Supplementary appendix

**Appendix**

This appendix was part of the submitted manuscript and has been peer reviewed. It is posted as supplied by the authors.

**Additional figures**

Table 4. Average change in hemodynamic variables from baseline during 120 minutes

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Warm, average change (n=20)</th>
<th>Cold, average change (n=20)</th>
<th>Average difference</th>
<th>p-value</th>
</tr>
</thead>
<tbody>
<tr>
<td>CI, L/min/m²</td>
<td>0.08 (0.07-0.09)</td>
<td>0.04 (0.03-0.05)</td>
<td>-0.04 (-0.06 - -0.02)</td>
<td>0.96</td>
</tr>
<tr>
<td>SBP, mmHg</td>
<td>4.93 (4.66-5.19)</td>
<td>7.71 (7.44-7.99)</td>
<td>2.79 (2.46-3.12)</td>
<td>0.99</td>
</tr>
<tr>
<td>DBP, mmHg</td>
<td>1.47 (1.33-1.61)</td>
<td>3.60 (3.44-3.76)</td>
<td>2.13 (1.94 – 2.32)</td>
<td>0.91</td>
</tr>
<tr>
<td>MAP, mmHg</td>
<td>2.34 (2.16-2.51)</td>
<td>4.81 (4.62-5.00)</td>
<td>2.48 (2.26 – 2.70)</td>
<td>0.93</td>
</tr>
<tr>
<td>PR, bpm</td>
<td>-0.02 (-1.81-0.14)</td>
<td>-1.73 (-1.90 - -1.56)</td>
<td>-1.71 (-1.93 - -1.49)</td>
<td>0.51</td>
</tr>
</tbody>
</table>

Values are mean with 95% confidence interval. CI= Cardiac Index. SBP= Systolic Blood Pressure. DBP= Diastolic Blood Pressure. MAP= Mean Arterial Pressure. PR= Pulse Rate. Average difference calculated with the paired t-test, while the p-values were calculated with RMANOVA for the same period.
Fig. 4 Mean cardiac index during the 120 minutes of monitoring in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. P value represents the interaction between time and group on repeated measures analysis of variance.
Fig. 5 Mean (SEM) diastolic arterial pressure during the 15 minutes of fluid bolus administration in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. P value represents the interaction between time and group on repeated measures analysis of variance.
Fig. 6 Mean (SEM) systolic arterial pressure during the 15 minutes of fluid bolus administration in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. P value represents the interaction between time and group on repeated measures analysis of variance.
Fig. 7 Mean mean arterial pressure during the 120 minutes of monitoring in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. P value represents the interaction between time and group on repeated measures analysis of variance.
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Fig. 8

Mean diastolic arterial pressure during the 120 minutes of monitoring in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. $P$ value represents the interaction between time and group on repeated measures analysis of variance.

$P=0.91$
Fig. 9

Mean systolic arterial pressure during the 120 minutes of monitoring in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. P value represents the interaction between time and group on repeated measures analysis of variance.
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Fig. 10

Mean pulse rate during the 120 minutes of monitoring in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. P value represents the interaction between time and group on repeated measures analysis of variance.
Mean (SEM) body temperature during the 15 minutes of fluid bolus administration in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. P value represents the interaction between time and group on repeated measures analysis of variance.

Fig. 11

$P = 0.046$
Mean (SEM) body temperature during the 120 minutes of monitoring in subjects receiving a warm (red line) and cold (blue line) fluid bolus, respectively. P value represents the interaction between time and group on repeated measures analysis of variance.