



Medicinska fakulteta

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Na dokazih podprta medicina – zdravstvena ekonomika, varnost bolnika, kakovost v zdravstvu
Course title:	Evidence-based medicine – health-care economics, patient safety, quality in health care

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
ENOVIT MAGISTRSKI ŠTUDIJSKI PROGRAM SPLOŠNA MEDICINA	Splošna medicina	6	11

Vrsta predmeta / Course type

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. delo Individ. work	ECTS
10	35	0	/	/	45	3

Nosilec predmeta / Lecturer:

Dušanka Mičetić Turk

Sonosilci predmeta / Lecturer:

Uroš Maver in Eva Turk

Jeziki /

Predavanja / Lectures:

slovenski slovene

Languages:

Vaje / Tutorial:

slovenski slovene

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

Prerequisites:

Vsebina:

Predavanja:

- Zdravstvena ekonomika
- Izboljševanje kakovosti
- Varnost bolnika
- Vrednotenje zdravstvenih tehnologij
- Organizacija zdravstvenih sistemov

Seminarji:

Zdravstvena ekonomika

- Različne teme

Kakovost v medicini in klinični praksi

- Različne teme

Varnost bolnika

- Različne teme

Vrednotenje zdravstvenih tehnologij

- Različne teme

Content (Syllabus outline):

Lectures:

- Healthcare economics
- Quality improvement
- Patient safety
- Health technology assessment
- Healthcare system organization

Seminars:

Healthcare economics

- Different topics

Quality in medicine and clinical practice:

- Different topics

Patient safety

- Different topics

Health technology assessment

- Different topics

**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.
- Cochrane Collaboration: <http://www.cochrane.org>
- Higgins, Julian PT, ed. Cochrane handbook for systematic reviews of interventions. Vol. 5. Chichester, England: Wiley-Blackwell, 2008.
- Hamer, Susan, and Gill Collinson. Achieving evidence-based practice: A handbook for practitioners. Elsevier Health Sciences, 2014.
- Drummond, Michael F., Mark J. Sculpher, Karl Claxton, Greg L. Stoddart, and George W. Torrance. Methods for the economic evaluation of health care programmes. Oxford university press, 2015.
- Eddy, David. "Health technology assessment and evidence-based medicine: what are we talking about?" value in health 12 (2009): S6-S7.
- Rupel-Prevolnik V, Simčič B, Turk E. Dictionary of Terminology in the Health Care System. Ljubljana: Ministrstvo za zdravje Republike Slovenije; 2014. (Slovenian)

Dodatna literatura

- Ozcan, Y.A. Health care benchmarking and performance evaluation: an assessment using data envelopment analysis (DEA). New York: Springer, 2008
- McIntosh, E. et al. Applied methods of cost-benefit analysis in health care. Oxford [etc.]: Oxford University Press, 2011
- Gray, A. Applied methods of cost-effectiveness analysis in health care. Oxford [etc.]: Oxford University Press, 2011

Cilji in kompetence:

- spoznati delovanje in trende v zdravstveni ekonomiki
- pridobiti osnovno znanje metod ekonomskega vrednotenja in raziskovanja izidov na področju zdravstva
- pridobiti pregledno znanje v povezavi s kakovostjo v zdravstvenih sistemih
- načrtovanje in izvedba vrednotenja zdravstvenih tehnologij (HTA)
- pridobiti pregled dosedanjih spoznanj zagotavljanja varnosti bolnikov

Objectives and competences:

- learn about trends in health economics
- obtain basic knowledge about methods of economic evaluation and Outcomes research in healthcare
- obtain basic knowledge quality improvement in healthcare
- systematic planning of Health Technology Assessment (HTA)
- obtain basic knowledge about patient safety and its evaluation methods

Predvideni študijski rezultati:**Znanje in razumevanje:**

- spoznati delovanje in trende v zdravstveni ekonomiki
- pridobiti pregledno znanje in razumevanje metod ekonomske evalvacije in raziskav terapijskih izidov
- pridobiti osnove načrtovanja in izvedbe vrednotenja zdravstvenih tehnologij
- pridobiti pregledno znanje v povezavi s kakovostjo v zdravstvenih sistemih
- pridobiti pregled dosedanjih spoznanj zagotavljanja varnosti bolnikov

Intended learning outcomes:**The students gain fundamental knowledge on:**

- understanding trends in health economics
- obtain basic knowledge about methods of economic evaluation and outcomes research
- obtain basic knowledge on systematic planning and conducting of Health Technology Assessment (HTA)
- obtain basic knowledge and understanding of quality improvement in healthcare
- obtain basic knowledge and understanding about patient safety



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Prenesljive/ključne spretnosti in drugi atributi: - praktična raba z dokazi podprte medicine - priprava in uporaba vrednotenja zdravstvenih tehnologij - načrtovanje raziskav na področju varnosti bolnika - opredeliti in diferencirati različne vidike kakovosti v zdravstvu in zdravstvenih sistemih	Transferable/Key Skills and other attributes: - practical use of evidence based medicine - applied use of HTA - planning of studies in the field of Patient Safety - Identifying and differentiating various aspects of quality in healthcare and health systems
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Metode poučevanja in učenja:

Predavanja, seminarji.

Learning and teaching methods:

Classroom lectures, seminars.

Delež (v %) / Weight (in %)		Assessment:
Načini ocenjevanja:		
Način (pisni izpit, ustno izpraševanje, naloge, projekt): Materialni pogoji za izvedbo predmeta : Predavalnica, računalniška učilnica. Obveznosti študentov: seminar - pisni izpit.	100	Type (examination, oral, coursework, project): Material conditions for subject realization Classroom, computer lab. Student's commitments: seminars - written exam.

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.

PREVOLNIK RUPEL, Valentina, SIMČIČ, Biserka, **TURK, Eva**. *Terminološki slovar izrazov v sistemu zdravstvenega varstva*. Različica 1.0. Ljubljana: Ministrstvo za zdravje, 2014

TURK, Eva, PREVOLNIK RUPEL, Valentina, TAPAJNER, Alojz, LEYSHON, Stephen, ISOLA, Arja. An audit of diabetes-dependent quality of life (ADDQOL) in older patients with diabetes mellitus type 2 in Slovenia. *Value in health regional issues*, ISSN 2212-1102, Sep.-Oct. 2013, vol. 2, issue 2, str. 248-253

TURK, Eva, LEYSHON, Stephen, PYTTE, Morten. Varnost pacientov v čezmejnem zdravstvenem varstvu = Patients' safety in cross-border care. V: KRALJIČ, Suzana (ur.), REBERŠEK GORIŠEK, Jelka (ur.), RIJAVEC, Vesna (ur.). *Medicina in pravo : sodobne dileme III*. Maribor: Pravna fakulteta, 2014, str. 235-243

ALBREHT, Tit, **TURK, Eva**, PREVOLNIK RUPEL, Valentina. Slovenia. V: MARESSO, Anna (ur.). *Economic crisis, health systems and health in Europe : country experiences*, (Observatory Studies Series, no. 41). Copenhagen: World Health Organization, Regional Office for Europe; [Brussels]: European Observatory on Health Systems and Policies, cop. 2015, str. 482-486

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.

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].
- 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.
- MAVER, Uroš**, VELNAR, Tomaž, GABERŠČEK, Miran, PLANINŠEK, Odon, FINŠGAR, Matjaž. Recent progressive use of atomic force microscopy in biomedical applications. TrAC, Trends in analytical chemistry, ISSN 0165-9936, Available online 15 March 2016, vol. , str. 1-4.
- MIČETIČ-TURK, Dušanka**, ŠIKIĆ POGAČAR, Maja. Klinična uporaba probiotikov v pediatriji = Clinical use of probiotics in pediatrics. Zdravniški vestnik, ISSN 1318-0347. [Tiskana izd.], dec. 2011, letn. 80, št. 12, str. 933-943.
- TURK, Eva**, ZALETEL, Jelka, ORMSTAD, Sari Susanna, **MIČETIČ-TURK, Dušanka**, ISOLA, Arja. Is a multi-disciplinary approach in the delivery of care for patients with Diabetes mellitus Type 2 cost effective? A systematic review. HealthMed, ISSN 1840-2291, 2011, vol. 6, no. 2, str. 711-719.
- COSTA, Stefano, ASTARITA, Luca, HARIZ, M. Ben, CURRÒ, Giovanni, DOLINŠEK, Jernej, KANSU, Aydan, MAGAZZU, Giuseppe, MARVASO, Stefania, **MIČETIČ-TURK, Dušanka**, PELLEGRINO, Salvatore, PRIMAVERA, Giuseppe, ROSSI, Pasqualino, SMARRAZZO, Andrea, TUCCI, Francesca, ARCIDIACO, Carmela, GRECO, Luigi. A point-of-care test for facing the burden of undiagnosed celiac disease in the Mediterranean area: a pragmatic design study. BMC gastroenterology, ISSN 1471-230X, 2014, vol. 14.