

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet: Uroginekologija in pelvična rekonstruktivna kirurgija
Course title: Urogynecology and Pelvic Reconstructive Surgery

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Biomedicinska tehnologija/Biomedical Technology 3. stopnja/3rd Degree		2	3 ali 4

Vrsta predmeta / Course type

Izbirni/Elective

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. Delo Individ. Work	ECTS
15	20	10			105	5

Nosilec predmeta / Lecturer:

Prof. dr. Igor But

Jeziki / Predavanja / Lectures: slovenski, angleški / slovenian, english

Languages: Vaje / Tutorial: slovenski, angleški / slovenian, 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:

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. 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 inkontinenca in prekomerne aktivnosti mehurja
- Funkcionalna magnetna stimulacija pri zdravljenju žensk z urinsko inkontinenco

Content (Syllabus outline):

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:

- 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

- Primarna nočna enureza – FMS kot novi neinvaziven pristop pri zdravljenju
- Biomehanika pri stresni urinski inkontinenci –novi kirurški principi zdravljenja
- Pomen mrežic v pelvični rekonstruktivni kirurgiji

- Biomechanics in stress urinary incontinence – the new surgical treatment principles
- The role of mesh in pelvic reconstructive surgery

Temeljni literatura in viri / Readings:

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

Cilji in kompetence:

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.

Objectives and competences:

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.

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.

Intended learning outcomes:

Knowledge and understanding:

After absolving the lectures and practical work the candidate has to present knowledge which is defined in the program.

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

Delež (v %) /

Načini ocenjevanja:

Weight (in %)

Assessment:

– Pisni izpit, – ustni izpit, – seminarska naloga, – predstavitev raziskovalnega dela (poster, članek)		– Written examination, – oral examination, – Coursework, – Presentation of the research project (poster, article)
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