Lennie Derde
Epidemiology of Sepsis and Inflammation Group
Medische Staf Intensive Care
Infection & Immunity
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Biography

Lennie is an ICU consultant in the UMC Utrecht, with a background in infectious diseases and epidemiology. She co-leads (with Olaf Cremer) the "epidemiology of sepsis and inflammation" research group. Her research focuses on clinical trials in critically ill patients, especially those with sepsis and severe infections, to improve trial methodology/design, delivery, and analysis. Lennie is the European PI and immediate past global chair of REMAP-CAP, and a co-applicant and work package leader on EU-funded projects like RECOVER and ECRAID-Base, leads the ZonMw funded IMPRINT consortium and is co-applicant on several international collaborative grants. She is a member of the Steering Committee for the Surviving Sepsis Campaign and the ISAB of Sepsis Canada.

Biography

KEY TEACHING ACTIVITIES
Faculty ESICM Sustainability Masterclass (2024-present), Research Masterclass (2022-present), and Sepsis and Severe Infections Masterclass (2017-present)
Organizer Dutch ICU Fellows Education (GIC) on Infectious Diseases in ICU 2013-present
CONFERENCES and SEMINARS
Invited (inter-)national speaker for NVIC, CCR, ESICM, CCCF, ISICEM, ESCMID, ERS, Sepsis Update, ANZICS/ACCCN ASM (Keynote), International Sepsis Forum, and others
SERVICE
UMCU internal DSMB 2024-present
Co-vice chair for ESICM (since 2023) and Steering Committee member (since 2025) Surviving Sepsis Campaign
EMPRESS DSMB 2023-present
Ecraid Coordinating Committee 2022-present
Member International Advisory Board of Sepsis Canada 2021-present
ESICM Executive Committee 2022-2024
Chair ESICM Education and Training Committee 2022-2024
Chair International Trial Steering Committee REMAP-CAP 2021-2023
Member “Pandemic Preparedness Plan” committee for Dutch National Academy of Sciences (KNAW) 2021-2022
Taskforce Acute Infectious Threats for Dutch National ICU Society (NVIC) 2018-present (chair 2019-2021)

Qualifications

Specialization Intensive Care Medicine
2010 → 2013

PhD "Controlling antibiotic resistance in ICU"
2007 → 2013

Specialization Infectious Diseases
2006 → 2008

Specialization Internal Medicine
2002 → 2011

MSc Medicine (+internships), Vrije Universiteit
1994 → 2001

Employment

Epi Infectieziekten Team 1
UMC Utrecht
6 Sept 2024 → 31 Dec 9999

Medische Staf Intensive Care
UMC Utrecht
6 Sept 2024 → 31 Dec 9999

Infection &Immunity
Research UMC Utrecht
Utrecht, Netherlands
1 May 2013 → present

Research outputs

Maggiorini M, Derde L, Duska F, Istrate GM, Povoa P. **From competence to entrustment: strengthening clinical autonomy within the ESICM educational framework**. Intensive Care Medicine. 2026 Aug;52(8):1821-1823. Epub 2026 Jul 9. doi: 10.1007/s00134-026-08438-x

Ivermectin for Critically and Noncritically Ill Hospitalized Patients With COVID-19: Randomized, Embedded, Multifactorial Adaptive Platform Trial for Community-Acquired Pneumonia (REMAP-CAP). Critical care medicine. 2026 Jul 1;54(7):1546-1562. Epub 2026 May 8. doi: 10.1097/CCM.0000000000007134

Bradbury CA, McVerry BJ, Lawler PR, Angus DC, Annane D, Arabi YM et al. **Intermediate Dose Heparin Thromboprophylaxis among Critically Ill Patients with COVID-19: a randomized clinical trial**. Journal of thrombosis and haemostasis : JTH. 2026 Jul;24(7):2492-2505. Epub 2026 Mar 25. doi: 10.1016/j.jtha.2026.03.006

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Heming N, Rudd KE, Murthy S, Angus DC, Teja B, Derde L et al. **Which issues should be addressed in future trials regarding the use of corticosteroids in community acquired pneumonia? A survey of REMAP-CAP investigators**. Intensive Care Medicine. 2026 Jul;52(7):1584-1586. doi: 10.1007/s00134-026-08445-y

de Jong A, van Hout D, Verberk J, Hensgens M, van der Velden A, van de Wijgert JH et al. **Considerations raised during the regulatory and ethics review of platform clinical trials in infectious diseases**. Contemporary clinical trials communications. 2026 Jun;51:101633. Epub 2026 Mar 26. doi: 10.1016/j.conctc.2026.101633

Prescott HC, Antonelli M, Alhazzani W, Møller MH, Alshamsi F, Azevedo LCP et al. **Publisher Correction: Surviving Sepsis Campaign: international guidelines for management of sepsis and septic shock 2026 (Intensive Care Medicine, (2026), 10.1007/s00134-026-08361-1)**. Intensive Care Medicine. 2026 Jun;52(6):1411-1413. Epub 2026 May 5. doi: 10.1007/s00134-026-08410-9

Myatra SN, Nasa P, Chanchalani GP, Zimmerman JL, Venkatesh B, Machado FR et al. **Gender equality and equity in intensive care: an international Delphi consensus study**. Intensive Care Medicine. 2026 May;52(5):1035-1050. Epub 2026 Apr 15. doi: 10.1007/s00134-026-08394-6

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Prescott HC, Antonelli M, Alhazzani W, Møller MH, Alshamsi F, Azevedo LCP et al. **Executive Summary: Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2026**. Critical care medicine. 2026 Apr 1;54(4):715-724. 10.1097/CCM.0000000000007089. Epub 2026 Mar 23. doi: 10.1097/CCM.0000000000007089

Prescott HC, Antonelli M, Alhazzani W, Møller MH, Alshamsi F, Azevedo LCP et al. **Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2026**. Critical care medicine. 2026 Apr 1;54(4):725-812. Epub 2026 Mar 23. doi: 10.1097/CCM.0000000000007075

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Finfer S, Derde LPG, Hammond NE, Delaney A. **11 - Trials**. In Oh's Intensive Care Manual. Elsevier. 2026. p. 89-98 doi: 10.1016/B978-0-443-11611-7.00011-6

Haitsma Mulier JLG, van Leer B, Beijer-Verduin JJ, de Grooth HJS, Lavalaye J, Noordzij PG et al. **Determinants of diagnostic yield and scan quality of [18F]FDG PET/CT in critically ill patients suspected of infection or inflammation of unknown origin.** Critical care (London, England). 2026;30(1):256. Epub 2026 Apr 10. doi: 10.1186/s13054-026-06005-w

van Leer B, Haitsma Mulier JLG, van Stee CP, Demenaga KM, Slart RHJA, van Meurs M et al. **[18F]FDG PET/CT identifies infectious and inflammatory foci in persistent critical illness.** Annals of Intensive Care. 2025 Dec;15(1):24. doi: 10.1186/s13613-025-01444-0

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Derde L, Gordon AC, Mouncey PR, Al-Beidh F, Rowan KM, Nichol AD et al. **Tocilizumab, sarilumab and anakinra in critically ill patients with COVID-19: a randomised, controlled, open-label, adaptive platform trial**. Thorax. 2025 Jul 15;80(8):530-539. doi.org/10.1136/thorax-2024-222488. Epub 2025 May 13. doi: 10.1136/thorax-2024-222488

Rademaker E, Filippini DFL, Haitsma Mulier JLG, Slim MA, van Amstel RBE, Bhavani SV et al. **Immunobiological effects of tocilizumab across respiratory subphenotypes in COVID-19 ARDS**. Intensive Care Medicine Experimental. 2025 Jul 9;13(1):70. doi: 10.1186/s40635-025-00779-z

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Martin FP, Poulain C, Mulier JH, Motos A, Gourain V, Ogan I et al. **Identification and validation of robust hospital-acquired pneumonia subphenotypes associated with all-cause mortality: a multi-cohort derivation and validation**. Intensive Care Medicine. 2025;51(4):692–707. 101353. Epub 2025 Apr 22. doi: 10.1007/s00134-025-07884-3

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Gómez H, Derde LPG. **Sodium-Glucose Cotransporter 2 Therapy for Acute Organ Dysfunction in Critically Ill Patients**. JAMA. 2024 Aug 6;332(5):377-379. Epub 2024 Jun 14. doi: 10.1001/jama.2024.10171

Verlaan D, Derde LPG, van der Poll T, Bonten MJM, Cremer OL. **Examining pancreatic stone protein response in ICU-acquired bloodstream infections: a matched event analysis**. Intensive Care Medicine Experimental. 2024 May 28;12(1):50. doi: 10.1186/s40635-024-00634-7

The effect of immunosuppressive therapies on the endothelial host response in critically ill COVID-19 patients. Scientific Reports. 2024 Apr 20;14(1):9113. doi: 10.1038/s41598-024-59385-w

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Cremer OL. **Intravenous Vitamin C for Patients Hospitalized With COVID-19: Two Harmonized Randomized Clinical Trials** . JAMA. 2023 Nov 14;330(18):1745-1759. 330. Epub 2023 Oct 25. doi: 10.1001/jama.2023.21407

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Continuation of therapeutic dose heparin for critically ill patients with COVID-19. Intensive Care Medicine. 2023 Jul;49(7):873-875. doi: 10.1007/s00134-023-07095-8

de Mul N, Verlaan D, Ruurda JP, van Grevenstein WMU, Hagendoorn J, de Borst GJ et al. **Cohort profile of PLUTO: a perioperative biobank focusing on prediction and early diagnosis of postoperative complications**. BMJ Open. 2023 Apr 19;13(4):e068970. doi: 10.1136/bmjopen-2022-068970

Effect of Angiotensin-Converting Enzyme Inhibitor and Angiotensin Receptor Blocker Initiation on Organ Support–Free Days in Patients Hospitalized With COVID-19: A Randomized Clinical Trial. JAMA - The Journal of The American Medical Association. 2023 Apr 11;329(14):1183-1196. doi: 10.1001/jama.2023.4480

Martin-Loeches I, Torres A, Nagavci B, Aliberti S, Antonelli M, Bassetti M et al. **ERS/ESICM/ESCMID/ALAT guidelines for the management of severe community-acquired pneumonia**. The European respiratory journal. 2023 Apr 1;61(4):2200735. doi: 10.1183/13993003.00735-2022

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Platform trials as the way forward in infectious disease' clinical research: the case of coronavirus disease 2019. Clinical Microbiology and Infection. 2023 Mar;29(3):277-280. doi: 10.1016/j.cmi.2022.11.022

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Effect of Convalescent Plasma on Organ Support-Free Days in Critically Ill Patients With COVID-19: A Randomized Clinical Trial. JAMA - The Journal of The American Medical Association. 2021 Nov 2;326(17):1690-1702. Epub 2021 Oct 4. doi: 10.1001/jama.2021.18178

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