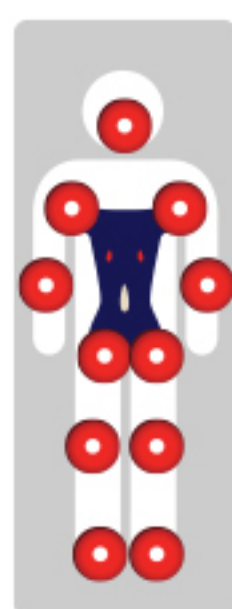
Group 1

Pre-op
(2hrs) Conductive
Mattress



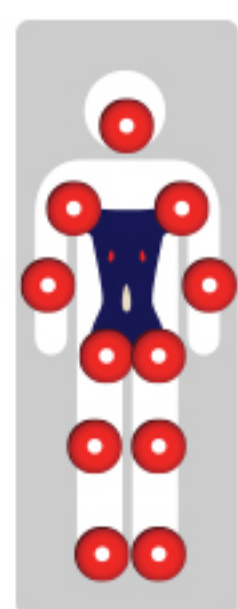
+

Intra-op
Conductive Mattress AND
Forced-air Warming



+

Post-op
(2hrs) Conductive
Mattress



Group 2

Intra-op
Forced-air
Warming only



Conclusion



Both groups
produced average
patient temperature
of 36°C



Conductive resistive electric
mattress provides no additional
warming benefit compared to
forced-air warming alone



Conductive warming
should only be used
in conjunction with
forced-air warming

**Clinical evidence
demonstrates the
superior performance
of 3M™ Bair Hugger™
Forced-Air Warming
System**

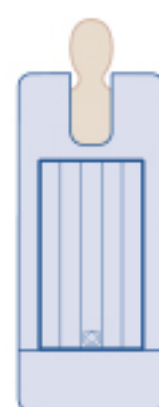
compared with conductive
resistive electric mattresses



3M™ Bair Hugger™ Underbody Blanket

Rate of rewarming was significantly greater
with forced-air warming than with underbody
resistive heating mattress

Resistive warming did not differ from passive
insulation³



3M™ Bair Hugger™ Full Body Blanket

Patient rewarmed 2x faster with forced-air
warming than with resistive electric
underbody mattress⁴

Get in touch with us today to discuss your
temperature management needs.

Call 08458 734164 or visit www.3M.co.uk/patientwarming



3M is a trademark of 3M Company.
Bair Hugger is a trademark of Arizant Inc., a 3M Company.

1. NICE medical technology guidance (MTG7), published August 2011. Available at: www.nice.org.uk/guidance/mtg7
2. Wong PF, et al. Randomized clinical trial of perioperative systemic warming in major elective abdominal surgery. Br J Surg. 2007;94(4):421-6 (conducted using 3M Bair Hugger forced-air warming system and Inditherm resistive electric mattress)
3. Engelen S, et al. An evaluation of underbody forced-air and resistive heating during hypothermic, on-pump cardiac surgery. Anesthesia 2011; 66: 104-110 (comparison of 3M Bair Hugger forced-air warming system and Inditherm resistive electric mattress)
4. Roeder G, et al. Comparison of a Forced-Air and a Resistive Warming Device for Intraoperative Rewarming. ASA Abstracts 2010; A076. (comparison of 3M Bair Hugger forced-air warming system and Hot Dog resistive electric mattress)