

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Z dokazi podprta dentalna medicina
Course title:	Evidence Based Dental Medicine

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Dentalna medicina/Dental Medicine 2. stopnja/2nd cycle		5	10

Vrsta predmeta / Course type:

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
5	40				45	3

Nosilec predmeta / Lecturer:

Jeziki / Predavanja / Lectures:
Languages: Vaje / Tutorial:

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Znanja iz predkliničnih predmetov in informatike

Prerequisites:

Knowledge from preclinical subjects and informatics

Vsebina:

Predavanja:

- Kaj je z dokazi podprta medicina (praksa)?
 - Zgodovina
 - Najzaslužnejše osebe za razvoj z dokazi podprte medicine
 - Časovni potek razvoja in integracija v medicino
 - Analogija z drugimi področji
 - Pristopi integracije po svetu
 - Podatkovne baze, sistematični pregledi in drugi pristopi sinteze znanja–osnove
- Kritična presoja obstoječih podatkov kot osnovno orodje načrtovanja v predkliničnih raziskavah in klinični praksi
- Izboljševanje kakovosti in varnost pacienta
- Vrednotenje zdravstvenih tehnologij

Seminarji:
Uvod v EBM

- Ključna vprašanja glede EBM–PICO naloge?
- Oblikovanje raziskave/projekta?
- Kritičen pregled raziskav

Vrste študij

Content (Syllabus outline):

Lectures:

- What is Evidence based medicine (practice)?
 - History
 - Crucial people for development of EBM
 - Timeline and integration in medicine
 - Analogy with other fields
 - Approaches around the world
 - Databases, systematic literature reviews and other approaches to knowledge synthesis- basics
- Critical appraisal of information as the core tool to research development in pre- and clinical practice
- Quality improvement and patient safety
- Health technology Assessment

Seminars:
Introduction to EBM

- Key questions in EBM- PICO tasks?
- Project/research development
- Critical appraisal of studies

Types of studies:

- Qualitative research
- Quantitative research

<ul style="list-style-type: none"> • Kvalitativno raziskovanje • Kvantitativno raziskovanje • Opazovalne študije • Randomizirane klinične študije • Prikazov primera • Hierarhičnost dokazov • ... <p>Kako iskati literaturo – baze podatkov? Kaj je učinkovito zdravljenje?</p> <ul style="list-style-type: none"> • Sistematični pregled literature • Kdaj narediti sistematični pregled literature? • Ocenjevanje kvalitete metodologije sistematičnih pregledov • Meta analize <p>Kako napisati članek? Kako kritično prebrati članek? Ali lahko verjamemo kliničnim smernicam?</p> <ul style="list-style-type: none"> • Ravnesje med koristmi in škodo smernic <p>Na dokazih podprta klinična praksa</p>	<ul style="list-style-type: none"> • Observational studies • RCTs • Case studies • Hierarchy of evidence • ... <p>Literature search - data bases? What is efficient/effective treatment?</p> <ul style="list-style-type: none"> • Systematic literature review • When do we need a systematic literature review? • Appraisal of methodological quality • Meta analyses <p>How a write a paper? Hot to critically read a paper? Can we trust clinical guidelines?</p> <ul style="list-style-type: none"> • What is the balance between benefits and disadvantages? <p>EBM in clinical practice</p>
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Temeljni literatura in viri / Readings:

- Guyatt G, Rennie D, Meade MO, Cook DJ: User's Guides to the Medical Literature – A manual for evidence-based clinical practice, 3rd edition. JAMAevidence, McGraw Hill Education, 2014.
- Hamer, Susan, and Gill Collinson. Achieving evidence-based practice: A handbook for practitioners. Elsevier Health Sciences, 2014.

Dodatna literatura

- Higgins, Julian PT, ed. Cochrane handbook for systematic reviews of interventions. Vol. 5. Chichester, England: Wiley-Blackwell, 2008.
- **Jamtvedt G**, Klemp M, Mørland B, Nylenna M. Responsibility and accountability for well informed health-care decisions: a global challenge. Lancet. 2015 Jun 12. pii: S0140-6736(15)60855-8. doi:10.1016/S0140-6736(15)60855-8. [Epub ahead of print]
- Ivers NM, Grimshaw JM, **Jamtvedt G**, **Flottorp S**, O'Brien MA, French SD, Young J, Odgaard-Jensen J. Growing literature, stagnant science? Systematic review, meta-regression and cumulative analysis of audit and feedback interventions in health care. J Gen Intern Med. 2014 Nov;29(11):1534-41. doi: 10.1007/s11606-014-2913-y.
- Lavis JN, Wilson MG, Moat KA, Hammill AC, Boyko JA, Grimshaw JM, **Flottorp S**. Developing and refining the methods for a 'one-stop shop' for research evidence about health systems. Health Research Policy and Systems 2015, 13: 10.
- **Flottorp SA**, Oxman AD, Krause J, Musila NR, Wensing M, Godycki-Cwirko M, et al. A checklist for identifying determinants of practice: A systematic review and synthesis of frameworks and taxonomies of factors that prevent or enable improvements in healthcare professional practice. Implement Sci 2013;8:35
- Grønhaug G, Østerås N, **Hagen KB**. Quality of hip and knee osteoarthritis management in primary health care in a Norwegian county: A cross-sectional survey. BMC Health Services Research 2014 14, 598.
- Larsen MH, **Hagen KB**, Krogstad A-L, Aas E, Wahl AK. Limited evidence for the effects of patient education and self-management interventions in psoriasis patients. A systematic review. Patient Education & Counseling. 2014, 94(2):158-69.
- Cochrane Collaboration: <http://www.cochrane.org>

Cilji in kompetence:

- spoznati osnove »z dokazi podprte medicine«
- pridobiti pregledno znanje iz kritičnega vrednotenja obstoječih podatkov
- sistematično načrtovanje z dokazi podprtih predkliničnih in kliničnih raziskav
- sistematično načrtovanje pristopov v klinični praksi

Objectives and competences:

- learn the basics about »evidence based medicine«
- obtain basic knowledge of critical available data appraisal
- systematic planning of evidence based preclinical and clinical studies

<ul style="list-style-type: none"> osvojiti podlago za na dokazih temelječe sprejemanje kliničnih odločitev 	<ul style="list-style-type: none"> systematic planning of clinical procedures and practice obtain the basis for evidence based clinical decision making
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Predvideni študijski rezultati:

Intended learning outcomes:

<p>Znanje in razumevanje:</p> <ul style="list-style-type: none"> spoznati osnove »z dokazi podprte medicine« pridobiti pregledno znanje kritičnega vrednotenja obstoječih podatkov sistematično načrtovanje z dokazi podprtih predkliničnih in kliničnih raziskav sistematično načrtovanje pristopov v klinični praksi osvojiti podlago za na dokazih temelječe sprejemanje kliničnih odločitev <p>Prenesljive/ključne spretnosti in drugi atributi:</p> <ul style="list-style-type: none"> osnove z dokazi podprte medicine priprava in uporaba sistematičnega pregleda sistematično načrtovanje raziskav in uporaba v praksi 	<p>The students gain fundamental knowledge on:</p> <ul style="list-style-type: none"> learn the basics about »evidence based medicine« obtain basic knowledge of critical available data appraisal systematic planning of evidence based preclinical and clinical studies systematic planning of clinical procedures and practice obtain the basis for evidence based clinical decision making <p>Transferable/Key Skills and other attributes:</p> <ul style="list-style-type: none"> basics in evidence based medicine preparation and use of systematic reviewing systematic planning of studies and use in practice
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Metode poučevanja in učenja:

Learning and teaching methods:

Predavanja Seminarji	Classroom Lectures Seminars
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Načini ocenjevanja:

**Delež (v %) /
Weight (in %)**

Assessment:

Način (pisni izpit, ustno izpraševanje, naloge, projekt):		Type (examination, oral, coursework, project):
Obveznosti študentov: - seminar (priprava kratkega poročila na podlagi PICO vprašanj), ter predstavitev.	100	Student's commitments: - seminars (a short report on PICO questions), and presentation.

Reference nosilca / Lecturer's references:

ČLANKI

TURK, Eva, PREVOLNIK RUPEL, Valentina, TAPAJNER, Alojz, ISOLA, Arja. Reliability and validity of the audit on diabetes-dependent quality of life (ADDQoL) and EQ-5D in elderly Slovenian diabetes mellitus type 2 patients. *Health*, ISSN 1949-5005, Mar. 2014, vol. 6, no. 8, str. 699-711.

LEGIDO-QUIGLEY, Helena, PANTELI, Dimitra, BRUSAMENTO, Serena, KNAI, Cecile, SALIBA, Vanessa, **TURK, Eva**, SOLÉ, Meritxell, AUGUSTIN, Uta, CAR, Josip, MCKEE, Martin, BUSSE, Reinhard. Clinical guidelines in the European Union : mapping the regulatory basis, development, quality control, implementation and evaluation across member states. *Health policy*, ISSN 0168-8510, 2012, vol. 107, str. 146-156.

KNAI, Cécile, BRUSAMENTO, Serena, LEGIDO-QUIGLEY, Helena, SALIBA, Vanessa, PANTELI, Dimitra, **TURK, Eva**, CAR, Josip, MCKEE, Martin, BUSSE, Reinhard. Systematic review of the methodological quality of clinical guideline development for the management of chronic disease in Europe. *Health policy*, ISSN 0168-8510, 2012, vol. 107, str. 157-167.

PREVOLNIK RUPEL, Valentina, **TURK, Eva**, et al. EQ-5D studies in nervous system diseases in eight Central and Eastern European countries. *Value in health : the journal of the International Society for Pharmacoeconomics and Outcomes Research*, ISSN 1098-3015, Nov. 2016, vol. 19, no. 7, str. A471.

LEYSRON, Stephen, LISTYOWARDOJO, Tita A., **TURK, Eva**, ORR, Aileen, RAY-SANNERUD, Bobbie, BARACH, Paul. How regulators assess and accredit safety and quality in surgical services. V: SANCHEZ, Juan A. (ur.). *Surgical patient care* :



improving safety, quality and value. Cham: Springer, cop. 2017, str. 755-783. [https://link.springer-com.ezproxy.lib.ukm.si/chapter/10.1007/978-3-319-44010-1_45](https://link.springer.com.ezproxy.lib.ukm.si/chapter/10.1007/978-3-319-44010-1_45)

DOVNIK, Andraž, MUJEZINOVIĆ, Faris, TREIBER, Milena, PEČOVNIK-BALON, Breda, GORENJAK, Maksimiljan, **MAVER, Uroš**, TAKAČ, Iztok. Seasonal variations of vitamin D concentrations in pregnant women and neonates in Slovenia. *European Journal of Obstetrics, Gynecology and Reproductive Biology*, ISSN 0301-2115. [Print ed.], 2014, vol. 181, str. 6-9.

MAVER, Tina, **MAVER, Uroš**, STANA-KLEINSCHEK, Karin, SMRKE, Dragica, KREFT, Samo. A review of herbal medicines in wound healing. *International journal of dermatology*, ISSN 0011-9059. [Print ed.], Article first published online: 24 Mar. 2015, vol. , iss. , str. [1-12].

6. DEVETAK, Miha, PERŠIN, Zdenka, STANA-KLEINSCHEK, Karin, **MAVER, Uroš**. Utilization of optical polarization microscopy in the study of sorption characteristics of wound dressing host materials. *Microscopy and microanalysis*, ISSN 1431-9276. [Print ed.], Apr. 2014, vol. 20, iss. 02, str. 561-565.