42° Congresso Nazionale ANIARTI
21-22 Novembre 2023
Bologna Centro Congressi Savoia Regency

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

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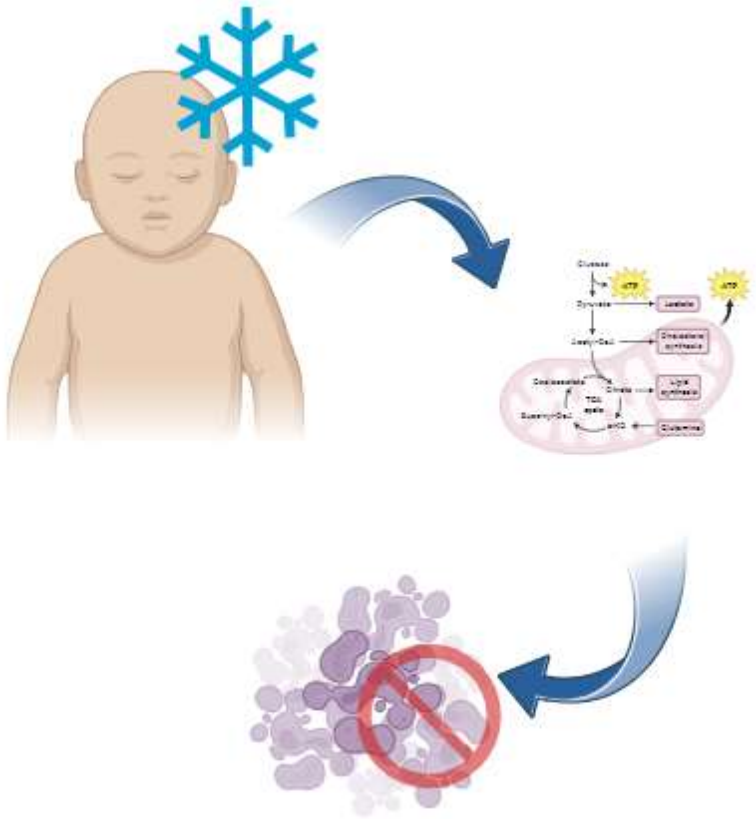
Introduction

33,5-34,5 °C



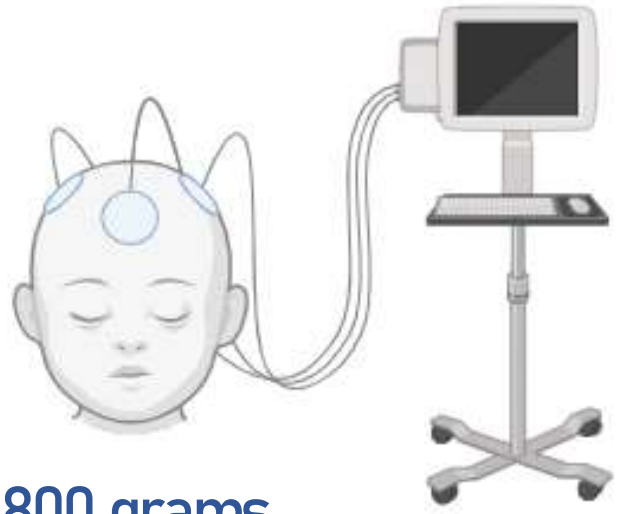
6 hours

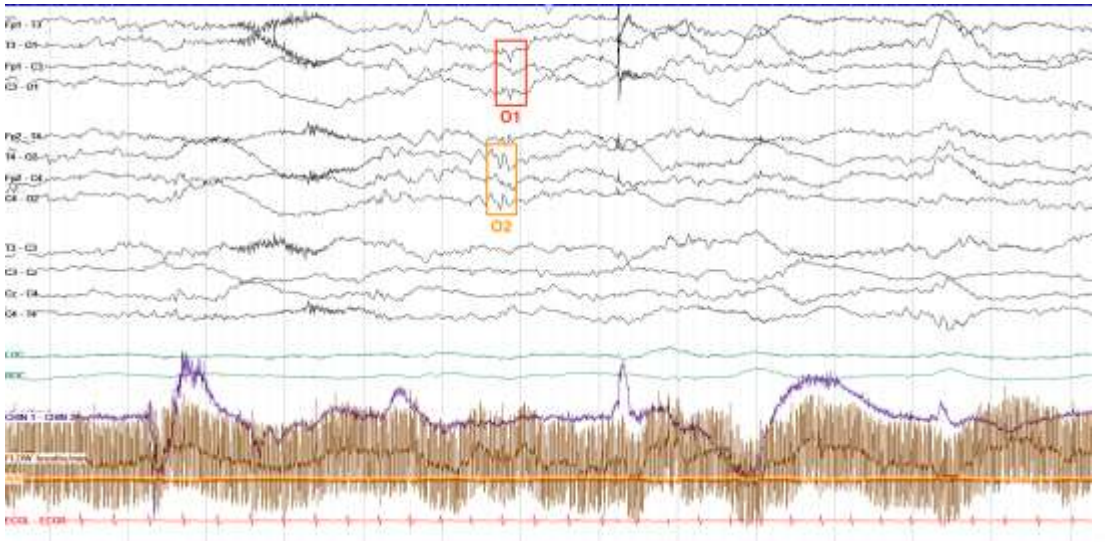
1-8/1000 live birth

60%

Inclusion Criteria

≥ 36 weeks

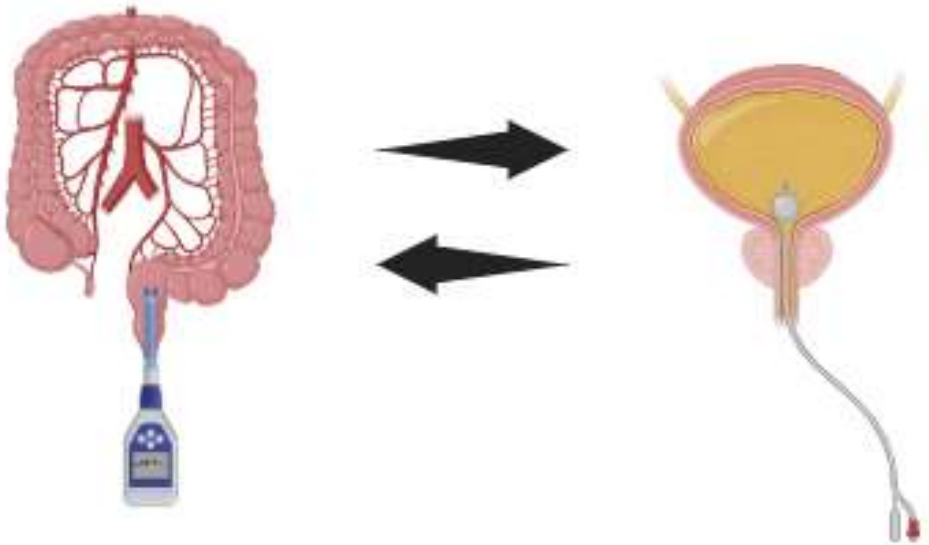




≥ 1800 grams

- pH
- BE

Aim



Rectal temperature

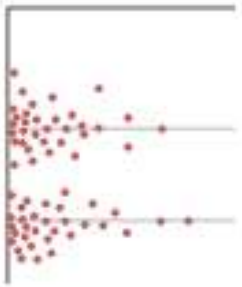
Bladder temperature

Methods

1 measurement / minute both sites

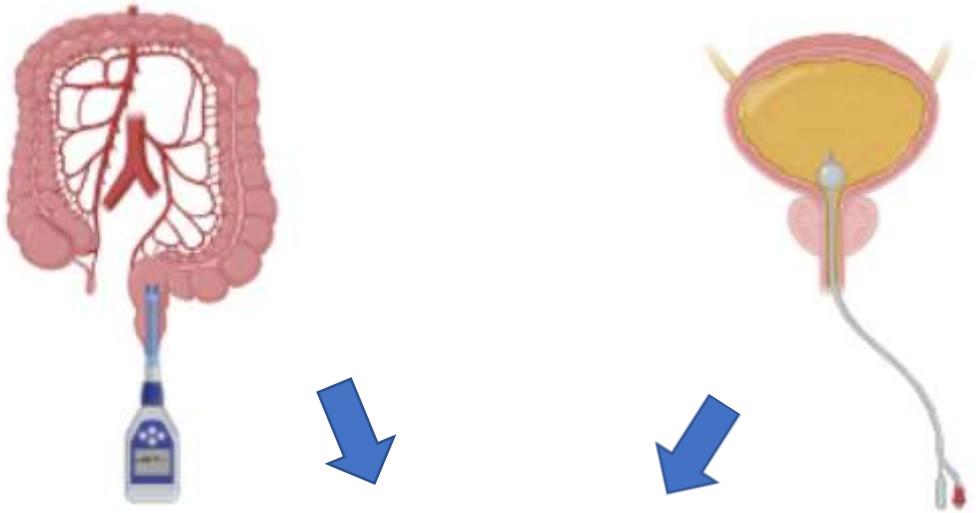
Hourly Urine output

Bland-Altman analysis



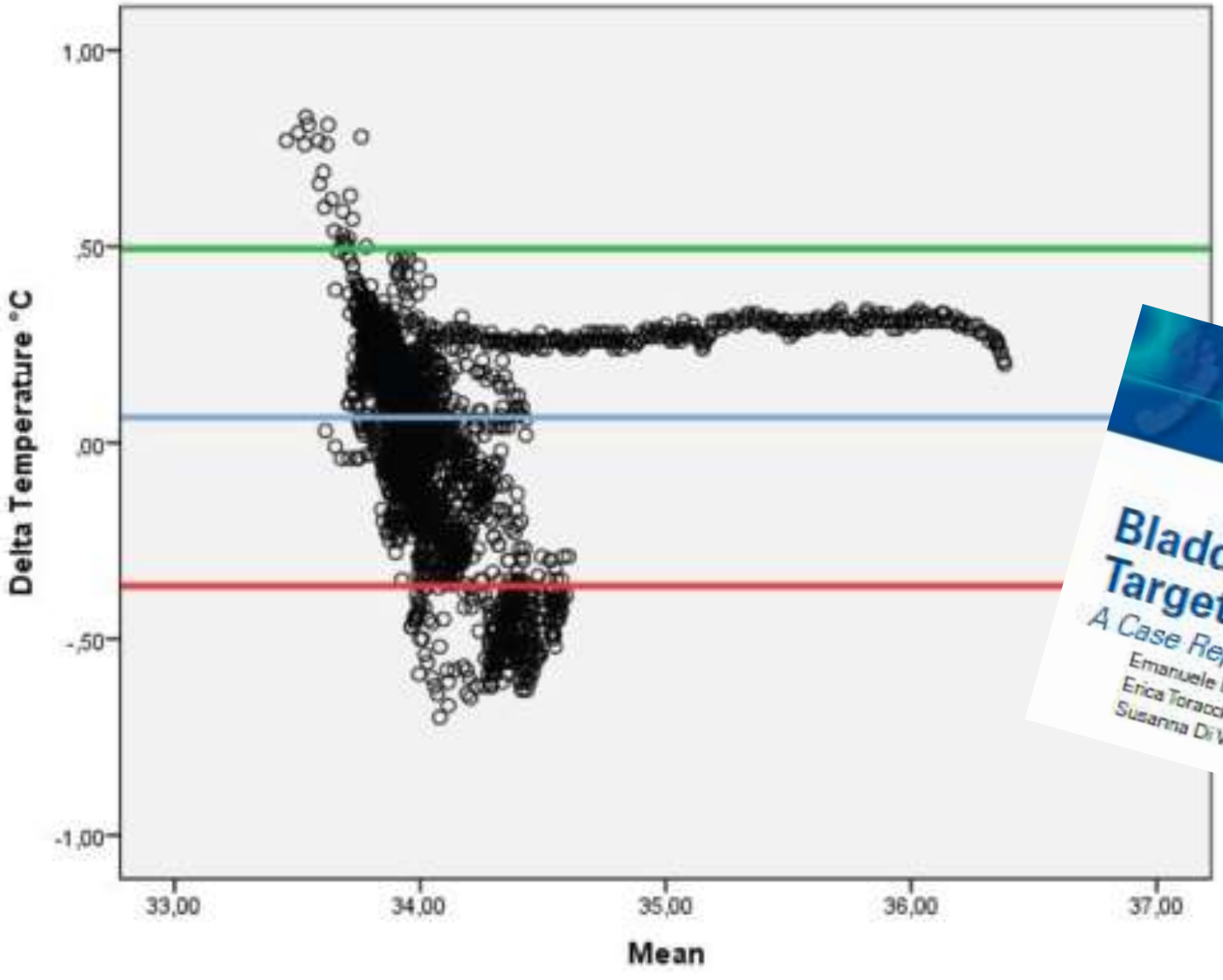
Results

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, DNP, APRN, NNP-BC, Section Editor

Bladder Temperature During Neonatal Targeted Temperature Management

A Case Report

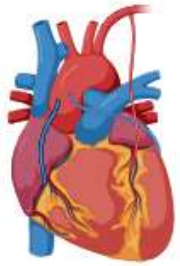
Emanuele Buccione, MSN, RN; Valentina Chiavaroli, PhD, MD; Davide Scarponcini Fornaro, MSN, RN; Erica Toracchio, RN; Paola Cicioni, MD; Laura Rasero, PhD, RN; Stefano Bambi, PhD, RN; Susanna Di Valerio, MD

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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