

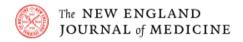
Innovationsforum Hochschulmedizin 27. September 2018

Dr. med. Nils C. Thiessen, MME
Chief Medical Officer





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Perspective

BECOMING A PHYSICIAN

FREE PREVIEW

Lecture Halls without Lectures — A Proposal for Medical Education

Charles G. Prober, M.D., and Chip Heath, Ph.D.

Medical education in this era of a vast medical canon can be improved without increasing the time it takes to earn a medical degree, if we make lessons "stickier" and embrace a learning strategy that is self-paced and mastery-based and that boosts engagement.

Prober, C.G., & Heath, C., NEJM, 366:18 (2012)



Perspective

Saying Goodbye to Lectures in Medical School — Paradigm Shift or Passing Fad?

Richard M. Schwartzstein, M.D., and David H. Roberts, M.D.

Become a doctor, no lectures required."

This headline about the University of Vermont's proposed new approach to medical

lowed. We can often serve our students best by fusing elements of various methods, such as teambased or case-based learning and interactive large-group learning sessions, rather than feeling obliged to adhere to a particular format. But we must also use evi-

Schwartzenstein, RM, Roberts, DH, NEJM, 377:605 (2017)

Regelmäßiger Praxisbezug in Kombination mit kooperativem Lernen online



Relevantes Curriculum Kompetenzbasierte Lernziele

Praxisbezug

Netzwerk von Lehrkrankenhäuserr

EDU – a degree smarter

"Collaborative Learning"

Digitale Lernplattform

Formative & Summative Assessments

Longitudinale Assessments

Curriculum



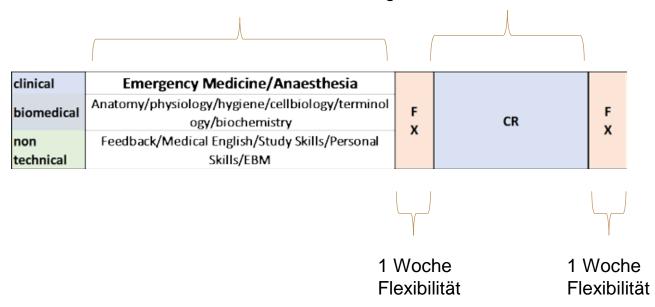
- Kompetenzbasierte Lernziele (Taxonomy of Bloom)
- Übergeordnete Lernziele (Institute for International Medical Education)
- Global Standards (World Federation of Medical Education (WFME))
- Learning Outcomes/Competences for Undergraduate Medical Education in Europe
 - The Tuning Project (Medicine)*
- Diverse Lernzielkataloge:

NKLM, the Scottish Doctor, Schweizer Lernzielkatalog, Framework of Undergraduate Medical Education in the Netherlands, Tomorrows doctors UK

*Projekt der Europäischen Kommission.



8 Wochen "Collaborative Learning" 4 Wochen klinische Rotation



Blueprint EDU Kern-Curriculum



| eeks | | | | | | | | | | | | 20 | ** | ** | ** | | | | | | | | | | | | | | 4.0 | 49 | | | | | , | | | | | |
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Intensivierter Praxisbezug



Rolle der "Teaching Hospitals"

- 3 x 4 Wochen klinische Rotationen / Jahr
- Arzt: Studierendenverhältnis auf Station: 1:1
- Kleingruppenseminare mit 5 Studierenden
- Modulkoordinator

Klinisches Lehrpersonal

- Enge Betreuung durch Ärzt*innen
- Unterstützung durch Tutoren und Mentoren
- Professionelles Feedback nach Feedbackregeln

Auswahl der Teaching Hospitals

- Auswahl nach Qualitätskriterien
- Vorgaben der National Commission for Further and Higher Education in Malta

Lernen ist eine individuelle Aufgabe - die aber online "collaborativ" unterstützt werden kann



1. Team-based Learning

- § Problembasiertes Lernen in Kleingruppen
- § Group Assignments
- § Maximal 5 Studierende pro Gruppe
- Virtual classroom

2. Peer-Learning

- Voneinander und miteinander lernen
- Virtual classroom
- § Online Campus

3. Mentoring & Tutoring

- § Ärztliche Tutoren begleiten die Online-Lerngruppen
- Mentoren begleiten online die persönliche Weiterentwicklung





"Assessment drives learning"



- Klare, vordefinierte Lernziele
- Portfolios online



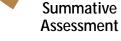


Formative Assessment



Teaching Hospital:

- Mini-Clinical Evaluation
 Exercises (Mini-Cex)
- Direct Observation of Procedural Skills (DOPS)
- 360° Feedback





- Weekly Collaborative Assignments
- Proctored online written tests





Online Platform





Home

My Studies

ab Library

Forum

Student Life

Study Week 3/7



Programme News

02 Jul Week 2 Updates 02 Jul Welcome to Week 3 25 Jun Assignment 1 Updates

- MORE

My Tasks

Publish my Draft Submiss... Practice for Exam Prepare for Clinical Rotation



Messages

Contact Tech Support

My Team (3)



C Contact Teem

Evaluations 0

Comments



Topic: Clinical Competencies

You're ready to take the final Clinical Competencies Exam!

. Take Exirm Now



Topic: Clinical Competencies

Practice for Upcoming Exam Review your knowledge

Go to AMBOSS Now



Study Week 3

Popular Resources

Therspeutic hypothermia

Therapeutic hypothermia

Therapeutic hypothermia

Therapeutic hypothermia

Hot Discussions

Introductions

All materials available for





3D4Medical

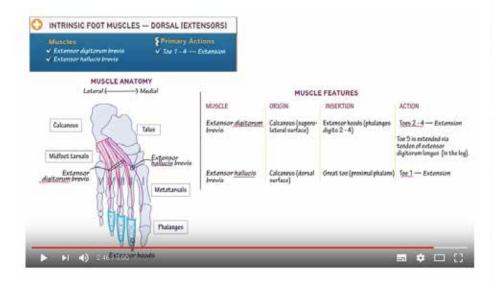




Drawittoknowit - DITKI









Amboss





"Ich habe ausschließlich mit Amboss gelernt und bin durchaus stolz gerade so die Eins geknackt zu haben ;-)."

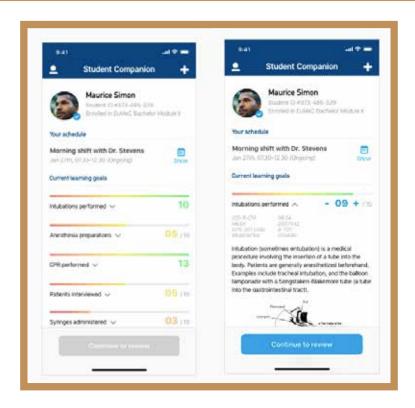
Matthias Brendel, LMU-München

"I have learned exclusively with Amboss and I am quite proud to have just cracked grade A ;-)."

Matthias, Brendel, Munich

Mobile App for Clinical Rotations





3-stufiges Zulassungsverfahren



Phase I:

- **ü** Hochschulzugangsberechtigung
- ü CV
- **ü** Motivationsschreiben

Phase II:

₩ Kein NC: "Cognitive Skills Test"

Phase III:

ü Strukturiertes Interview



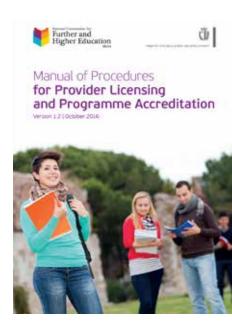
Accreditation





Higher Education Strategy

- EU Member State (EU Directive 2005/36)
- Project for strategic direction and priorities for the European Union's programming period of 2014-2020
- New Accreditation Guidelines since 22nd April 2015 with special emphasis for online and blended learning concepts
- Official Language for Accreditation English
- Strictly regulated accreditation process
 with strict timelines (3 cycles of 30 + 20 working days)
- High quality requirements



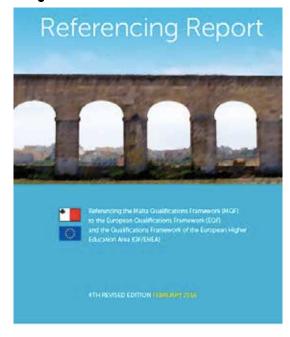


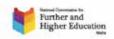


Eligibility for Provider Accreditation

- 1. Accredited programme on the Malta Qualifications Framework/European Qualification Framework;
- 2. Intense Due diligence tests on academic staff and faculty;
- 3. Elaborate Internal Quality Assurance Policy;
- 4. Compliance with venue regulations

Programme Accreditation







Founding Faculty



Prof. Dr. med. Andreas Hoeft (Chairman)

Chair Dept. of Anaesthesiology and Intensive Care Medicine
University Hospital Bonn
Germany

Prof. Dr. med. Wolfgang Buhre

Chair Dept. of Anaesthesiology Maastricht UMC Netherlands

Prof. Dr. Dr. h.c. Günter Burg

Director em. Dermatology & Dermato-Oncology University Hospital Zurich Switzerland

Prof. Mahmoud Elfiky

Surgery and Pediatric Surgery University of Cairo Egypt

Prof. Bruce Biccard

Second Chair Dept. of Anaesthesiology Groote Schuur Hospital South Africa

Prof. Dr. med. Christian Drosten

Director Institute of Virology Charité - University Medicine Berlin Germany

Prof. Gad Keren

Chair Dept. of Cardiology Tel-Aviv Sourasky Medical Center Israel

Prof. Idit Matot

Chair Dept. of Anaesthesiology Tel-Aviv Sourasky Medical Center Israel

Dr. Bernard Mbwele, MSc Clin. Res, Proj Mgt

Epidemiology and Biostatistics University of Dar es Salaam Tansania

Prof. Drorit Neumann

Chair Dept. of Cellbiology University of Tel Aviv Israel

Prof. rer. nat. Dr. med. habil. Christoph Geilen

Prorector Studies and Teaching Medical School Hamburg Germany

Prof. Paolo Pelosi

Chair Dept. of Anaesthesiology and Intensive Care University of Genoa Italy

Prof. Dr. jur. Burkhard Sträter

European Medical Law and Health Legislation Sträter Lawyers, Bonn Germany

Prof. Dr. med. Frank Stüber

Chair Anaesthesiology and Pain Medicine Inselspital, University Hospital Bern Switzerland

Prof. Dr. med. Klaus Van Ackern

Dean Emeritus University Hospital Mannheim Germany

Prof. Dr. med. Armin Welz

Chair Dept. of Cardiac Surgery University Hospital Bonn Germany

Operating Faculty



Prof. Dr. med. Andreas Meier-Hellmann

Chief Medical Officer
HELIOS Headquarters
Rerlin

PD. Dr. med. Peter Reichardt

Chief Physician

Department Internal Medicine Oncology

HELIOS Clinics Berlin-Buch

PD. Dr. med. Heike Bruck

Chief Physician

Department Internal Medicine

HELIOS Clinics Krefeld

Prof. Dr. med. Alexander Kreuter

Chief Physician
Department Dermatology

HELIOS St. Elisabeth Clinics Oberhausen

Apl. Professor Dr. med. habil. Thomas Hermann Erich Steiner

Chief Physician Department Urology HELIOS Clinics Erfurt

Prof. Dr. med. Ralf Kiesslich

Chief Physician

Department Internal Medicine

HELIOS Dr. Horst Schmidt Clinics Wiesbaden

Prof. Dr. med. Clayton Nolan Kraft

Chief Physician

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Department Surgery
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Dr. med. Stefan P. Wirtz

Chief Physician

Department of Anaesthesiology, Intensive Care & Pain Management

HELIOS Clinics Bad Saarow

Prof. Dr. med. Michael Friedrich

Chief Physician

Department of Gynaecology/Obstetrics

HELIOS Clinics Krefeld

Prof. Dr. med. Lothar Schweigerer

Chief Physician Department of Paediatrics

HELIOS Clinics Berlin-Buch

Prof. Dr. med. Marcus Blum

Chief Physician

Department Ophthalmology HELIOS Clinics Berlin-Buch

Prof. Dr. med. Martin Strik

Chief Physician
Department Surgery
HELIOS Clinics Berlin-Buch

Founder





Prof. Dr. med. Andreas Hoeft

Co-founder and Dean of EuMeC.
37 years of experience as a physician,
15 years board member and head of medical
management, University Hospital Bonn, Chair of
Scientific Committee of the European Society of
Anaesthesiology.

"Sustainable approach for centered care will revolutionize medical education"



Holm Keller

Co-founder, Expert in Networked Education and Political Advisor. 20 years of experience in business development, university development and innovation management.

"Collaborative learning will make a decisive change for the quality of education"



Alexander Jahn

Co-founder. Former CEO of Candena GmbH. More than 12 years of executive experience in the media and Internet industry, former Vice President Digital Media at Rertelsmann Inc.



Dr. Jürgen Laartz

Co-founder, seed investor and Strategic Advisor. 24 years of experience as director of the technology office at McKinsey,

"Digitization can unlock the scalability barrier for high-quality education"



Innovationsforum Hochschulmedizin 27. September 2018

Vielen Dank für Ihre Aufmerksamkeit!