

ALEXANDER VIKTOR ERIKSEN, MD

Physician & PhD Fellow in Geriatric Medicine

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EXECUTIVE PROFILE

Physician and PhD Fellow combining clinical expertise in geriatric medicine with applied artificial intelligence research, with a primary focus on LLM diagnostic reasoning and clinical decision systems. First author in *NEJM AI* (Inaugural Edition) and active peer reviewer for *Nature* and *Nature Portfolio* journals. Principal investigator of a multi-center randomized controlled trial evaluating cross-sectoral, point-of-care digital health interventions to reduce hospital readmissions.

EDUCATION & CLINICAL TRAINING

PhD Fellow in Geriatric Medicine & Health Services **2022 – Present**

University of Southern Denmark / Odense University Hospital

- *Thesis:* Cross-sectoral follow-up and point-of-care digital health interventions after hospital discharge (The G-UD Trial).
- *Primary Supervisor:* Prof. Karen Andersen-Ranberg, MD, PhD.

Resident in Geriatric Medicine (HU-Læge)

Dec 2023 – Present

Odense University Hospital / Hospital Sønderjylland

- Specialist residency rotations across acute geriatric evaluation, orthogeriatrics, cognitive disorders, and geriatric telehealth.

Medical Doctor (Cand.med. / MD)

Feb 2014 – Feb 2020

University of Southern Denmark (SDU)

PREVIOUS CLINICAL APPOINTMENTS

- **Registrar / Acting Senior Resident (Uklassificeret G-Bagvagt)** **Mar 2022 – Nov 2022**
Dept. of Geriatrics, Odense University Hospital
- **Introduction Resident (Introlæge)** **Mar 2021 – Feb 2022**
Dept. of Geriatrics, Odense University Hospital
- **Clinical Fellow (Lægevikar)** **Feb 2021**
Dept. of Geriatrics, Svendborg Hospital
- **Clinical Foundation Training (KBU Internship)** **Feb 2020 – Jan 2021**
 - *General Practice:* Lægehuset Østergade, Esbjerg (Sep 2020 – Jan 2021)
 - *Acute Medicine & Pulmonology:* Sydvestjysk Hospital, Esbjerg (Feb 2020 – Aug 2020)

PEER-REVIEWED PUBLICATIONS

1. **Eriksen AV**, Beck SH, Nielsen D, et al.
Cross-sectoral follow-up after hospital discharge from a geriatric ward: a study protocol of a randomised controlled trial (G-UD).
Trials 26, 234 (2025). DOI: 10.1186/s13063-025-08922-7
2. Luo X, Tham YC, Giuffrè M, **Eriksen AV**, et al.
Reporting guideline for the use of Generative Artificial Intelligence tools in MEDical Research: the GAMER Statement.
BMJ Evidence-Based Medicine (2025). DOI: 10.1136/bmjebm-2025-113825
3. Mitchell A, Ogliari G, Burton JK, Clegg A, Todd O, **EuGMS Big Data Special Interest Group (incl. Eriksen AV)**.
Call to collaborate on data science for older people across Europe: an EuGMS Big Data Special Interest Group position paper.
European Geriatric Medicine 16, 1561–1565 (2025). DOI: 10.1007/s41999-025-01276-y

4. **Eriksen AV**, Moller S, Ryg J.
Use of GPT-4 to Diagnose Complex Clinical Cases.
NEJM AI 1(1) (2023). DOI: 10.1056/AIp2300031
5. **Eriksen AV**, Thrane MD, Matzen L, Ryg J, Andersen-Ranberg K.
Older patients acutely admitted and readmitted to the same geriatric department: a descriptive cohort study.
European Geriatric Medicine 13, 1105–1114 (2022). DOI: 10.1007/s41999-022-00670-0

Book Chapters

- **Eriksen AV**, et al. *Kapitel: Geriatriske Cases [Geriatric Cases]*. Munksgaard / FADL (2024).

EDITORIAL & PEER REVIEW ACTIVITIES

- **Nature** (2025) — Verified Peer Reviewer ("*Towards Accurate Differential Diagnosis with Large Language Models*", DOI: 10.1038/s41586-025-08869-4)
- **Nature Medicine** (2025) — Peer Reviewer
- **Neuropsychopharmacology** (2025, Nature Portfolio) — Peer Reviewer ("*Clinical decision support for bipolar depression using LLMs*", DOI: 10.1038/s41386-024-01841-2)

INVITED TALKS & PRESENTATIONS

- **Invited Teaching Faculty** **Dec 2026**
10th Cardiology Update London — Session: AI in Cardiovascular Medicine ("*Diagnosing cardiovascular disease with AI*"), Hallam Conference Centre, London.
- **Invited Speaker** **May 2024**
AI in Healthcare: Advancing Patient Outcomes and Responsible Governance — Organized by IDA & DSKS, IDA Conference Center, Copenhagen ("*Complex Clinical Cases Diagnosed by GPT-4*").
- **Poster Presentation** — *EUGMS Congress, Reykjavik* **2025**
"*Cross-sectoral follow-up after hospital discharge from a geriatric ward (G-UD Trial)*".
- **Poster Presentation** — *EUGMS Congress, Krakow* **2019**
"*Risk Factors for Acute Hospital Readmission in Geriatric Patients*".

INDUSTRY & LEADERSHIP EXPERIENCE

Operations & Executive Assistant **2014 – 2020**
Nordthy Biscuits A/S

- Assistant to corporate management alongside medical studies, supporting operations, administration, and logistics workflows.

TECHNICAL COMPETENCIES

- **Medical AI & Informatics:** Foundation model benchmarking in diagnostic reasoning, prompt architecture, autonomous clinical pipelines.
- **Research Methods & Computing:** Stata, Advanced Statistical Modeling, Electronic Health Record (EHR) data extraction.
- **Languages:** Danish (Native), English (Full Professional / Academic Fluency).
- **Memberships:** Danish Society for Geriatrics (Dansk Selskab for Geriatri).

REFERENCES

- **Prof. Karen Andersen-Ranberg, MD, PhD** — Chair Professor & Head of Research, Dept. of Geriatrics, Odense University Hospital / SDU
- **Prof. Jesper Ryg, MD, PhD** — Chair Professor of Geriatric Medicine, University of Copenhagen & Herlev-Gentofte Hospital
- **Dr. Kristian Bergholt Buhl, MD, PhD** — Medical Director (Lægelig Direktør), Odense University Hospital & Svendborg Hospital
- **Dr. Søren Kasch, MD** — Consultant Geriatrician & Director of Clinical Education, Dept. of Geriatrics, OUH