



La temperatura vescicale come “core temperature” nei neonati sottoposti alla targeted temperature management. Uno studio osservazionale prospettico

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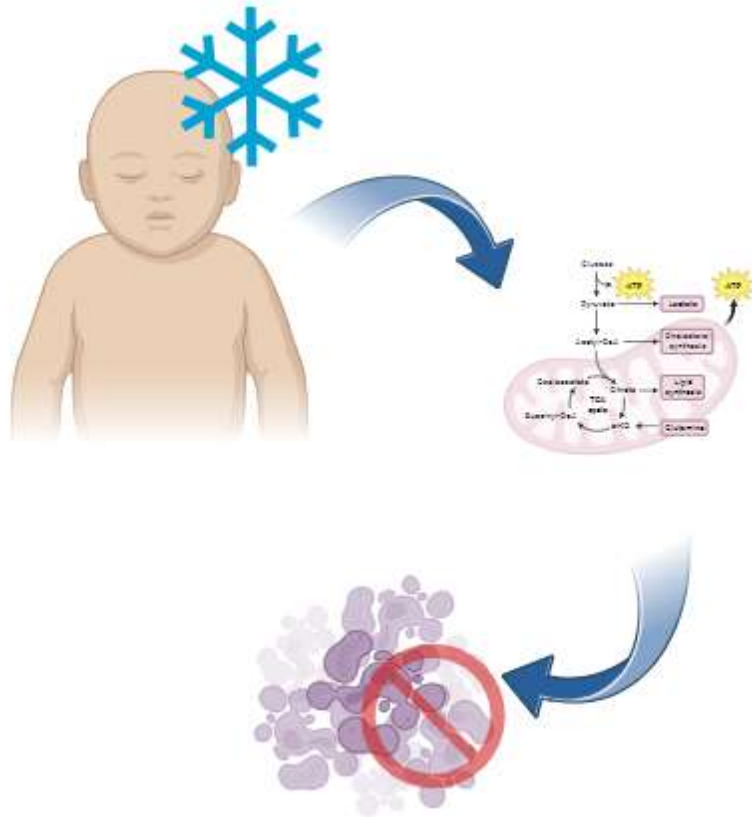
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Introduction



33,5-34,5 °C



6 hours



1-8/1000 live birth



60%

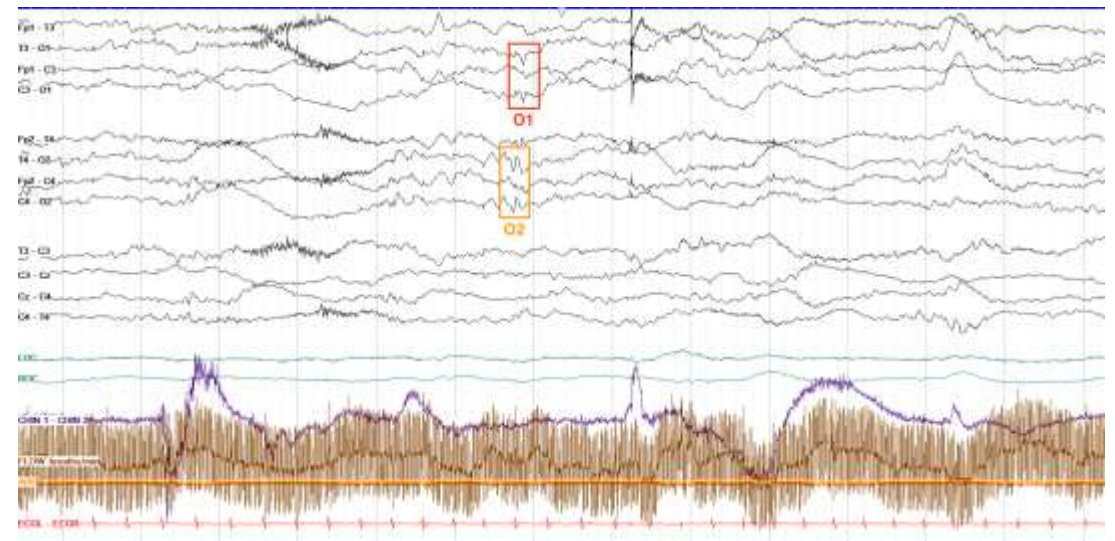
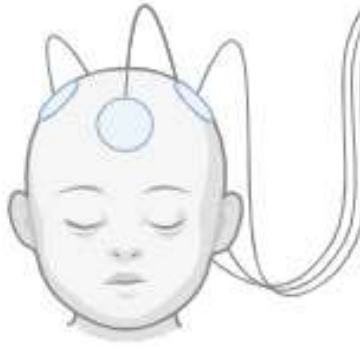




Inclusion Criteria



≥ 36 weeks



≥ 1800 grams

- pH
- BE





Aim

Gruppo di Studio di Neurologia Neonatale Società Italiana di Neonatologia

RACCOMANDAZIONI PER L'ASSISTENZA AL NEONATO CON ENCEFALOPATIA IPOSSICO-ISCHEMICA POSSIBILE CANDIDATO AL TRATTAMENTO IPOTERMICO

A cura di:
Gina Ancora, Giulia Pomero, Fabrizio Ferrari

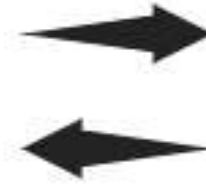
Con la collaborazione di:

Antonietta Auriemma	Rita Luciano
Chiara Bottura	Licia Lagi
Roberto Bellù	Concetta Pallante
Elisabetta Chiodia	Giuseppe Paterlini
Cosaro Roberto Coppiati	Luca Pierantoni
Valeria Fano-Lato	Orazio Sergio Seta
Enrica Forzano	Alessandro Scoppa
Monica Panigali	Silvia Soffritti
Sara Grandi	Francesco Turcotta
Chiara Lucatelli	Stefano Visentini

ERM



Rectal temperature



Bladder temperature





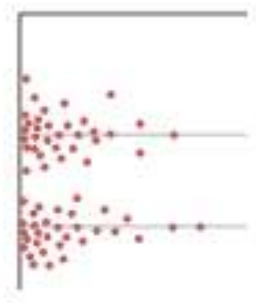
Methods

1 measurement / minute both sites



Hourly Urine output

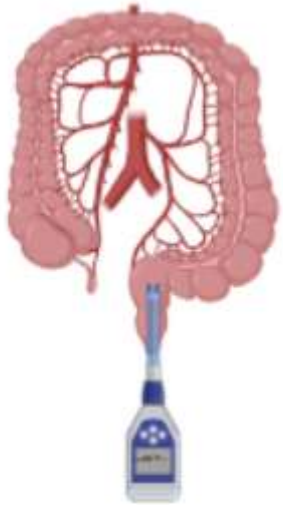
Bland-Altman analysis



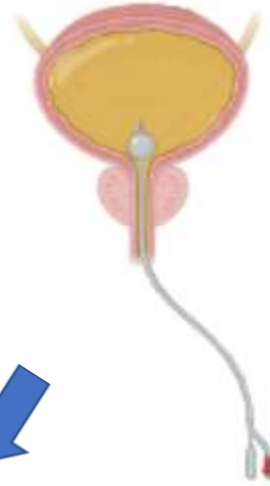


Results

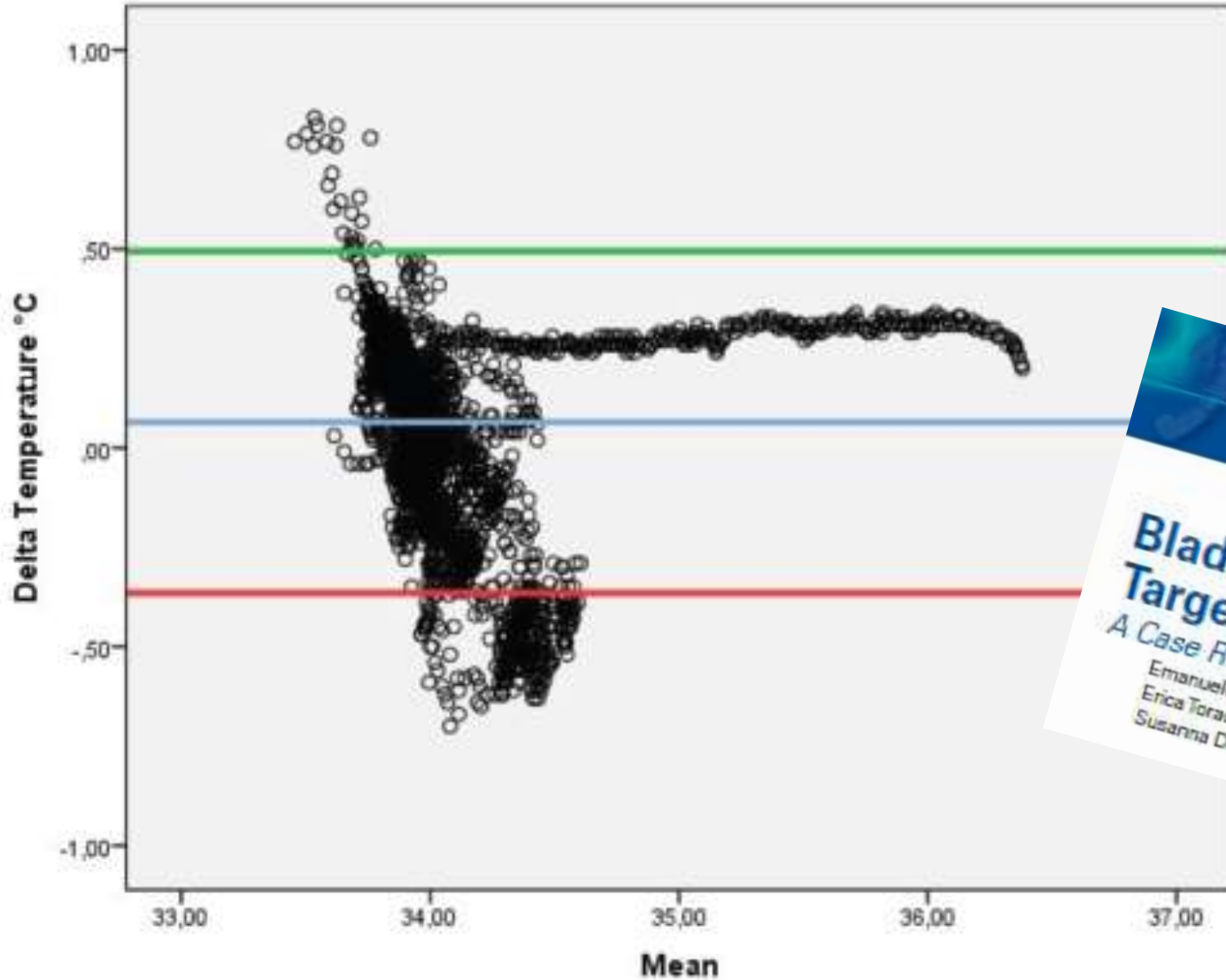
06/01/2022 - 05/12/2022



25527
measurements



Average difference: 0,118 °C ± 0,175
[IC 95% -0.226 - 0.462]
p= 0.000.



Case of the Month

Tracey Ball, DNE, APRN, NNP-BC Section Editor

Bladder Temperature During Neonatal Targeted Temperature Management

A Case Report

Emanuele Buccione, MSN, RN; Valentina Chiavaroli, PhD, MD; Davide Scarponcini Fornaro, MSN, RN;
Erica Toracchio, RN; Paola Cicioni, MD; Laura Rasero, PhD, RN; Stefano Bambi, PhD, RN;
Susanna Di Valerio, MD



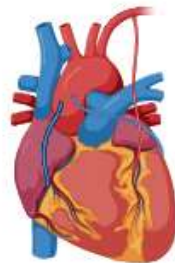
Discussion

The incidence of urinary retention:
1% to 64%.



Great reliability of
bladder temperature in regard to the pulmonary
artery temperature by using a Swan-Ganz
catheter in adult patients

In a sample of 19 postoperative cardiac infants
and children, bladder temperature was identified
as the best estimate of pulmonary artery
temperature





Conclusion

- Good reliability of bladder site
- Reduction of devices placed on neonates
 - Safer stabilization
- Reduction of down-time



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