

# Targeting low-normal or high-normal mean arterial pressure after cardiac arrest and resuscitation: a randomised pilot trial

Intensive Care Medicine

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COMACARE study group

**Table 4. Results (p values) of the interaction analyses<sup>1</sup>**

|   |                         | <b>PaCO<sub>2</sub></b> | <b>PaO<sub>2</sub></b> | <b>MAP</b> | <b>TTM target</b> |
|---|-------------------------|-------------------------|------------------------|------------|-------------------|
| NSE at 48 h                                     | <b>PaCO<sub>2</sub></b> | –                       | 0.378                  | 0.300      | 0.959             |
|   | <b>PaO<sub>2</sub></b>  | 0.378                   | –                      | 0.098      | 0.139             |
|   | <b>MAP</b>              | 0.300                   | 0.098                  | –          | 0.244             |
|   | <b>TTM target</b>       | 0.959                   | 0.139                  | 0.244      | –                 |
| Good neurological outcome (CPC 1-2) at 6 months | <b>PaCO<sub>2</sub></b> | –                       | 0.421                  | 0.858      | 0.737             |
|   | <b>PaO<sub>2</sub></b>  | 0.421                   | –                      | 0.467      | 0.126             |
|   | <b>MAP</b>              | 0.858                   | 0.467                  | –          | 0.213             |
|   | <b>TTM target</b>       | 0.737                   | 0.126                  | 0.213      | –                 |

<sup>1</sup> The interaction effects of PaCO<sub>2</sub>, PaO<sub>2</sub>, MAP and TTM targets on the NSE results at 48 h was assessed with the univariate analysis of variance. The interaction effects of PaCO<sub>2</sub>, PaO<sub>2</sub>, MAP and TTM targets on the CPC results at 6 months was analysed with a binary logistic regression model.

Abbreviations: PaCO<sub>2</sub>, arterial carbon dioxide tension; PaO<sub>2</sub>, arterial oxygen tension; MAP, mean arterial pressure; TTM, targeted temperature management; NSE, neuron-specific enolase and CPC, Cerebral Performance Category.

**Table 5. Causes of death during the 6 month follow-up**

|              | <b>Low-normal MAP group</b> | <b>High-normal MAP group</b> |
|--------------|-----------------------------|------------------------------|
| <b>HIE</b>   | 19                          | 16                           |
| <b>Other</b> | 1                           | 3                            |
| <b>Total</b> | 20                          | 19                           |

Abbreviations: HIE, hypoxic ischaemic encephalopathy and MAP, mean arterial pressure.