HUMANITAS MEDICAL SCHOOL

Course: Obstetrics and Gynecology course Medicine and Surgery

Year 5th

Period 2nd semester

Credits: 5

Coordinator:

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Objectives

The course aims at acquainting the student with the varied aspects of medical care for women, giving an up-to-date knowledge about gynecological and obstetrical diseases, their diagnosis and treatment. Formal teaching lessons will include an interactive part and will be accompanied by professionalizing activities with the assistance of tutors.

Students should become able to correctly perform gynecological and obstetrical anamnesis, physical examination of the gynecological/obstetrical patient, to organize a diagnostic workout and a therapeutic plan for gynecological and obstetrical diseases. They should also acquire basic knowledge about the practical treatment of obstetrical and gynecological complications.

HUMANITAS UNIVERSITY

Contents

1. ***18th March 2026***

   Anatomy and Gynecological Endocrinology 1, h. 13:30 - 17:30

   1.1. Brief summary of woman's pelvic anatomy (Dr A. Busnelli) h. 13:30-14:30

   1.2. Hypothalamic-pituitary-ovarian axis: central and peripheral regulation of the menstrual cycle (Dr. A.Busnelli) h. 14:30 – 15:30

   1.3. Ovarian reserve (Dr. A. Busnelli) h. 15:30-16:30

   1.4. Ultrasound in gynecology (Dr A. Busnelli) h.16.30 – 17.30

2. ***24th March 2026***

   Gynecological Endocrinology 2 h. 13:30-17:30

   2.1. Amenorrhea and diagnostic workout of menstrual disorders (Dr. A. Busnelli) h. 13:30 - 14:30

   2.2. Precocious ovarian insufficiency (Dr. A. Busnelli) h. 14:30 – 15:30

   2.3. Hyperandrogenism, PCOS and the metabolic syndrome (Dr. F. Cirillo) h 15:30-16:30

   2.4. Sexual dysfunctions (Dr. V. Immediata and Dr. F. Cirillo) h 16:30- 17:30

3. ***25th March 2026***

   Reproductive Gynecology 1 h. 13:30-17:30

   3.1. Gametogenesis in the ovary and in the testis (Dr. F. Cirillo) h. 13:30-14:30

   3.2. Fertilization, embryo development and implantation (Dr. F. Cirillo) h. 14:30-15:30

   3.3. Endometriosis (dr. F. Cirillo) h. 15:30-16:30

   3.4. Malformations of the female reproductive tract (Dr F. Cirillo) h 16:30 - 17:30

4. ***30th March 2026***

   Reproductive Gynecology 2, Benign Gynecology 1, Abortion h. 13:30-17:30

   4.1. Diagnostic workout of couple's infertility and treatment (Dr. F. Cirillo) h. 13:30-14:30

   4.2. Medically assisted reproduction (Dr. F. Cirillo) h. 14:30-15:30

   4.3. Uterine prolapse and pelvic inflammatory disease (Dr. F. Cirillo) h. 15:30 -16:30

   4.4. Voluntary abortion (Dr. F. Cirillo) h 16:30-17:30

5. ***8th April 2026***

   Family planning and Contraception, Ectopic pregnancy, Menopause h. 13:30-17:30

   5.1. Family planning and contraception (Dr. A. Busnelli) h. 13:30-14:30

   5.2. Menopause and its complications (Dr. A. Busnelli) h.14:30-16:30

   5.3. Ectopic pregnancy (dr. F. Cirillo) h. 16:30-17.30

6. ***9th April 2026***

   Benign Gynecology 2 h. 13:30-17:30

   6.1 Benign ovarian cysts (Dr. F. Martinelli) h. 13:30-14:30

   6.2 Uterine myomas (Dr. F. Martinelli) h 14:30-15:30

   6.3 Polyps (Dr. F. Martinelli) h 15:30-16:30

   6.4 Endoscopic surgery (Dr. F. Martinelli) h: 16:30-17:30

7. ***15th April 2026***

   Obstetrics 1 h. 13.30-17:30

   7.1. Placentation and physiologic changes in pregnancy (Dr. A. Inversetti) h. 13:30-14:30

   7.2. Prenatal diagnosis and screening for aneuploidies (Dr. A Inversetti) h 14:30-15:30

   7.3. Spontaneous abortion and recurrent pregnancy loss (Prof. N. Di Simone) h. 15:30-16:30

   7.4. Preterm labor and delivery (Prof. N. Di Simone) h. 16:30-17:30

8. ***21st April 2026***

   Obstetrics 2 h. 13:30-17:30

   8.1. Stages of physiological labor and delivery. Fetal monitoring during labor (Dr. A. Inversetti/Prof. N. Di Simone) h 13:30-14:30

   8.2. First stage and second stage dystocia (Dr. A. Inversetti/ Prof. N. Di Simone) h. 14:30-15:30

8.3. Operative vaginal delivery (dr. A Inversetti/ Prof. N. Di Simone) h. 15.30-16.30

8.4. Shoulder dystocia (dr. A. Inversetti/ Prof. N. Di Simone) h. 16.30-17.30

9. 22nd April 2026

Obstetrics 3 h. 13:30-17:30

9.1. Induction of labor (Dr. A. Inversetti) h. 13.30-14.30

9.2. Fetal growth disorders and ultrasound diagnosis (Dr. A. Inversetti) h. 14:30-16:30

9.3. Cesarean section (Prof. N. Di Simone) h. 16:30-17:30

10. 28th April 2026

Obstetrics 4 h. 13:30 – h 17:30

10.1. Hypertensive disorders in pregnancy (dr. A. Inversetti) h. 13.30-15.30

10.2. Twin and multiple pregnancy (dr. A. Inversetti) h. 15.30-16.30

10.3. Infections in pregnancy (TORCH) (dr. A. Inversetti) h. 16.30-17.30

11. 29th April 2026

Obstetrics 5 h. 13:30-h 17:30

11.1. Gestational Diabetes (Prof. N. Di Simone) h. 13:30-14:30

11.2. Postpartum Haemorrhage (Prof. N. Di Simone) h.14:30-15:30

11.3. Placenta previa and accreta, abruptio placentae and vasa previa (Prof. N. Di Simone) h. 15:30-16:30.

11.4. Autoimmune diseases (Prof. N. Di Simone) h.16:30-17:30

12. 5th May 2026

Gynecological oncology 1 h. 13:30 - 17:30

12.1. Screening of pre-neoplastic lesions of the lower genital tract (Prof. D. Lorusso) h.13:30-15:30

12.2. Cancer of the cervix (Prof. D. Lorusso) h. 15:30-17:30

13. 8th May 2026

Breast cancer 13:30-15:30

13.1. Benign diseases of the breast (Prof. Tinterri) h. 13:30-14:30

13.2. Cancer of the breast and fertility preservation (Prof. Tinterri) h. 14:30-15:30

14. 12th May 2026

Gynecological oncology 2 h. 13:30-17:30

14.1. Cancer of the ovary (Prof. D. Lorusso) h. 13:30-14:30

14.2. Trophoblast diseases (Prof. D. Lorusso) h. 14:30-15:30

14.3. Endometrial cancer (Prof. D. Lorusso) h. 15:30-16:30

14.4. Preneoplastic lesions and cancer of the vulva (Prof. D. Lorusso) h. 16:30-17:30

Teaching Methods

Each hour of lesson will be divided as follows:

- *30-40 min front lecture (including 5 min of key, take-home messages)*
- *10-15 min of questions and answers*
- *10 min interval*

Students are encouraged to actively participate to the lectures with questions and comments.

Professionalizing activities

Professionalizing activities will be registered by the student on a Clinical Logbook, signed by tutors. The schedule of professionalizing activities appears in a separate document.

Assessment

Learning tests on specific parts of the program will be periodically performed throughout the course, in order to let the students estimate the reached knowledge level. The final exam will be ***written and oral*** *, and will include* ***20 brief multiple choice questions (1 points each)*** *on topics treated in the course. Students will have one hour of time for the written part.* ***Only those who will reach at least 12 points will be admitted to the oral part****.* ***Oral exam (one question) will follow the written part.*** *The final evaluation will be the mean of the points obtained by the 2 parts of the exam. Oral exam is mandatory. Choosing the wrong answer in the written part does not cause a decrease in the total amount of points.*

Texts

1. *Current Diagnosis and treatment: Obstetrics and Gynecology, Nathan, Laufer, Roman, DeCherney, 12th Edition, McGraw-Hill Education/Medical*
2. *Beckmann and Ling's, Obstetrics and Gynecology, Beckmann, Ling, Herbert, Laube, Smith, Casanova, Chuang at al., 7th Edition, Wolters Kluwer*
3. *Williams Obstetrics and Gynecology, Cunningham, Leveno, Bloom, Dashe, 25th Edition, McGraw-Hill Education/Medical*
4. *Lippincott, Williams and Wilkins – The American College of Obstetrics and Gynecology.*

All slides and videos shown during the lessons will be available for further consultation by students.