







Tempus Workshop, 27.11.2024. Budapest

Development of professional behavioural attitudes through learning anatomy

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Problem to solve: Increased student numbers

globally in medical education

without proper quality management

of the learning process











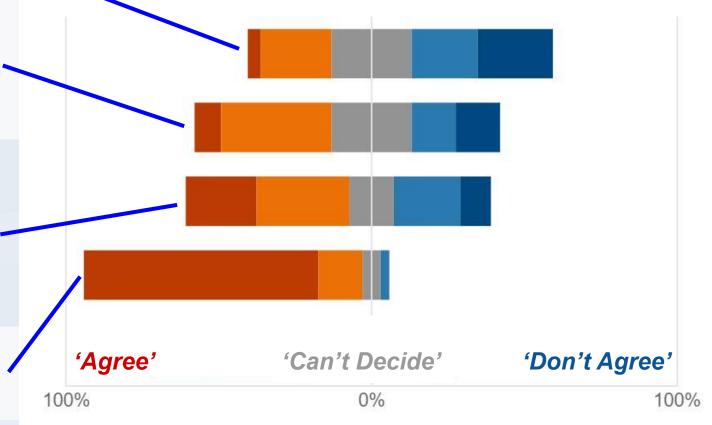
5.6. High failing rates indicate limitations in the capacities of individual anatomists to teach well.

5.7. High failing rates indicate widespread sociocultural or cognitive disadvantages among students.

5.8. High quality learning is the privilege of the skilled and hard working students, the selection of whom is the primary role of anatomy courses within the foundational years.

5.9. High quality learning must be provided for all university students.

Beliefs about teaching Anatomy







"Good Anatomy teaching is a teaching which makes it easy to be good in Anatomy"













LEAN - management: discard waste + improve essentials to move forward

What is forward?

What is waste?

What are essentials?

How to improve essentials?

How to discard waste?















Fellowship

Membership

Teaching + Learning

Equality, Diversity + Inclusion

Leadership

Governance

Programmes + Events

Professional Standards Framework (PSF 2023)

Advance HE works with individuals and institutions in higher education (HE) to provide students with an excellent learning experience. This is why we manage and lead the development of the Professional Standards Framework (PSF), a globally-recognised framework for benchmarking success within HE teaching and learning support.











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Needs Analysis - 2021

- high quality of teaching anatomy
 TOPIC1 (global standards)
 TOPIC2 (professional behavioural values and attitudes)
- high dropout rate of students learning anatomy TOPIC3 (teaching traditions)
- sustainability/mental health of teachers and students of anatomy courses
 TOPIC4 (management of student centered pedagogy)
 TOPIC5 (management of mental health of students and teachers)













Steps to work on each TOPIC:

- list of selected **global documents** (papers, guidelines, published standards)
 - list of **local institutional documents** (guidelines, strategic plans)
 - 3 comparison of local vs. international documents
 - clarification of ambiguous global terms, concepts, and local contexts
- creating the first version of the glossary, to be updated monthly up until the end of the project
 - 6. first draft of review paper
 - selection of the journal to publish paper
 - second draft of review paper
 - third draft of review paper
 - 10. Finalize review paper











Project Results - PR1-3

- PR1
 existing literature data on all 5 TOPICs
 existing beliefs of participants on all 5 TOPICs
 new summary (=theoretical study, pdfs, articles)
- PR2
 new learning tools on all 5 TOPICs (=practical teaching methodology, a pdf)
- PR3

 new online interactive teacher training module based on PR1-2 (EDUC Moodle)
 e-Guidebook (=summary of PR1-2 with links, not interactive, a pdf)













Topic 1: Survey on Quality Standards of Medical Education



Topic 2: Survey on Development of Professional Values and Attitudes through Teaching Anatomy



Topic 3: Survey on Traditions in Anatomy (Individual Teacher)



Topic 3: Survey on Traditions in Anatomy (Course Leader)



Topic 5: Survey on Mental Health Management of Students and Teachers



Symposium Feedback











MUNI



Symposium on **Quality of Teaching** Anatomy

9.9.2024. Telc, Czech Republic





13:30-13:35 Introduction

13:35-13:45

13:45-13:55

14:25-14:35

14:55-15:05

Dr András Nagy, University of Pécs

Quality standards of medical education University of Pécs

Q&A/Discussion on the first presentation

13:55-14:05 Development of professional values and attitudes through teaching anatomy

Masaryk University

14:05-14:15 Q&A/Discussion on the second presentation

14:15-14:25 **Traditions in Anatomy**

University of Zagreb

14:35-14:45 **Pedagogy in Medical Education**

Karolinska Institute

14:45-14:55

Mental Health Management of Students

Q&A/Discussion on the third presentation

Q&A/Discussion on the fourth presentation

and Teachers

University of Pécs

15:05-15:15 Q&A/Discussion on the fifth presentation

15:15–15:30 Final discussion and closing remarks



Professionalism

- 'Behaviours that support trustworthy relationships.' Shapiro J. Confronting unprofessional behaviour in medicine. BMJ. 2018 Mar 7;360:k1025.
- 'Professionalism in the medical field is the expression of responsibility to peers and to patients.' Swartz W.J. Using gross anatomy to teach and assess professionalism in the first year of medical school. Clinical Anatomy. 2006 19:437-441.
- 'a set of values, behaviours, and relationships that underpin the trust the public has in doctors' Royal College of Physicians, 2005











Outcomes 1 - Professional values and behaviours **Professional** Legal Patient safety Dealing with Safeguarding Leadership and and ethical team working responsibilities and quality complexity and vulnerable responsibilities improvement uncertainty patients Outcomes 2 - Professional skills Communication Diagnosis and Prescribing Using medical medications Information and effectively and interpersonal management safely skills safely Outcomes 3 - Professional knowledge The health Applying Applying Applying Health Clinical biomedical psychological service and social science promotion and research and healthcare scientific principles scholarship principles illness systems in the principles prevention four countries



Professional Responsibilities Course: 5 themes, 1 course









Fellowship Membership

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About Us

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Professional responsibilities in the DR

LEANbody

Respect for donors:

Treating the cadavers with dignity Respecting donor confidentiality

Clinical
Ethics &
Law

Outcomes for Graduates:
Professional
Values &
Behaviours

Autient Safety
Professional

Engaging with studies:
Satisfactory attendance
Notifying teachers if unable to attend
Actively engaging in learning
Accepting & acting on feedback

Working well with others: Supporting and respecting peers



Emphasis on Professionalism

3 Key Outcomes: General Medical Council

Professional values and behaviours

- Ethical responsibilities to donors
- Tributes for committal & memorial services
- Effective teamwork in practical sessions

"Our donors sparked enthusiasm and demanded respect. They were our first patient and forgave us any mistake we made, only wanting to teach us more. They made us consider the reverence of human life and through their donation taught us of the trust all patients will give us. They gave us confidence and awareness, all without uttering a word."





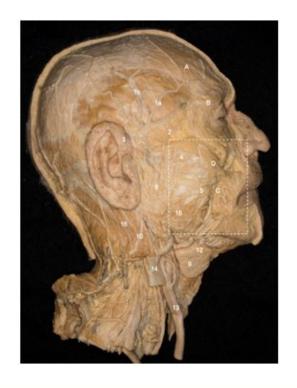
Emphasis on Professionalism

3 Key Outcomes: General Medical Council

Professional skills

- Communication in handovers
- Presentations in applied anatomy seminars
- Manual dexterity and haptic ability

"Prosecting gives you the time to tease out finer structures and finer anatomical details than you could ever hope to in the DR. Opening your toolbox on day one is enough to make any aspiring surgeon giddy. You will develop a feel for which instrument is best suited to each task – the satisfaction this gives is hard to put into words."





Emphasis on Professionalism

3 Key Outcomes: General Medical Council

Professional knowledge

- Applying scientific principles
- Awareness of anatomical variations
- Surgical and radiological anatomy module

"The Surgical and Radiological Anatomy course has been the best choice I could have made. It has provided me with the foundations of surgical & radiological approaches, as well as the desire to pursue surgery as a career. The lecturers always referred back to the clinical importance of appreciating normal anatomy and variations in order to recognise pathology, which gave clinical context to the content."









Survey tool

- 5 parts
- 38 questions
- 16 participants (4 universities)
- Part 1 and 2 manuscript
- Part 3 (Teaching and Assessment of Medical Professionalism) – presentation







mentioned

assessment mentioned

LEANbody

I don't know

No

0

Does your Medical School/ Faculty/College provide any formal instruction and assessment of medical professionalism at the undergraduate level?

-Zagreb – a course "Medical Ethics", no assessment

-Pécs – "in courses as part of the curriculum", no

-Brno – no courses or the participants did not know

Heissavaits (tatal	
University (total	
No. of	
participants)	

Yes

3

-Cambridge – a course on medical professionalism, course "Medical Law and Ethics", no formal assessment

Cambridge (3)

Zagreb (4)

Pécs (4)

Brno (5)

Does your **Anatomy Department** provide any formal instruction and assessment of medical professionalism at the undergraduate level?

Zagreb – 'A few members of our Dpt have developed

in the cadaver room; student evaluation of teaching;

open-ended questions regarding experiences'

and 'Ethical behaviour in the dissection room.'

TLAs regarding professionalism', 'assessment of behavior

Brno – 'ethical practice, professionalism in relationships'

Cambridge – no specification provided

University (total no of participants)	Yes	

Cambridge (3)

Zagreb (4)

Pécs (4)

Brno (5)

L	EA	N	bo	dy	

No

I don't

know

Do you think that medical professionalism is taught *informally* in your Anatomy Department, e.g. as part of the *hidden curriculum*?

Cambridge – 'Students are given a <u>lecture</u> at the beginning of the course about professional values and behaviours, and <u>anatomy demonstrators are role models</u> in the dissection room to ensure that students act respectfully towards their donors.'

Zagreb – '<u>students emulate their teachers</u> - if the teachers do not behave professionally, the hidden curriculum is obvious - the students receive the message that professional behavior is not important'

Pécs – 'From the practice leaders... All the practice leaders are acting as a role model, they are crucial for the students in term of studying about professionalism.'

Brno – '... <u>teachers, provide</u> the "classic/old" way of <u>teaching professionalism through</u> our <u>behaviour and</u> <u>conduct</u> during the sessions (theoretical, practical, dissection). '





69 responses submitted

Have you heard about INTERNATIONAL QUALITY STANDARDS of medical education?

71% 28% No Yes

Results of the Needs-analysis





Less than 10% of Central European anatomists have heard about WFME standards.

Why should all anatomists know about WFME standards?

"To improve quality of teaching anatomy." opinion of a Czech course organiser from MUNI





Questions for us to consider...

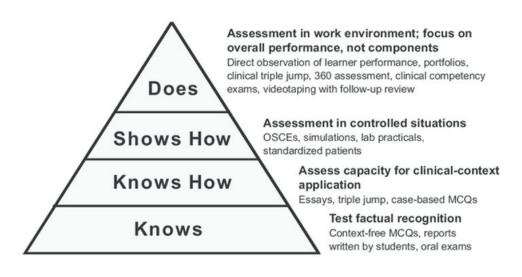
- How do I define professionalism? Why?
- What would I include in a list of 'professionalism competencies'?
- Which of those competencies should students develop in their anatomy course?
- How can I support students to develop those competencies?
- How can I check that students have developed those competencies?
- What would I include in a list of 'unprofessional behaviour'?
- What steps should I take to tackle unprofessional behaviour?

Teaching and learning professionalism

- 1. Didactic eg. legal responsibilities around confidentiality, privacy and social media use
 - Knowledge aquisition
- 2. Discursive eg. case-based discussion
 - Developing understanding and application
- 3. Reflective eg. portfolio of reflective writing
 - Evaluation, analysis, integration
- 4. Observation: The Hidden Curriculum
 - Can have a powerful effect on professional identity formation, not always positive!

Assessing professionalism: Miller's pyramid





Unprofessional behaviour: descriptors **LEAN**body

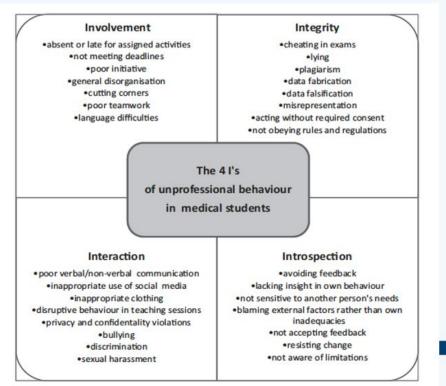


Figure 1. Four categories including 30 descriptors for unprofessional behaviours in medical students (Mak-van der Vossen et al. 2017).

