

# Aktuelna praksa i izazovi u obrazovanju lekara

## Current practice and challenges in medical doctors education

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## *Direktiva 2013/55/EU - Directive 2013/55/EU*

Osnovni zahtevi za sticanje zvanja doktora medicine (lekara) u EU definisani su EU direktivom o prepoznavanju profesionalnih kvalifikacija (Direktiva **2005/36/EC dopunjena 2013 (Direktiva 2013/55/EU)**) u članu 24: - **Basic requirements for Doctors of medicine degree in the EU are defined in the EU Directive on the recognition of professional qualifications (Directive 2005/36/EC amended in 2013 (Directive 2013/55/EU)) Article 24:**

- Upis na medicinski fakultet je moguć po sticanju diplome koja omogućava upis na univerzitet - **Admission to basic medical training shall be contingent upon possession of a diploma or certificate providing access, for the studies in question, to universities.**
- Osnovne studije medicine treba da budu organizovane najmanje kao petogodišnje studije, koje mogu biti dodatno izražene kroz ESPB bodove, i treba da se sastoje od najmanje 5500 časova teorijske i praktične nastave koju pruža ili nadzire univerzitet - **Basic medical training shall comprise a total of at least five years of study, which may in addition be expressed with the equivalent ECTS credits, and shall consist of at least 5 500 hours of theoretical and practical training provided by, or under the supervision of, a university.**

# Direktiva 2013/55/EU Član 24

## Directive 2013/55/EU Article 24

- Osnovna medicinska edukacija treba da obezbedi da je osoba stekla sledeća znanja i veštine - Basic medical training shall provide an assurance that the person in question has acquired the following knowledge and skills:
  - a. Adekvatno poznavanje naučnih oblasti na kojima se zasniva medicina kao i razumevanje naučnih metoda, uključujući principe merenja bioloških funkcija, evaluaciju naučno dokazanih činjenica i analizu podataka - Adequate knowledge of the sciences on which medicine is based and a good understanding of the scientific methods including the principles of measuring biological functions, the evaluation of scientifically established facts and the analysis of data;*
  - b. Dobro razumevanje strukture, funkcija i ponašanja zdravih i bolesnih osoba, kao i odnose koji vladaju između zdravlja, fizičkog i socijalnog okruženja ljudskog bića - Sufficient understanding of the structure, functions and behaviour of healthy and sick persons, as well as relations between the state of health and physical and social surroundings of the human being;*

# *Direktiva 2013/55/EU Član 24*

## *Directive 2013/55/EU Article 24*

- c. Adekvatno poznavanje kliničkih disciplina i prakse, koje će mu obezbediti stvaranje kompletne slike mentalnih i fizičkih oboljenja, iz ugla prevencije, dijagnostike, terapije i humane reprodukcije - Adequate knowledge of clinical disciplines and practices, providing him with a coherent picture of mental and physical diseases, of medicine from the points of view of prophylaxis, diagnosis and therapy and of human reproduction;*
- d. Prikladno kliničko iskustvo u bolnicama pod adekvatnim nadzorom - Suitable clinical experience in hospitals under appropriate supervision.*

# *Direktiva 2013/55/EU*

## *Directive 2013/55/EU*

- Član 25 direktive detaljno definiše specijalizaciju - [Article 25 Specialist medical training, gave details of Specialist medical training.](#)
- Član 26 reguliše oblasti specijalizacija - [Article 26 Types of specialist medical training.](#)
- Član 28 definiše specifičnu edukaciju u oblasti opšte prakse - [Article 28 Specific training in general medical practice.](#)
  - Prijem na specifičnu edukaciju u oblasti opšte medicine je moguć završetku i validaciji šestogodišnjih studija navedenih u članu 24 - [Admission to specific training in general medical practice shall be contingent on the completion and validation of six years of study as part of a training programme referred to in Article 24.](#)
  - Specifična edukacija u oblasti opšte medicine koja vodi dokazu kvalifikacije izdata pre 1 januara 2006 mora da uključuje dve godine edukacije sa punim radnim vremenom. Za slučaj da je dokaz kvalifikacije izdat posle tog datuma, edukacija mora da bude najmanje tri godine sa punim radnim vremenom - [The specific training in general medical practice leading to the award of evidence of formal qualifications issued before 1 January 2006 shall be of a duration of at least two years on a full-time basis. In the case of evidence of formal qualifications issued after that date, the training shall be of a duration of at least three years on a full-time basis.](#)

# *Anketa - Survey*

Učesnici na projektu-Medicina

Partner institutions-Medicine

- Medical University of Sofia, Bulgaria
- University of Novi Sad, Serbia
- University of Niš, Serbia
- University of Kragujevac, Serbia
- University of Belgrade, Serbia
- University of Pécs, Hungary
- Trinity College Dublin, Ireland

# Anketa - Survey

Partner Institution	Medical University Sofia	University of Belgrade	University of Kragujevac	University of Niš	University of Novi Sad
Number of study years and/or ECTS	6 years/418,6 ECTS	6 years/360 ECTS	6 years/360 ECTS	6 years/360 ECTS	6 years/360 ECTS
Number of students per year	385(210 bulg. + 175 engl. Language)	550	88	276/212/234/214/193/170	282
Number of teaching staff	variable	902		268	718



## *Anketa – Survey*

### *Medicinski univerzitet u Sofiji - Medical University of Sofia*

12 meseci u okviru šeste godine studija praksa podeljena na: -

12 months in sixth year of structured work-based placement distributed as:

- Interna medicina (30 dana ) - Internal diseases (30 days)
  - Hirurgija (30 dana) - Surgery (30 days)
  - Porodiljstvo i ginekologija (30 dana) - Obstetrics & Gynaecology (30 days)
  - Pedijatrija (30 dana) - Paediatrics (30 days)
- 
- Ukupno u VI godini 240 dana x 8 sati =1920 sati  
Total in VI year 240 days x 8 hours= 1920 hours

# *Anketa - Survey*

## *Univerzitet u Dablinu - University of Dublin*

12 meseci u okviru pete godine studija praksa podeljena na: -

12 months in fifth year of structured work-based placement distributed as:

- Integrisana medicinska nauka i praksa (20 kredita) - *Integrated Medical Science and Practice (20 credits)*
- Integrisana hirurška nauka i praksa (20 kredita) - *Integrated Surgical Science and Practice (20 Credits)*
- Priprema za praksu zasnovana na kompetencijama (10 kredita) - *Competency Based Preparation for Practice (10 credits)*
- Izborna praksa 3 (10 kredita) - *Elective Practice 3 (10 credits)*

## *Aktuelna situacija – Current practice*

- Nastava medicine na svim univerzitetima koji učestvuju u projektu uključuje praksu - *Medical education in all the consortium partner institutions includes practical training.*
- Usled razlika u nazivima predmeta nije moguće direktno upoređivanje praktičnog rada studenata - *Due to differences in teaching topics it is almost impossible to make direct comparison of practical training.*
- Prema dostupnim podacima Univerzitet u Dablinu pruža najviše praktične nastave. U okviru petogodišnjih studija oni čitavu petu godinu posvećuju praksi. Kako je po završenom fakultetu obavezan jednogodišnji staž proizilazi da se u okviru šest godina organizuju dve godine prakse - *According to available data University of Dublin provides most practical teaching. They organize five year studies of medicine with last year completely devoted to practice followed by one year of internship. So, in total they offer two years of practice in six years.*
- Medicinski univerzitet u Sofiji takođe nudi dosta prakse. Čitava šesta godina je posvećena praksi (240 dana ili 1920 časova prakse) - *Medical University of Sofia also offer a lot of practice, whole sixth year is practice (240days or 1920 hours).*

## *Aktuelna situacija – Current practice*

- Univerzitet u Pečuju takođe organizuje praksu u šestoj godini studija u trajanju od 40 nedelja. Pored toga, studenti medicine u Pečuju imaju i 4 nedelje letnje prakse posle VIII semestra - *University of Pecs also organize practice within the sixth year of study during 40 weeks. Apart from that, students at University of Pecs have a 4 weeks of summer practice after VIII semester.*
- Nastava medicine na univerzitetima u Srbiji je prilično harmonizovana. Sva četiri medicinska fakulteta koji učestvuju u projektu organizuju šestomesečnu praksu u nastavnim bazama. Ona je praćena obaveznim šestomesečnim stažom koji se završava državnim ispitom - *Medical education at RS universities is rather harmonized regarding practice. All four participating universities from RS declared to provide six months practice in University clinics and primary health care institutions. University practice in sixth year in RS is followed with mandatory six months of practice (internship) in hospitals and primary health care institutions and finished with State exam.*

## Izazovi - Challenges

- Obezbeđenje što ravnomernijih uslova za praktični rad - [Ensuring comparable, rich learning experience for all students.](#)
- Motivacija zdravstvenih radnika za što kvalitetniji nadzor praktičnog rada studenata - [Motivation of health care professionals to engage as practice supervisors.](#)
- Razvoj pedagoških kapaciteta mentora staža - [Practice supervisors teaching competencies development.](#)
- Razvoj što objektivnijih metoda za proveru praktičnog znanja studenta - [Development of relevant student assessment methods.](#)

## Izazovi - Challenges

- Prepoznavanje vremena utrošenog za praktičnu nastavu nastavnicima i mentorima staža od nadležnih ministarstava i poslodavaca - [Recognition of academic staff and practice supervisors' workload related to professional practice experiential education by relevant regulatory bodies and employers.](#)
- Uspostavljanje sistema kontrole kvaliteta praktične nastave zasnovanog na aktuelnim propisima u oblasti obrazovanja, rada i zdravstvene zaštite - [Establishment of quality assurance framework taking into account relevant educational, healthcare and labour laws and regulations.](#)
- Razvoj softverske podrške za upravljanje praktičnom nastavom - [Software support for management of experiential education.](#)