Innovations in Medical Education at the University of Basel

Silke Biller, Faculty of Medicine, University of Basel, Switzerland

Swiss Tropical and Public Health Institute, Spring Symposium 2019

"Human Resources for Health – Innovations in Medical Education, Vocational Training and Continuing Professional Development"
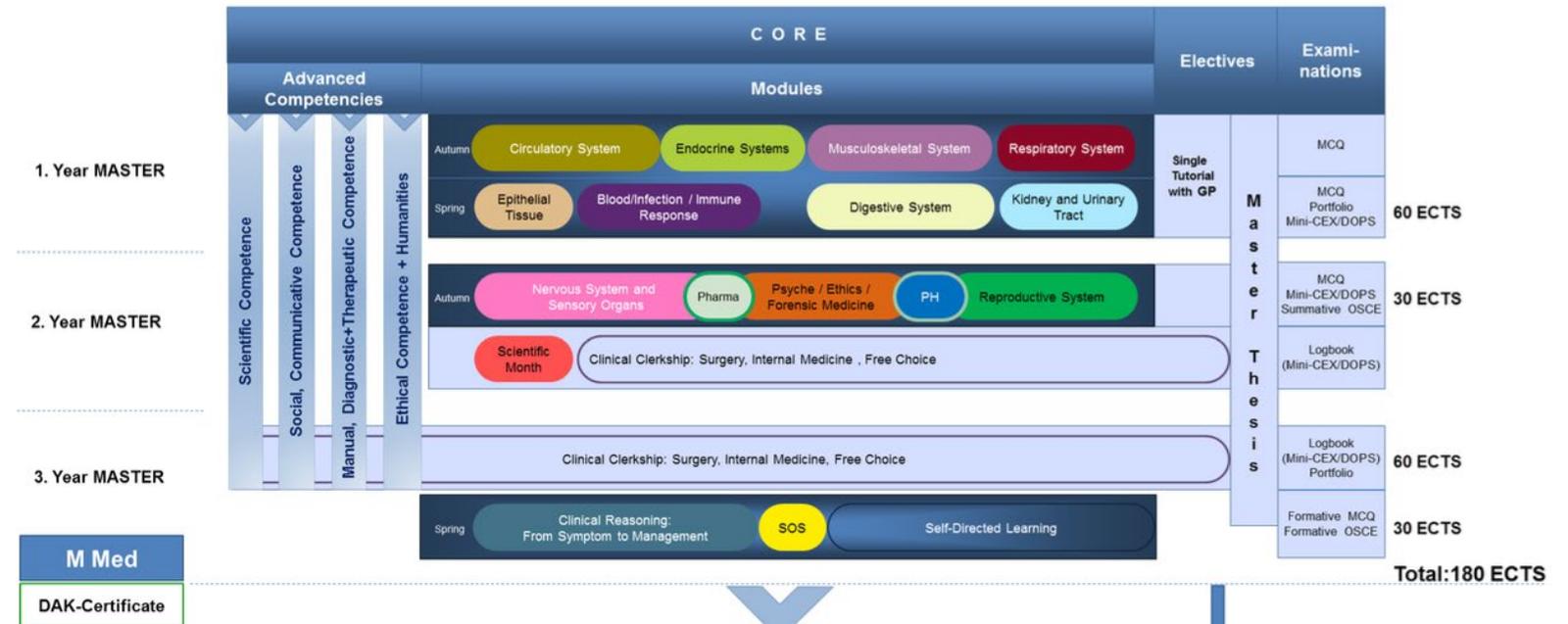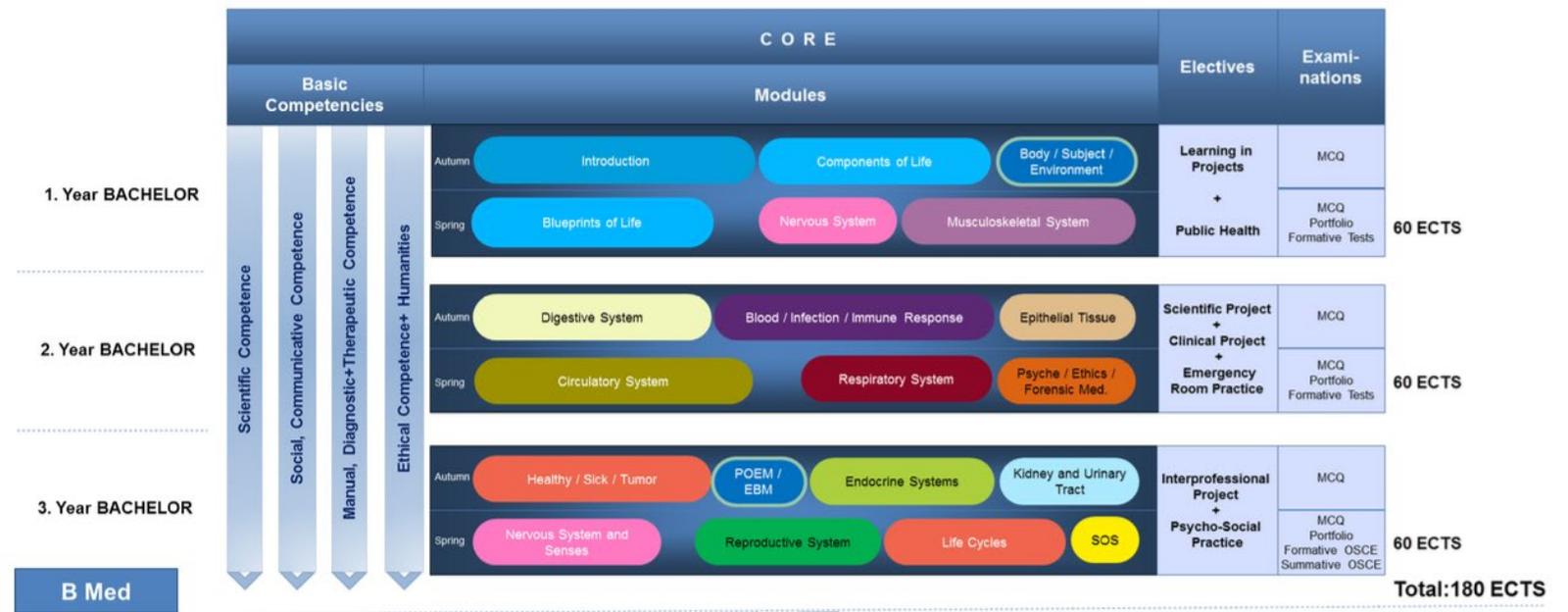
8 May 2019, in Basel, Switzerland

Overview

- Medical Curriculum Basel

- Example - Assessment for learning: Audio Feedback in a summative OSCE

- Example - From undergraduate to postgraduate Medical Education – Implementing Emergency Medicine (EPA 6)

The Curriculum in Basel

- Bologna Curriculum

- Core and Electives

- Peer escorted Freshmen

- Small group learning

- Motivation

- Early Patient-contact

- Early clinical practice

- Integrated curriculum

- Experiental Learning

- Practically orientated

- Learner-orientated

- Feedback

- Federal Licensing Examination

What drives curricular innovation...

- PROFILES
- Increase of students
- New partners in Medical Education
- Digitalization
- Aging population
- Interprofessional cooperation
- …

Assessment of learning and Assessment for learning:
Audio Feedback in a summative OSCE

OSCE-Station as valuable source for feedback for students

Information, which result from observation during an OSCE, are usually not handed out to students, even though it contains precious information for their further learning.

In order to overcome this gap, we realized a process to pass feedback from examiners to the students avoiding any impact on the summative examination.

Integration of recordings as task for the examiners
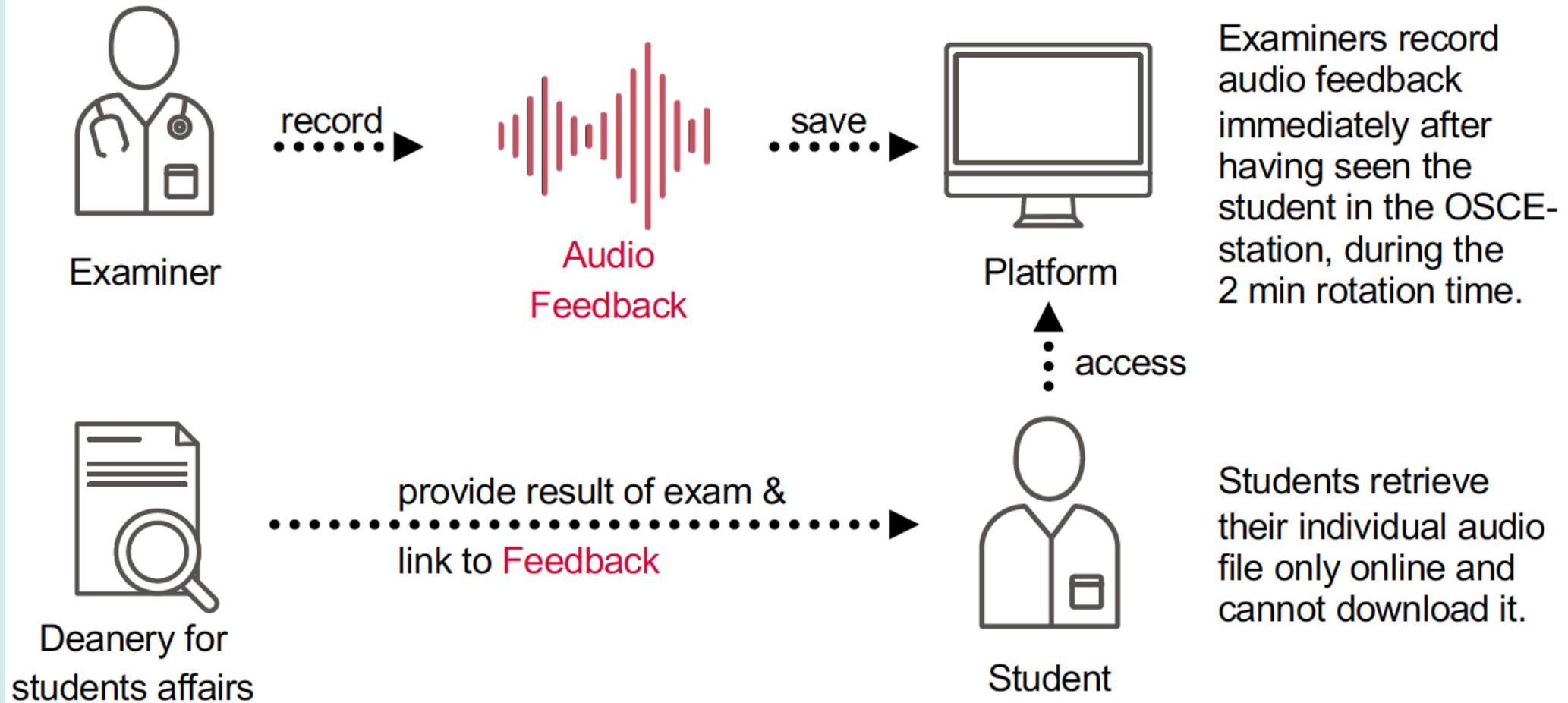

Electronic checklist in the iPad

Tool for recording the audio file

- The function to record audio feedback is implemented into the electronic checklist of the iPad based program iOSCE, which was developed in Basel.

The technical handling of the tool is self-explanatory, it requires a minimal effort by the examiner.

Technical solution from recording to retrieving

Examiner

record → Audio Feedback → save → Platform

Examiners record audio feedback immediately after having seen the student in the OSCE-station, during the 2 min rotation time.

access ↑

Deanery for students affairs

provide result of exam & link to Feedback →

Student

Students retrieve their individual audio file only online and cannot download it.

Results: Feedback in %

Given Feedback from Examiners

Jan 17	Jun 17	Jan 18	Jun 18
34.2	41.3	57.9	70.4
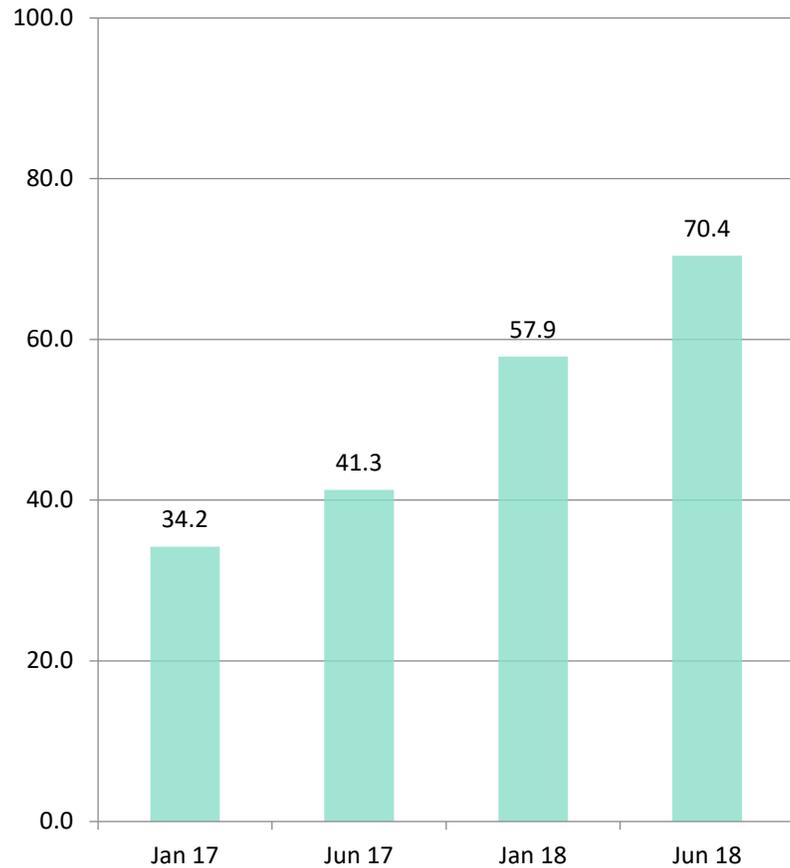
Examiners

Students with at least 1 Feedback

Jan 17	Jun 17	Jan 18	Jun 18
61.7	98.2	98.7	100.0
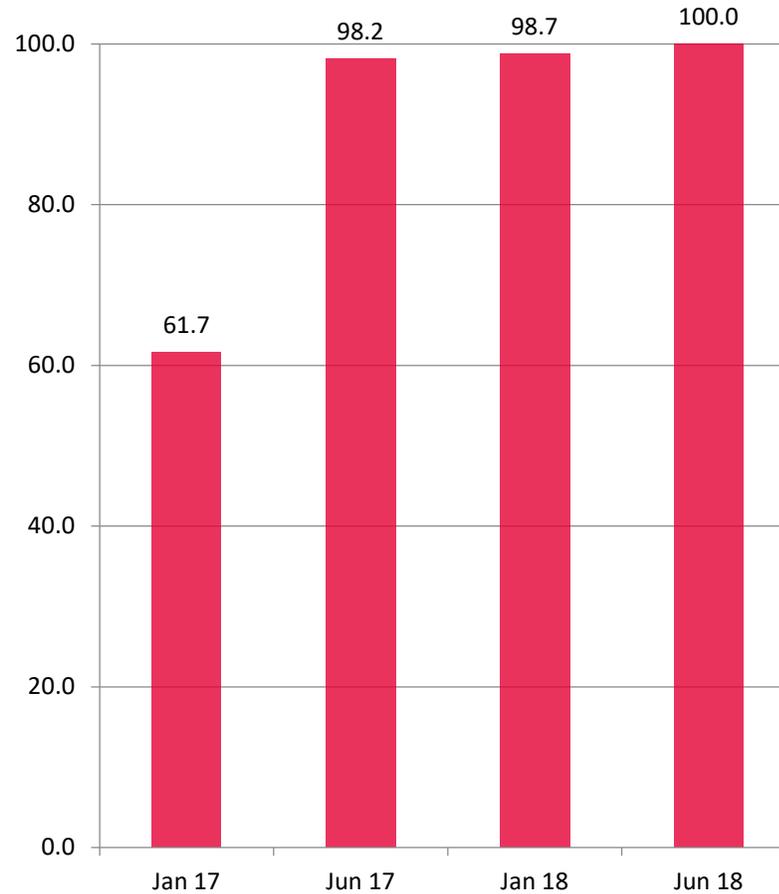
Students

- About 80% of the Feedback was listened to

From undergraduate to postgraduate Medical Education by Implementing EPA 6 (EM)

- DAK (Dienstarztkurs) – Äquivalent

- The course was built für Non-Emergency-Physicians on duty
- Included are basic Emergency Medcine Competencies

- EPA (Entrustable Professional Activities) 6 (PROFILES):

„Recognize a patient requiring urgent / emergency care, initiate evaluation and management"

1st BA – First Aid
without technical assistives

2nd BA – BLS-AED
Guidelined course

2nd BA – ER
Interprofessional weekend
internship

3rd BA – Modul Emergency
Medcine
(OSCE)

1st MA – Emergency Training
with DAK-Scenarios
Including Medication (OSCE)

3rd MA – repetition lectures
and missing content
e.g. Medical errors
(OSCE)

Result:
Emergency Curriculum Basel (FMH/SGOR accredited
                    +
DAK Refresher Course
= **Certified «Dienstarzt SGNOR» (Basic Course)**

Continuous challanges in Medical Education lead to continuous innovations.

I'm looking forward to the discussion with you!

silke.biller@unibas.ch