



The Intensive Connection



RESEARCH e-MASTER CLASS PROGRAMME

Day 1, January 25, 2022

Morning session

- 09:00 **Welcome and introduction** *A. Conway Morris, N. Nielsen*
- 09:20 **Research in the ICU: critical research in a unique environment** *H.J. de Grooth*
Interactive lecture
Facilitator *C. Robba*
- 10:05 **What are the barriers to research in critical care, how can we overcome them?**
Faculty panel discussion *H.J. de Grooth, N. Juffermans, N. Nielsen, C. Robba*
Facilitators *A. Dessap & J. De Waele*
- 10:50 **BREAK**
- 11:05 **Research at the bedside: how clinicians can apply knowledge from pre-clinical and clinical studies to the patient**
Facilitator *J. De Waele, N. Juffermans*
B. Creagh-Brown
- 11:50 **Introduction to break-out session 1 – populations and research questions**
A. Conway Morris, N. Nielsen
- 11:55 **Break-out session 1 – Outcomes (primary vs. secondary)**
Room 1: *N. Juffermans & N. Nielsen*
Room 2: *A. Dessap & C. Robba*
Room 3: *P. Pova & S. Schaller*
Room 4: *B. Creagh-Brown & H.J. de Grooth*
- 13:00 **END MORNING SESSION**
- LUNCH BREAK**



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Afternoon session

14:00 Welcome back

14:05 **Choosing an outcome measure for a study**

Faculty panel discussion

Facilitators

B. Creagh-Brown, J. Laffey, P. Povo

A. Conway Morris, N. Nielsen

14:45 **Break-out session 2 - Red flags in trial design**

Room 1: *A. Conway Morris & N. Juffermans*

Room 2: *A. Dessap & C. Robba*

Room 3: *H.J. de Groot & P. Povo*

Room 4: *De Waele & S. Schaller*

15:50 BREAK

16:05 **Kahoot**

16:20 **Mortality is not the end, moving beyond fatal outcomes in ICU research**

Interactive lecture

Facilitator

P. Povo

M. Shankar-Hari

16:50 **Food for thought challenge**

A. Conway Morris, N. Nielsen

17:30 END

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Day 2, January 26, 2022

Morning session

09:00 **Day 2 Introduction**

09:15 **Food for Thought Challenge**

A. Conway Morris, N. Nielsen

09:45 **Observational studies are unhelpful in ICU**

A. Conway Morris

Pro-con debate

Facilitator

S. Einav, H.J. de Groot

10:35 BREAK

10:50 **Breakout groups – Design a trial**

Room 1: *J. De Waele & S. Einav*

Room 2: *J. Laffey & P. Povo*

Room 3: *N. Nielsen & C. Robba*

Room 4: *B. Creagh-Brown & A. Dessap*

11:50 **How big is big enough? Study size, attributable risk, effect size and powering made easy**

Interactive lecture

Facilitator

S. Einav

J. Laffey

12:35 **Q&A**

13:00 **END MORNING SESSION**

LUNCH BREAK

Afternoon session

14:00 Welcome back

14:05 **Facilitated Breakout groups - How do we break the streak of negative trials?**

Room 1: *B. Creagh-Brown & P. Povo*

Room 2: *S. Einav & N. Juffermans*

Room 3: *H.J. de Groot & A. Conway Morris*

Room 4: *& A. Dessap & J. De Waele*

15:05 **Biological data, biomarkers and diagnostic studies**

J. Laffey

Interactive lecture

Facilitator

J. De Waele

15:45 BREAK



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16:00 **Facilitated group discussion – bringing it all together. What COVID has taught us about clinical research**

Faculty panel discussion

Facilitators

All faculty

A. Conway Morris, N. Nielsen

16:40 **Final close out session**

All faculty, led by A. Conway Morris, N. Nielsen

17:00 **END**

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