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Diagnostic, prognostic and therapeutic strategies in critically ill COVID–19 patients

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APPENDICES

Contributing Authors and
Affiliations

Author contributions

PRoVENT-COVID Collaborative Group

PRoAcT–COVID Collaborative Group

List of Publications

PhD Portfolio

Curriculum Vitae

Dankwoord

A large, light gray, sans-serif capital letter 'A' is positioned in the upper right quadrant of the page. It is centered vertically relative to the 'APPENDICES' header and is partially overlaid by a vertical black line that runs down the right side of the page.

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PUBLICATIONS C. M. A. VALK

Publications in this thesis

Diagnosing and Severity Classification of ARDS in COVID–19 Patients Under High–flow Nasal Oxygen

Valk CMA, van der Ven FL, van Meenen DMP, Lokhorst A, Go D, Brouwer M, Swart P, Paulus F and Schultz MJ for the PRoAcT–COVID investigators

Submitted

The Prognostic Capacity of the Radiographic Assessment of Lung Edema (RALE)Score in COVID-19 ARDS Patients – RALE–COVID, an international multicenter observational study.

Valk CMA, Zimatore C, Mazzinari G, Pierrakos C, Sivakorn C, Dechsanga J, Grasso S, Beenen L, Bos LD, Paulus F, Schultz MJ, Pisani L.

Frontiers in Medicine. 2022 Jan 5;8:772056.

The RALE–score versus the CT Severity Score in Invasively Ventilated COVID-19 patients—a retrospective study comparing their prognostic capacities

Valk CMA, Zimatore C, Mazzinari G, Pierrakos C, Sivakorn C, Dechsanga J, Grasso S, Beenen L, Bos LD, Paulus F, Schultz MJ, Pisani L

Submitted

Assessment of Lung Reaeration at 2 Levels of Positive End-expiratory Pressure in Patients With Early and Late COVID-19-related Acute Respiratory Distress Syndrome
Smit MR, Beenen L, **Valk CMA**, de Boer MM, Scheerder MJ, Annema JT, Paulus F, Horn J, Vlaar AP, Kooij FO, Hollmann MW, Schultz MJ, Bos LD.

J Thorac Imaging. 2021 Sep 1;36(5):286-293.

Association of early positive end-expiratory pressure settings with ventilator-free days in patients with coronavirus disease 2019 acute respiratory distress syndrome: A secondary analysis of the Practice of VENTilation in COVID-19 study.

Valk CMA, Tsonas AM, Botta M, Bos LD, Pillay J, Serpa Neto A, Schultz MJ, Paulus F, writing committee for the PRoVENT–COVID study Collaborative Group

European Journal of Anaesthesiology. 2021 Dec 1;38(12):1274-1283.

Incidence and Practice of Early Prone Positioning in Invasively Ventilated COVID-19 Patients—Insights from the PRoVENT- COVID Observational Study

Stilma W, van Meenen D, **Valk CMA**, de Bruin H, Paulus F, Serpa Neto A, Schultz MJ for the PRoVENT–COVID Collaborative group
Journal of Clinical Medicine. 2021 Oct 19;10(20):4783..

Practice of adjunctive treatments in critically ill COVID-19 patients-rational for the multicenter observational PRoACT-COVID study in The Netherlands.

Valk CMA, Swart P, Boers LS, Botta M, Bos LDJ, de Abreu MG, Hol L, Hollmann MW, Horn J, Martín–Loeches I, Mazzinari G, Myatra SN, Nijbroek SG, Rosenberg NM, Stilma W, Tsonas AM, van der Ven WH, Serpa Neto A, Schultz MJ, Paulus F.
Ann Transl Med. 2021 May;9(9):813.

Practice of Awake Prone Positioning in Critically Ill COVID–19 Patients—insights from the PRoACT–COVID study

Valk CMA, Stilma W, van Meenen DMP, Morales L, Rimmelzwaai D, Artigas A, A. Serpa Neto, Paulus F, Schultz MJ.
Submitted

Other publications

Rib fractures after reirradiation plus hyperthermia for recurrent breast cancer: Predictive factors.

Valk CMA, Oldenburg S, van Os R, Oei B, Venselaar J, Zum Vörde Sive Vörding P, van Randen A, Crezee H, van Tienhoven G, Rash C.
Strahlenther Onkol. 2016 Apr;192(4):240-7.

Publications as collaborator PRoVENT-COVID Collaborative Group

Hol L, Van Oosten P, Nijbroek S, et al.

The effect of age on ventilation management and clinical outcomes in critically ill COVID-19 patients-insights from the PRoVENT-COVID study.

Aging 2022;14

Tsonas AM, Botta M, Horn J, et al.

Practice of tracheostomy in patients with acute respiratory failure related to COVID-19 - Insights from the PRoVENT-COVID study.

Pulmonology 2022; 28:18-27

Roosman JP, Mazzinari G, Serpa Neto A, et al.

Prognostication using SpO₂/FiO₂ in invasively ventilated ICU patients with ARDS due to COVID-19 - Insights from the PRoVENT-COVID study.

J Crit Care 2021;68:31-37.

Bos LDJ, Sjoding M, Sinha P, et al.

Longitudinal respiratory subphenotypes in patients with COVID-19-related acute respiratory distress syndrome: results from three observational cohorts.

Lancet Respir Med 2021;9:1377-1386

Schuijt MTU, Martin-Loeches I, Schultz MJ, et al.

Mortality associated with early changes in ARDS severity in COVID-19 patients - Insights from the PRoVENT-COVID study.

J Crit Care 2021;65:237-245

Schuijt MTU, Schultz MJ, Paulus F, et al.

Association of intensity of ventilation with 28-day mortality in COVID-19 patients with acute respiratory failure: insights from the PRoVENT-COVID study.

Crit Care 2021; 25:283

Morales-Quinteros L, Neto AS, Artigas A, et al.

Dead space estimates may not be independently associated with 28-day mortality in COVID-19 ARDS.

Crit Care 2021; 25:171

Schavemaker R, Schultz MJ, Lagrand WK, et al.

Associations of Body Mass Index with Ventilation Management and Clinical Outcomes in Invasively Ventilated Patients with ARDS Related to COVID-19-Insights from the PRoVENT-COVID Study.

J Clin Med 2021;10:1176

PHD PORTFOLIO

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PhD period: June 2020 – June 2022
Promotor: Prof. dr. M. J. Schultz
Co-promotor: Dr. F. Paulus

General courses

Practical Biostatistics	2021
NFU eBROK	2021
The AMC World of Science	2021
Computing R cursus	2021
Basic Life Support (BLS)	2021

Workshops or master classes

Workshop how to give a presentation	2021
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Presentations

Newsflash: Dexmedetomidine for facilitating mechanical ventilation extubation in difficult to wean ICU patients: systematic review and meta-analysis of clinical trials.	2020
--	------

Intensive Care department, Amsterdam UMC, location AMC

Critically Appraised Topic: The use of Mannitol in patients with an intra-cranial bleeding and high intra-cranial pressure.	2020
---	------

Intensive Care department, Amsterdam UMC, location AMC

Best abstract oral presentation about the association of early PEEP settings with ventilator-free days in patients with ARDS due to COVID-19.	2021
---	------

European Respiratory Society (ERS) International congress 2021

Several lectures for nurses and residents to introduce the TrachFlush study.	2021
--	------

Intensive Care department, Amsterdam UMC, location AMC

Lecture about the assumptions of statistical analyses	2021
---	------

(Inter)national conferences

European Respiratory Society (ERS) International congress Barcelona	2021
---	------

Other activities

Screen service clinical studies intensive care unit AMC	2021 - 2022
Intensive Care journal club (monthly)	2020 - 2022
Intensive Care Research meeting (weekly)	2020 - 2022
Laboratory of Experimental Intensive Care and Anaesthesia (LEICA) meeting (weekly)	2020 - 2022

Tutoring and Mentoring

Bart Hoogervorst, Bachelor thesis (Medicine)	2021
Eva Verhoef, Bachelor thesis (Medicine)	2021
Merel Bevers, Bachelor thesis (Medicine)	2021
Daantje Remmelzwaal Bachelor thesis (Medicine)	2021
Davin Go, Bachelor thesis (Medicine)	2021
Amanda Lokhorst, Bachelor thesis (Medicine)	2021
Nader Yaali, Master thesis (Medicine)	2021
Alexander Vis, Master thesis (Medicine)	2021
Sara Ali, Master thesis (Medicine)	2021
Marielle Verboom, Master thesis (Medicine)	2021

Awards and Prizes

European Respiratory Society (ERS) Best abstract award	2021
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Clinical work

Resident not in training at Intensive Care department, Amsterdam UMC, location AMC	2020
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CURRICULUM VITAE

Christel Valk was born on September 1st, 1992 in Veghel, the Netherlands. She grew up together with her older brother in a small town in West-Friesland. She finished pre-university education in 2010 at the “Tabor College Oscar Romero”. Directly after high school she started to study Medicine at the University of Amsterdam. After finishing medical school in 2017, Christel began to work as a resident at the Intensive Care Department. During her work as a clinician, the COVID–19 pandemic hit and she had the ambition to improve the prognosis and knowledge about COVID–19 in critically ill patients admitted at the Intensive Care. Next to her clinical work, she started doing research in critically ill COVID–19 patients. In June 2020, she decided to apply for a PhD and was accepted at the Intensive Care Department of the Amsterdam University Medical Centers, location AMC. Christel became coordinator of a large observational study regarding adjunctive treatments in COVID–19 patients, of which the results are presented in this thesis.

DANKWOORD

Op deze manier wil ik iedereen bedanken die mij heeft geholpen met het tot stand brengen van mijn proefschrift. Dit bedoel ik in de breedste zin van het woord. Mijn dank betreft zowel mijn directe samenwerking met collega's binnen de projecten, maar ook vrienden en collega's die mij, onder het genot van een kop koffie, een luisterend oor hebben geboden.

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