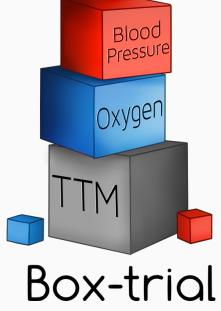
## Oxygen Targets in Post-Cardiac Arrest Survivors BOX trial

A randomized, two center intervention trial on two oxygen targets in comatose adult out of hospital cardiac arrest patients

Professor Jacob Eifer Møller MD DMSc Odense University Hospital, Denmark August 27<sup>th</sup> 2022



### **Declaration of interest**

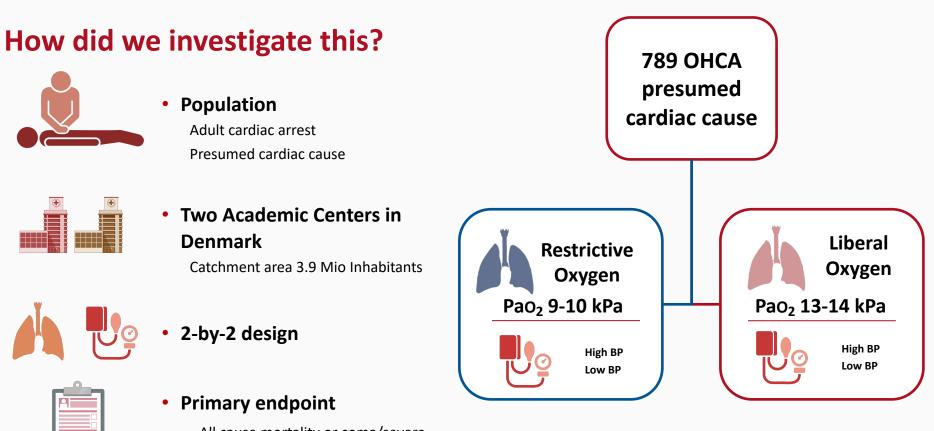
- Research contracts : Research grant from Abiomed outside this work

### Why is this important?

In Europe 100,000 individuals resuscitated after cardiac arrest will survive to hospital admission each year.

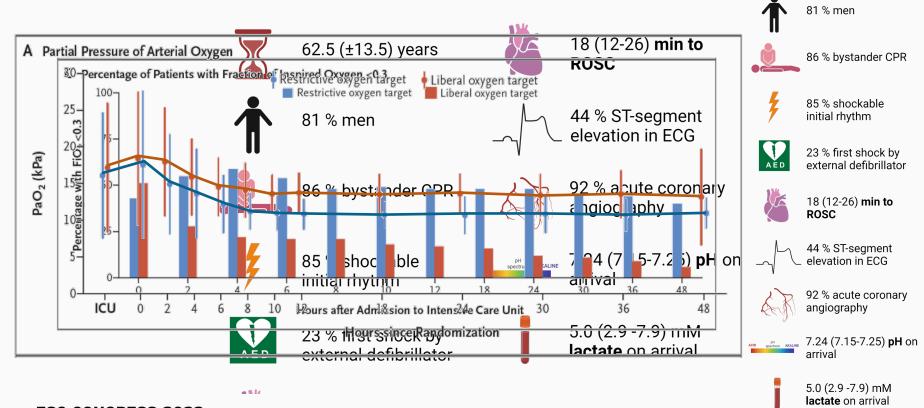
### **Temperature Control**

More than 50% that reach hospital alive will dia in hospital. Oxygenation **Blood** Peessure ???



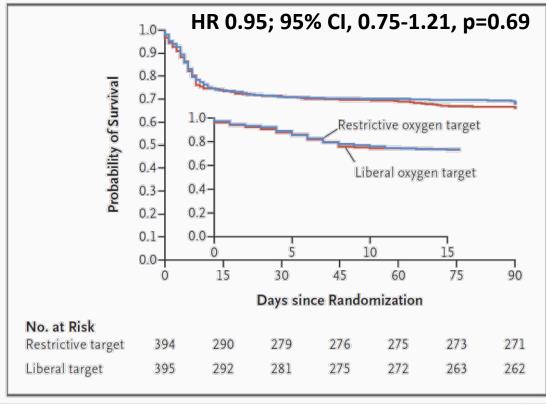
All cause mortality or coma/severe disability at discharge

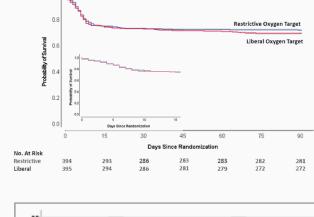
#### **Results – 789 patients**



ESC CONGRESS 2022 Barcelona & Online 62.5 (±13.5) years

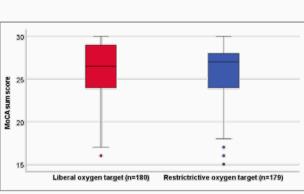
# **Results – All Cause Mortality or Coma/Vegetative State**

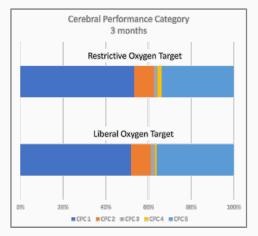


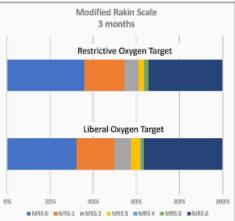




1.0







### Conclusion

### Acknowledgement

 A restrictive oxygenation (PaO<sub>2</sub> of 9 – 10 kPa) or a liberal oxygenation (PaO<sub>2</sub> of 13 – 14) target in comatose patients resuscitated for OHCA did not result in different rates of death or severe disability / coma.

#### ORIGINAL ARTICLE

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H. Schmidt, J. Kjaergaard, C. Hassager, S. Mølstrøm, J. Grand, B. Borregaard, L.E. Roelsgaard Obling, S. Venø, L. Sarkisian, D. Mamaev, L.O. Jensen,
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