

TEACHING GUIDE FOR THE SUBJECT (SUBJECT CARD)

NAME OF THE UNIT TEACHING THE SUBJECT:

Department of Reproductive Endocrinology, Chair of Andrology and Reproductive
Endocrinology

EDUCATIONAL PROFILE: general

ACADEMIC SPECIALISATION: doctoral studies

LEVEL OF EDUCATION: doctoral studies

FORM OF STUDIES: full-time

Course name: Reproductive medicine and sexology

Subject code:

Subject language: English

Course objectives

The aim of the course is to familiarise students with the current knowledge on:

- disorders of sex differentiation and development,
- disorders leading to a reduction in a couple's fertility potential,
- disorders leading to a reduction in the quality of sexual life for men and women,
- the diagnosis of fertility disorders and sexual disorders,
- clinical problems and therapeutic controversies related to the treatment of infertility and sexual disorders,
- issues related to the use of assisted reproductive technologies in the treatment of partner's fertility disorders.

Academic year: 2025/2026

Form of classes and number of hours for each form of class:

Subject	Language classes	Self-study	Lecture	Exercises	Laboratory classes	Seminars	Practical classes	E-learning	Work placement	Other	Number of ECTS points
Reproductive medicine and sexology		4,5				15			On-line		

Number of ECTS points and their distribution, taking into account the various forms of student's work:

ECTS points:

- seminars 70%
- self-study 30%

Name and surname of the lecturer(s):

Piotr Byczkiewicz, MD

Prerequisites:

Knowledge on human reproductive system physiology

Teaching methods:

- multimedia presentation;
- discussion on the presented issues.

Course content**Seminars**

1. (5 x 45 min.)

- Disorders of sex differentiation and puberty

The seminar focuses on the physiology and disorders of sex differentiation and sexual maturation, as well as diagnostic and therapeutic principles in these disorders.

2. (5 x 45 min.)

- Fertility disorders and sexual disorders

The seminar is devoted to the principles of diagnosis and treatment of male infertility and sexual disorders.

3. (5x 45 min)

- The clinical significance of basic and additional semen analysis tests in andrological diagnostics
- Assisted reproduction as a method of treatment for infertility

The seminar is devoted to the principles of qualification for basic and additional diagnostic tests in semen and their interpretation. Assisted reproduction techniques and the principles of patient qualification for them are also discussed.

Learning outcomes

Knowledge

In terms of knowledge, the graduate knows and understands:

General:

- development, structure and functions of the human body in normal and pathological conditions (reproductive system);
- symptoms and course of diseases (of the reproductive system during development and sexual maturity);
- diagnostic and therapeutic procedures appropriate for specific medical conditions (diseases of the reproductive system);

Detailed:

- A.W2. the structure of the human body in a topographical and functional approach (reproductive systems);
- A.W4. basic cellular structures and their functional specialisations (ovogenesis and spermatogenesis);
- B.W22. course and regulation of reproductive functions in women and men;
- B.W25. understands the relationship between factors disrupting the balance of biological processes and physiological and pathophysiological changes;
- C.W3. the normal human karyotype and different types of sex determination;
- C.W34 clinical forms of the most common diseases of individual systems and organs, metabolic diseases, and water-electrolyte, hormonal, and acid-base balance disorders (reproductive systems)

- E.W1. environmental and epidemiological determinants of the most common diseases (infertility, sexual disorders);
- E.W3. causes, symptoms, principles of diagnosis and therapeutic management of the most common diseases in children (puberty disorders and gonadal function disorders);
- E.W7. causes, symptoms, principles of diagnosis and treatment of the most common internal diseases occurring in adults and their complications: diseases of the endocrine system (diseases of the hypothalamus and pituitary gland, ovaries and testicles);
- E.W8. the course and symptoms of the ageing process (hypogonadism in ageing men)
- E.W21. issues of human sexuality and basic disorders related to it;
- E.W39. types of biological materials used in laboratory diagnostics and rules for collecting material for testing (diagnosis of fertility disorders);
- E.W40. theoretical and practical foundations of laboratory diagnostics (diagnosis of fertility disorders);

Skills

In terms of skills, graduates are able to:

General:

- recognise medical problems and determine priorities in medical treatment (problems related to sexual development, reproduction and sexual performance);

Detailed:

- E.U.16. plan diagnostic, therapeutic and preventive procedures;
- E.U24. interpret laboratory test results and identify the causes of deviations from the norm;
- D.U1. be able to take into account the subjective needs and expectations of the patient resulting from socio-cultural conditions in the therapeutic process;
- D.U13. is able to adhere to ethical standards in professional activities;
- D.U15. is able to respect patient rights,

Social competences:

In terms of social competences, the graduate is prepared to:

- act in the best interests of patients;
- respecting medical confidentiality and patient rights;
- recognising and acknowledging their own limitations and self-assessing their deficits

and educational needs;

Bibliography

Basic literature:

- E. Nieschlag, H. M. Behre, S. Nieschlag (red.): Andrology: Male Reproductive Health and Dysfunction. Springer, 2023
- J. Słowikowska-Hilczner (red.): Andrologia. Zdrowie mężczyzny od fizjologii do patologii. PZWL, 2021

Supplementary literature:

- Aktualne Rekomendacje European Association of Urology (EAU): Sexual and reproductive health. Rekomendacje dostępne są na stronie internetowej EAU <http://uroweb.org/guidelines/sexual-and-reproductive-health>
- P. Gajewski (red.) Interna Szczeklika 2025. Rozdziały: Zaburzenia różnicowania i determinacji płci. Choroby jąder. Medycyna Praktyczna, 2025
- M. Lew-Starowicz, Z. Lew-Starowicz, V. Skrzypulec-Plinta (red.): Seksuologia. PZWL, 2018
- B. Pyrżak, M. Walczak (red.): Endokrynologia wieku rozwojowego. Rozdziały: Zaburzenia rozwoju płci. Zaburzenia dojrzewania płciowego. PZWL, 2023

Methods and means of verifying learning outcomes, including the form and conditions for passing the course:

Single-choice test on-line

Conditions for passing:

- each correct answer = 1 point (maximum 10 points),
- to pass the course, students must obtain at least **6 points (60%)**,
- the final grade is awarded according to the following scale:
 - 6/10 (60%) – satisfactory (3.0),
 - 7/10 (70%) – satisfactory plus (3.5),
 - 8/10 (80%) – good (4.0),
 - 9/10 (90%) – good plus (4.5),
 - 10/10 (100%) – very good (5.0).

Rules for making up for absences from classes

According to the regulations posted in the Class rules.

Additional information:

Classes will be held online according to the established class schedule.

Class coordinator:

Piotr Byczkiewicz, MD

**Class rules
for the subject "Reproductive Medicine and Sexology"**

1. Seminar classes are held on-line according to the established class schedule.
2. In the event of absence from classes, the student is required to justify their absence and discuss the procedure for completing the course with the coordinator.
3. To pass the course, students must know the information provided at the seminars supplemented with knowledge from recommended bibliography.
4. The assessment of the course is based on the single-choice test (10 questions)
5. The results of the assessment will be entered into the electronic index in the UXP system within two weeks.
6. If you have any doubts about the grade you have received or the clarity of the questions, please write to the course coordinator, Piotr Byczkiewicz, MD, requesting an explanation. You will receive a reply within a week.
7. The course coordinator is available to students during designated consultation hours, by prior appointment via email on Tuesday: 10:00-12:30.
8. All matters related to seminar assignments should be directed to the course coordinator, Dr. Piotr Byczkiewicz (e-mail: piotr.byczkiewicz@umed.lodz.pl).

Dean's signature:

Date: