

# Dr. med. Aileen Hill

## Curriculum vitae

### Personal Information

Aileen Hill (maiden name: Aileen Erben)  
\*1988 in Jena/ Germany

Email: ahill@ukaachen.de  
Family Status: married, 3 sons (\*2013, \*2015 and \*2020)  
Nationality: German  
Living country: Belgium



### Scientific career

- Since 2023 **Central Coordination for Doctoral Candidates and Research support**  
Department of Anaesthesiology, University Hospital RWTH Aachen
- Since 2023 **Mentor in the TANDEM-mentoring program**  
Medical Faculty RWTH Aachen
- 09/2022 **Teacher for Life-Long Learning**  
European Society for Clinical Nutrition and Metabolism
- 2022 – 2024 **ESPEN Early Career Faculty Membership**  
European Society for Clinical Nutrition and Metabolism
- 01/22 – 12/25 **Habilitationstipendium** Stipend, Medical Faculty RWTH Aachen
- Since 2021 **Leader of Working group “Perioperative optimization and nutritional medicine”**  
University Hospital RWTH Aachen
- 09/2021 **ESPEN Diploma**, European Society for Clinical Nutrition and Metabolism
- 01/21 – 11/21 **FF-Med Stipend**, Medical Faculty RWTH Aachen and Ministry of Culture and Science of the State of North Rhine-Westphalia
- Since 04/19 **Mentee in the WAKWiN Mentoring Program**  
German Society for Anesthesiology and Intensive Care Medicine
- 01/19 – 01/20 **Clinician Scientist** Stipend, Medical Faculty RWTH Aachen
- 03/18 – 07/20 **Clinical research fellow in the Department of Pediatrics**  
University Hospital RWTH Aachen
- Local coordinating investigator for the KiDSafe Study
  - Topic: Evaluation of adverse reactions in pediatric drug therapy
- Since 10/17 **Mentee in the TANDEMPeerMED mentoring-program**  
Medical Faculty RWTH Aachen
- Since 04/17 **Research fellow at “3CARE - cardiovascular critical care & anesthesia evaluation and research”**  
University Hospital RWTH Aachen, Department of Anesthesiology and Department of Operative Intensive Care Medicine
- Focus on nutrition support in critically ill and cardiac surgery patients
- 12/15 **Achieved medical doctorate degree (Dr. med.)**
- University Hospital Aachen, Department of Pediatrics, Section Neonatology (Prof. Dr. med. Th. Orlikowsky)
  - Topic: extracorporeal membrane oxygenation in premature lambs
  - Grade: Very good

## Clinical Career

04/2024	<b>Specialist Anesthesiology and Intensive Care Medicine</b> (Fachärztin Anästhesiologie)
10/2021	<b>Nutritional Medicine</b> , ESPEN and Medical Chamber North Rhine-Westphalia
2018	<b>Emergency Medicine</b> , Medical Chamber North Rhine-Westphalia
Since 2015	Residency, Departments of Anesthesiology & Intensive Care Medicine University Hospital RWTH Aachen

## Education

07/2015	Graduation RWTH Aachen University and received approbation as medical doctor
06/2007	Graduated from the German International School New York <ul style="list-style-type: none"><li>- Certificate of general qualification for university entrance (Abitur) grade "1.0"</li><li>- High School Diploma</li><li>- Prizes: Prize for outstanding overall performance, Scheffel-Prize, Harvard Book Prize Award, Award for Community Service</li></ul>

## Additional Skills:

- Languages: German (first language), English (bilingual proficiency), French (good working knowledge)
- Traditional and digital illustration

## Further Qualifications:

09/2022	Teacher for Life-Long Learning, European Society for Clinical Nutrition and Metabolism
05/2022	Certificate Leadership "Zertifikat Führen", RWTH Aachen University
10/2021	Nutritional medicine "Ernährungsmedizin", Medical Chamber North Rhine Westphalia
09/2021	ESPEN Diploma, European Society for Clinical Nutrition and Metabolism
07/2021	Statistics Certificates: "Design Aspects for Clinical Studies" and "Sample Size Calculation"
04/2020	LAMA Certificate, Certificate for medical teaching Landesakademie für Medizinische Ausbildung
01/2019	Emergency medicine "Notfallmedizin", Medical Chamber North Rhine Westphalia
12/2019	PHTLS Provider
09/2018	Teacher for physical outcome assessment, John Hopkins University, Baltimore
05/2018	GCP-classes (Basic, AMG, MPG), Center for Translational & Clinical Research, RWTH Aachen University
10/2017	ESPEN Course in Clinical Nutrition & Metabolism, European Society for Clinical Nutrition and Metabolism
01/2016	Qualification course: trauma surgery, Medical Faculty RWTH Aachen
09/2015	Qualification course: anesthesiology, Medical Faculty RWTH Aachen

## Memberships:

DGAI	German Society for Anesthesiology and Intensive Care Medicine, Working Section of Young Researchers (WAKWIN) Working Section of Research in Intensive Care (WAKI)
DIVI	German interdisciplinary association for intensive care and emergency medicine Section Metabolism and Nutrition & Section: Young DIVI
ESPEN	European Society for Clinical Nutrition and Metabolism Early Career Faculty, Teacher for Life Long Learning (T-LLL)
DGEM	German Society for Nutritional Medicine Foundation Member Young DGEM
ESICM	European Society of Intensive Care Medicine, Section Feeding, Rehabilitation, Endocrinology & Metabolism (FREM)
ERAS	Society for Enhanced Recovery After Surgery, Section: Cardiac Surgery
BDA	Professional association of German anesthesiologists

## Teaching Profile:

**International:** ESPEN LLL Teacher (Nutritional Medicine)

**National:**

- Certified classes for the specialization "Nutritional medicine": Nutrition in Intensive Care, Prehabilitation
- Medical teaching certificate (LAMA)

**Medical Faculty RWTH Aachen**

- Perioperative Nutrition Qualification profile EM005
- Journal Club Nutrition in Intensive Care Qualification profile EM006
- Workshop Nutrition in Intensive Care Qualification profile EM007
- Anesthesiology and Emergency Medicine "Blockpraktikum"

## Journals:

**Associate Editor:** Clinical Nutrition ESPEN      **Editorial Board:** JPEN

**Peer Reviewer:** Nutrition Research Reviews, Journal of Clinical Medicine, Nutrients, Trials, Nutrition and Health, Drug Design, Development and Therapy, Nutrition, Global Journal of Anesthesiology, Artificial Organs, Journal of Clinical Cases and Reports, Annals of Case Reports, World Journal of Surgical Oncology, BMC Anesthesiology, Annals of Medicine, British Journal of Nutrition, Frontiers in Medicine, Sage Open Medical Case Reports, J, IJERPH

## Scientific Profile: Perioperative Nutrition & Optimization

**Methods:**

- Clinical trials and observational studies
- Systematic reviews and meta-analyses
- Experimental studies (in vitro and animal studies)

**Topics:**

- Macronutrients and their impact on functional outcomes of critically ill patients
- Micronutrients and their influence on systemic inflammation and organ dysfunction
- Organ dysfunction and markers to predict the outcomes
- Oxidative stress: markers & bedside monitoring, influence of oxidative stress on organ dysfunction
- Safety of medical nutrition therapy and drug safety in intensive care

## Research Grants:

2023	IIT-Grant, Fresenius Kabi for "Tele-Prehab" ~50 000 €
2023	START Grant, Medical Faculty RWTH Aachen for "Tele-Prehab" ~ 100 000 €
2023	IIT-Grant from Pascoe Pharma for ACCURATE ~ 300 000 €
2022	Stipend "Habilitationstipendium" Medical Faculty RWTH Aachen, ~150 000 €
2021	Grant from German Research Foundation for VICToRY, 350 000 €
2021	Grant from Fresenius Kabi for PROPER LVAD, 15 000 €
2021	Award: High scoring abstract, ESPEN Society, complementary congress registration
2020	Grant from Lotte & John Hecht Memorial foundation for VICToRY, 447 226 \$
2020	Stipend "FF-Med", Medical Faculty RWTH Aachen and Ministry of Culture and Science of the State of North Rhine-Westphalia, ~31 700 €
2019	Award: ESPEN Travel Fellowship, ESPEN Society, 500 €
2019	Award: High scoring abstract, ESPEN Society, complementary congress registration
2018	IIT-Grant from Fresenius Kabi for PROPER LVAD, ~200 000 €
2018	START Grant, Medical Faculty RWTH Aachen, 25 000 €
2018	Grant from B.Braun Foundation for ADVANCE CSX, 4000 €
2018	Stipend "Clinician Scientist", Medical Faculty RWTH Aachen, ~32 500 €

## Clinical Studies

Short title	Indication	Role	Duration	Study type	Registration
<b>Biomarkers in Cardiac Surgery</b>	Prospective observation of Biomarkers in cardiac surgery	I	01-01-2017 - ongoing	BoÄ	NCT02488876
<b>HYDRATE-CSX</b>	Preoperative hydration in cardiac surgery	I	2018-2020	BoÄ	NCT03938181
<b>KiDSafe</b>	National multicenter study regarding drug administration and safety in children	Coord. I	2017 - 2021	BOA	DRKS 00013924
<b>LIBERAL</b>	National multicenter trial to explore transfusion cutoffs for elderly patients	I	2018 - 2020	AMG	NCT03369210
<b>RE-ENERGIZE</b>	International multicenter trial for enteral glutamine in severely injured burn patients	PI	2017 - 2023	AMG	NCT00985205
<b>SUSTAIN-CSX</b>	International multicenter trial for intravenous selenium in high risk cardiac surgery	Co-PI	2017 - 2023	AMG	NCT02002247
<b>ADVANCE-CSX Pilot</b>	Single center trial for intravenous vitamin c in high-risk cardiac surgery	PI	2017 -2020	AMG	Edura-CT 2019-001086-32
<b>INFO</b>	Single center prospective observation of nutrition and functional outcome in ICU patients	PI	2019-2020	BoÄ	NCT04180852
<b>PROPER-LVAD Pilot</b>	National multicenter trial, prehabilitation in patients before LVAD implantation	PI	2017 - ongoing	BoÄ	NCT04205760
<b>VICToRY</b>	International multicenter trial for intravenous vitamin C in severely injured burn patients	PI	2019 - ongoing	AMG	NCT04138394
<b>ACCURATE</b>	Multicenter trial for intravenous vitamin c in high-risk cardiac surgery	PI	2020 - ongoing	AMG	DRKS0003361 1
<b>FUN Weaning</b>	Observation of nutrition and physiotherapy in patients in the weaning unit	PI	2022 - ongoing	BoÄ	DRKS0003241 3
<b>Tele-Prehab</b>	Multimodal prehabilitation of surgical patients aided by telemedicine	PI	2022 - ongoing	BoÄ	DRKS0003340 9
<b>INTRICATE</b>	Prospective observation of intraoperative hemodynamics and metabolism	PI	2024 - ongoing	BoÄ	

18.06.2024

Dr. med. Aileen Hill