

Aleksander Eiken | Resume



- **Status:** Full-time family doctor and part-time Medical Advisor, LEOiLab.
- **Fields:** Healthcare, Digital Start-Ups, Software Development.
- **Skills:** Clinical practice and research, Programming, Business Development.
- **About me:** I am a passionate and ambitious medical doctor with clinical experience and a proven track record of developing medical software. I am a x5 published medical author within dermatology and endocrinology and I have experience within conducting medical research along with giving presentations at various conferences.

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🌐 [Link to LinkedIn](#)

🌐 Danish

Family Doctor (KBU) ([Private Clinic in Gilleleje](#))

Jun 20 - Present

- Medical consultations for all common diseases.

General Surgery Resident (KBU) ([University Hospital of Nordsjælland](#))

Oct 19 - Jun 20

- I worked as a physician at both the EMR, General Surgery- and Medical Ward along with the hernia ambulatory.
- I was asked to continue after end stay to take shifts as a substitute, when required.

Medical Advisor ([LEO Innovation Lab](#), [LEO Pharma](#))

Jun 16 - Present

- I provide medical advice for multiple LEO-funded software start-ups within remote clinical trials and A.I and develop minor medical software application within the programming language R.
- I designed and conducted two fully remote clinical trials with psoriasis and atopic dermatitis patients.
- Business development responsibilities including initiation of multiple projects and trials with hospitals in both Denmark (Steno Diabetes Center) and USA (Mayo Clinic, Memorial Sloan Kettering).

TMCx Digital Health Accelerator Program ([Texas Medical Center, Houston](#))

Feb 18 - Jul 18

- I participated in Texas Medical Center's digital health start-up accelerator with Klikkit. www.justklikkit.com
- I initiated clinical testing of Klikkit with three major US hospitals (Houston Methodist, Texas' Children's and Memorial Hermann) within 3 months.

Student Assistant at Global Medical Affairs ([LEO Pharma](#))

Feb 14 - Jun 16

- Clinical comparison of novel drugs within dermatology and creation of publication alerts for stakeholders to enlighten about new publications.



Danish ●●●●●

English ●●●●●

German ●●●●●

Master of Medicine ([University of Copenhagen](#))

Sep 11 - Jun 17

- Graduated with an average grade (bachelor and master) of 11.2 out of 12.
- Master Project: Changes in the enterohepatic bile acid circulation after Roux-en-Y Gastric Bypass Surgery, Grade: 12.

Internship at Houston Methodist Hospital ([Texas, USA](#))

Sep 15 - Nov 15

- **Departments:** Transplant, General Surgery, Anaesthesia, Vascular Surgery.

Mechanical Engineering ([Technical University of Denmark](#))

Sep 10 - Jun 11

- Average grade: 10.5 out of 12.
- **Subjects:** Mathematics (including statistics), Physics, Chemistry and Strength of Materials.

Experience

Education

Peer-reviewed publications:

A. Eiken, J. Thode, B. Thorsteinsson, P. Eiken · *Rapid response to: The rise and rise of vitamin D testing* · *BMJ online letter* 2012;345:e4743, available via [this link](#).

C. Dirksen, **A. Eiken**, K.N. Bojsen-Møller, M. Svane et al. · *No islet cell hyperfunction, but altered gut-islet regulation and postprandial hypoglycemia in glucose tolerant patients 3 years after gastric bypass surgery* · *Obes. Surg.* 2016 Sep;26(9):2263-7

K.M. Jørgensen, C. Vestergaard, M.S. Jørgensen, **A. Eiken** et al. · *Memory Buttons in Combination With Mobile Application-Induced Objective and Subjective Effects in Patients With Atopic Dermatitis* · *Dermatol Res Pract.* 2020 Feb 13;2020:8915893

A. Eiken, S. Fuglsang, M. Eiken, et al. · *Bilio-enteric Flow and Plasma Concentrations of Bile Acids After Gastric Bypass and Sleeve Gastrectomy* · *Int J Obes* 2020 Apr.

Z. Ali, K. Anderson, A. Chiriac, A.D. Andersen, A.P. Isberg, F.G. Moreno **A. Eiken** et al. · *High Adherence and Low Dropout Rate in a Virtual Clinical Study of Atopic Dermatitis Through Weekly Reward-Based Personalized Genetic Lifestyle Reports* · *PLoS One* 2020 Jul 2;15(7):e0235500

Non Peer-reviewed publications:

B. E. Katz, **A. Eiken**, V. Misev, J. R. Zibert · *Optimize clinical trial recruitment with digital platforms* · *Dermatology Times* 2019 Jan;40(1)



I live with my fiancée and my son, who is 14 months old.

Danish Society of Endocrinology (Odense, Denmark)

Jan 2015

» **A. Eiken**, K.N. Bojsen-Møller, N.B. Jørgensen et al: High risk of postprandial hypoglycemia after Roux-en-Y gastric bypass surgery in subjects with normal glucose tolerance. **Oral Presentation**

North Europe Young Diabetologists (Amsterdam, Holland)

May 2015

» **A. Eiken**, K.N. Bojsen-Møller, N.B. Jørgensen et al: High risk of postprandial hypoglycemia after Roux-en-Y gastric bypass surgery in subjects with normal glucose tolerance. **Oral Presentation**
Award: Best Oral Presentation

European Association for the study of Diabetes (Lisbon, Portugal)

Sep 2017

» **A. Eiken**, S. Fuglsang, M. Eiken, M.S. Svane, J.J. Holst et al: Roux-en-Y gastric bypass results in rapid postprandial mixing of bile and foods and augmented enterohepatic bile acid retention.
Poster Number: 620, **Oral Presentation**

American Academy of Dermatology (San Diego, CA, USA)

Feb 2018

» **A. Eiken**, S.R. Feldman, W. Walmink, J.R. Zibert: Can Telemedicine 'Psoriasis Severity Assessments' Contribute to Better Psoriasis Management?, Poster Number: 7391

American Diabetes Association (Orlando, FL, USA)

Jun 2018

» **A. Eiken**, S. Fuglsang, M. Eiken, M.S. Svane, J.J. Holst et al.: After Roux-en-Y Gastric Bypass, Enterohepatic Bile Circulation is Altered and Bile Acid Retention Increased while Bile Acid Homeostasis Remains Normal after Sleeve Gastrectomy. Poster Number: 2059-P, **Oral Presentation**

European Academy of Dermatology and Venerology (Paris, France)

Sep 2018

» K.M. Jørgensen, C. Vestergaard, **A. Eiken** et al.: Memory buttons, a supportive mobile application and topical treatment induced additive improvements in atopic dermatitis? Poster Number: P0304

American Academy of Dermatology (Denver, CO, USA)

Mar 2020

» **A. Eiken**, C. Laugesen, A. Isberg, et. al.: Passively collected data from smartphones correlate with subjective disease severity in Atopic Dermatitis, Poster Number: 16825. **Oral Presentation.**
Conference was cancelled due to COVID19.

Publications

Selected Conferences

R

Data analysis and visualization

I am skilled in using both R base and the tidyverse packages (including dplyr, tidyr and ggplot2) for data transformation, statistical analysis and visualisation.

Report Automation via rMarkdown in PDF or HTML

I automated motivational DNA reports along with data reports for patients in a clinical trial, for the purpose of increasing retention during the trial: This software application utilized clinical trial data (the patients' own DNA and collected data), visualized the data in a PDF report and automatically send the reports encrypted to the trial participants. This project was built within a docker image for easy sharing with colleagues.

Software applications via Shiny

I have built and deployed several Shiny web applications including apps for data visualization via ggplot2, clinical trial execution with automation of e-mails and SMS messages to patients and integrations via API's to pubmed.org, the GWAS Catalogue and ensembl.org, the latter two for accessing genetic data. Examples include: [GWAS and Ensembl data retrieval](#) and [PubMed](#).

Python3

Clinical Trial Subject Class

I created a Class representing a clinical trial subject, allowing automation of SMS and emails to trial subjects during clinical trial participation.

Web Scraping

Basic Web Scraping via Selenium and BeautifulSoup4.

L^AT_EX**Customized layout for clinical trial reporting**

Added individualized content to a PDF template, in order to generate multiple, individualized reports via rMarkdown.

Scientific reporting

Capable of using L^AT_EX for generating scientific reports.

Software Skills



Tennis · Running · 3D-printing · Raspberry Pi · Programming · Travel

Course in Clinical Endocrinology ([Toscana, Italy](#))

Sep 14

- » 25 hours brush up on clinical endocrinology for general practitioners.

John Hopkins' University's course in R programming ([Online course](#))

Feb 15

- » Data transformation, analysis and visualisation in R.

MSD Cardiovascular and Diabetes Symposia ([Stockholm, Sweden](#))

Sep 15

- » Two days course in the association between Cardiovascular diseases and diabetes.

KBU courses ([Copenhagen, Denmark](#))

Autumn 19

- » Advanced resuscitation, transportation of critical patients and safe communication.

Dermatology, 1 week clinical internship ([Copenhagen, Denmark](#))

July 20

- » Internship at Bispebjerg University Hospital. Focus areas: Psoriasis, AD and skin cancers.

Courses