



OPIS PREDMETA / SUBJECT SPECIFICATION

Predmet:	Uroginekologija in pelvična rekonstruktivna kirurgija
Subject Title:	Urogynecology and Pelvic Reconstructive Surgery

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
Biomedicinska tehnologija Biomedical Technology	Uroginekologija Urogynecology	II.	3 ali 4

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Lab. work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
15	20		10		105	5

Nosilec predmeta / Lecturer:

Prof. dr. Igor BUT

Jeziki / Predavanja / Lecture: slovenščina, angleščina/ slovene, english

Languages: Vaje / Tutorial: slovenščina, angleščina/ slovene, english

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

Prerequisites:

Kandidat mora doseči 300 ECTS na predhodnem študiju.

Graduate degree 300 ECTS

Vsebina:

Contents (Syllabus outline):

Vsebina študijskega predmeta Uroginekologija in pelvične rekonstruktivna kirurgija zajema proučevanje novih metodologij za diagnostiko, spremljanje in zdravljenje motenj v funkciji medeničnega dna in organov v mali medenici. Študij bo predstavljal povezavo med kliničnim delom, kliničnim znanstvenim raziskovanjem ter novimi spoznanji sodobnih diagnostičnih preiskav in zdravljenja.

The study programme will be based on lectures covering new methods in diagnostics, monitoring and management of dysfunction of the pelvic floor and organs in small pelvis.

The studies will represent a connection between clinical work, clinical scientific research and new knowledge acquired by up-to-date diagnostic investigation and treatment.

The emphasis will be above all on the following topics:

Poudarek bo predvsem na naslednjih področjih:

- Etiologija in prevalenca motenj funkcije medeničnega dna
- Vloga biotehnologije na področju uroginekologije
- Genetika v uroginekologiji
- Vloga kolagena pri motnjah v funkciji medeničnega dna.
- Imunohistokemična ekspresija estrogenskih receptorjev v gladkih mišičnih celicah mehurja
- Senzitivnost in specifičnost diagnostičnih metod v uroginekologiji
- Zaporni tlaki sečnice in stresna urinska inkontinenca - pomen urodinamskih preiskav
- Idiopatska prekomerna aktivnost detruzorja
- Nova zdravila pri zdravljenju stresne urinske inkontinence in prekomerne aktivnosti mehurja
- Funkcionalna magnetna stimulacija pri zdravljenju žensk z urinsko inkontinenco
- Primarna nočna enureza - FMS kot novi neinvaziven pristop pri zdravljenju
- Biomehanika pri stresni urinski inkontinenci - novi kirurški principi zdravljenja

- Etiology and prevalence of the pelvic floor dysfunction
- The role of biotechnology in the field of urogynecology
- Genetics in urogynecology
- The role of collagen in the pelvic floor dysfunction
- Immunohistochemical estrogen receptor expression in the bladder smooth muscle cell
- Sensitivity and specificity of various diagnostic tools in urogynecology
- Urethral closure pressure and stress urinary incontinence - the value of urodynamic studies
- Idiopathic detrusor overactivity
- New drugs in the treatment of stress urinary incontinence and overactive bladder disease
- Functional magnetic stimulation in the treatment of women with urinary incontinence
- Primary nocturnal enuresis - FMS as a new noninvasive treatment approach
- Biomechanics in stress urinary incontinence - the new surgical treatment principles
- The role of mesh in pelvic reconstructive

- Pomen mrežic v pelvični rekonstruktivni kirurgiji

surgery

Temeljni študijski viri / Textbooks:

1. Fritsch H, Lienemann A, Brenner E, Ludwikowski B. Clinical Anatomy of the Pelvic Floor. Springer-Verlag, Berlin Heidelberg 2004
2. Stanton SL and Zimmern PE. Female Pelvic Reconstructive Surgery. Springer-Verlag, London Ltd 2003
3. Abrams P, Cardozo L, Khoury S and Wein A (eds). 2nd International Consultation on Incontinence, 2nd ed. Health Publication Ltd, 2002
4. Whitfield H. The Overactive Bladder and its Treatments: Consensus Conference. BJU 2000; 85 (Suppl 3)
5. Walters MD, Karram MM. [Clinical Urogynecology and Reconstructive Pelvic Surgery](#). Mosby, St. Louis 1999
6. Klevmark B. Lower urinary tract physiology and pathophysiology. Filling of the normal bladder. Scand J Urol Nefrol 1999, Suppl 201
7. Ostergard DR, Bent AE. [Urogynecology and Urodynamics : Theory and Practice](#). 3rd ed. William & Wilkins, Baltimore 1991

Cilji:

Predmet omogoča slušatelju celovit pregled in nekatera poglobljena znanja s področja uroginekologije. Namen predmeta je pridobiti širše znanje in razumevanje patofiziologije tako mikcijskih motenj, kot tudi motenj v podpori organov v mali medenici. Slušatelji morajo obvladati različne diagnostične postopke in njihovo racionalno uporabo, obenem pa morajo tudi razumeti osnovne principe operativnega zdravljenja različnih motenj medeničnega dna.

Predvideni študijski rezultati:

Znanje in razumevanje:
Kandidat mora po zaključku predavanj in vaj obvladati v programu zastavljene cilje.

Prenesljive/ključne spretnosti in drugi atributi:
Ovisno od raziskovalnega projekta. Poznavanje osnovnih diagnostičnih metod v medicini.

Metode poučevanja in učenja:

Predavanja.
Seminarji pod vodstvom mentorja.
Praktične vaje
Individualno raziskovalno delo.

Načini ocenjevanja:

Način (pisni izpit, ustno izpraševanje, naloge, projekt)
Pisni in ustni izpit
Seminarska naloga
Predstavitev raziskovalnega dela (poster, članek)

Delež (v %) /
Weight (in %)

Objectives:

The study subject offers to a student a comprehensive review and some extensive knowledge about the field of urogynecology. The goal of the study programme is to acquire a broad knowledge and understanding of the pathophysiology of the micturition disturbances as well as the pelvic organ support problems. Students should be able to use various diagnostic procedures and their rational distribution, however, they should also understand the basic principles of surgical therapy of different pelvic floor disorders.

Intended learning outcomes:

Knowledge and Understanding:
After absolving the lectures and practical work the candidate has to present knowledge which is defined in the programm.

Transferable/Key Skills and other attributes:
Depends on the research project.
Knowledge of basic diagnostic methods in medicine.

Learning and teaching methods:

Lectures.
Seminars with collaboration of the mentor.
Practical work.
Individual research work

Assessment:

Type (examination, oral, coursework, project):
Written and oral examination
Coursework
Presentation of the research project (poster, article)

Materialni pogoji za izvedbo predmeta :

So zagotovljeni v okviru Službe za ginekologijo in perinatologijo Splošne bolnišnice Maribor.

Obveznosti študentov:

Material conditions for subject realization

Already existing in the Gynecology and Perinatology service of Maribor Teaching Hospital.

Students' commitments:

(pisni, ustni izpit, naloge, projekti)

Obiskovanje predavanj.
Obiskovanje vaj.
Izdelana seminarska naloga.
Objave v strokovni literaturi, predstavitve na kongresih

(written, oral examination, coursework, projects):

To be present at lectures.
To be present at practical work.
Written coursework.
Publications in scientific literature, presentations at the congress