ERS Virtual Research Seminar

**Unravelling Severe Exacerbations of COPD.**

*Collaboration in COPD Exacerbations (CICERO); an ERS Clinical Research Collaboration*

25 June 2021

09:00 – 09:10 Welcome and introduction

**Session 1**  
Characterisation and features of severe exacerbations of COPD

09:10 – 09:25 How can treatable traits be used in severe exacerbations? (Mona Bafadhel, UK)  
09:25 – 09:40 Are severe and moderate exacerbations different entities? (Timm Greulich, DE)  
09:40 – 09:55 What data should be collected during severe exacerbations? (Frits Franssen, NL)  
09:55 – 10:15 Discussion

10:15-10:25  *Break*

**Session 2**  
Addressing the non-pulmonary features of hospitalisation for exacerbations of COPD

10:25 – 10:40 Cardiac dysfunction (Marco Contoli, IT)  
10:40 – 10:55 Sarcopenia and muscle dysfunction (Neil Greening, UK)  
10:55 – 11:10 Palliation and end-of-life care (Daisy Janssen, NL)  
11:10 – 11:30 Discussion

11:30 – 11:40 *Break*

**Session 3**  
Treatments at preventing readmission to hospital for COPD

11:40 – 11:55 Pharmacological treatments (Wim Janssens, BE)  
11:55 – 12:10 Ventilation strategies during and after discharge from hospital (Lara Pisani, IT)  
12:10 – 12:25 Rehabilitation strategies around the time of hospitalisation (Sally Singh, UK)  
12:25 – 12:45 Discussion

12:45 – 13:30 *Lunch break*

*All timings are in Central European Time (CET)*
Session 4  Breakout session:
13:30 – 13:35 Introduction: What are the clinical research questions for severe exacerbations of COPD?
Chairs: Prof Mona Bafadhel, Prof Wim Janssens

13:35 – 15:00 Group 1: Phenotyping exacerbations for inflammation, the microbiome, and response.
What are the key targets?

Group 2: What are the key interventions and outcome measures for severe exacerbations of COPD?

15:00 – 15:40 Round table discussion of breakout sessions
Chairs: Prof Mona Bafadhel, Prof Wim Janssens

15:40 – 15:55 Break

Session 5  New horizons for severe exacerbations of COPD

15:55 – 16:10 What new biomarkers are on the horizon for severe exacerbations? (Pierre-Régis Burgel, FR)
16:10 – 16:25 CT imaging and machine learning for severe exacerbations of COPD – Speaker TBC
16:25 – 16:40 How can real-world data be used to improve outcomes? (Jennifer Quint, UK)
16:40 – 17:00 Discussion

17:00 – 17:10 Break

Session 6  Next steps for Severe Exacerbations of COPD and CICERO
Chairs: Prof Mona Bafadhel and Prof Wim Janssens

17:10 – 17:55 Facilitated discussion on outcomes of seminar and overview of CATALINA study
17:55 – 18:10 Remarks, wrap-up and action points

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