

CdS in BIOTECNOLOGIE

FROM THE FUNCTION OF THE REPRODUCTIVE SYSTEM TO BIOTECHNOLOGIES

UNIVERSITÁ DEGLI STUDI DI TERAMO

Prof. Valentina Russo

Course Organization

The course is organised in:

- Theoretical online Lessons



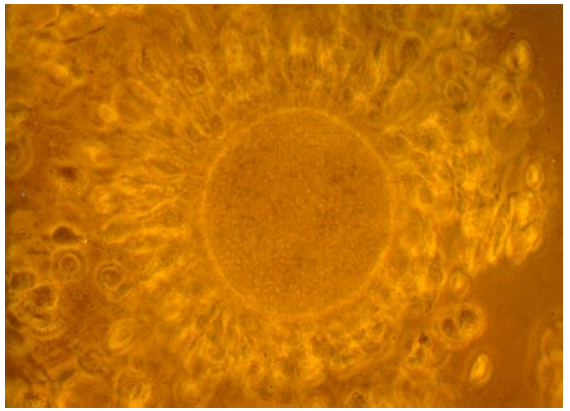


Learning Objectives

At the end of the course, the student will have acquired an overview of the control mechanisms underlying the function of the female reproductive system in general, and ovarian function in particular.

Using the animal model, the student will gain skills in methodologies aimed at the isolation, handling, and evaluation of ovarian components and the female gamete, as well as the fundamental principles of IVM/IVF.

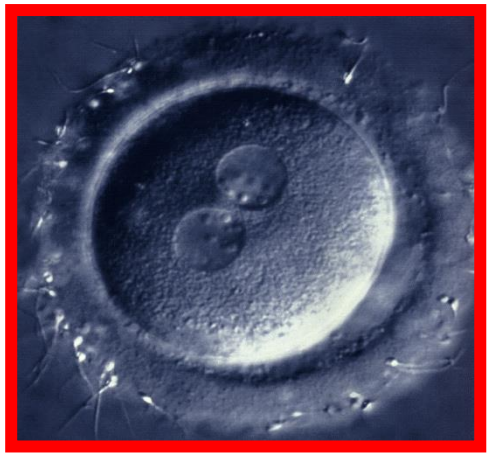
Course Description

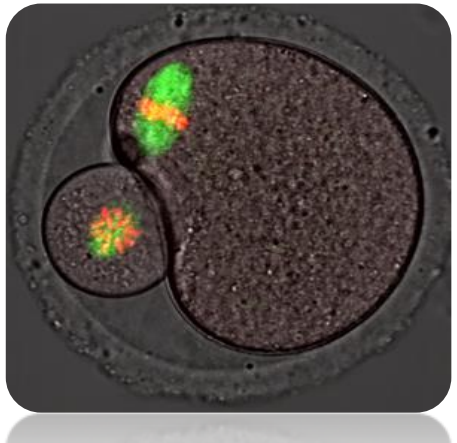


Theoretical Course

- Structure of the female reproductive system
- Structure of the endocrine glands involved in the control of gonadal function
- Ovarian function and its neuroendocrine regulation
- Ovarian cycle, estrous cycle, and uterine cycle
- Reproductive biotechnologies applied to female reproduction

MII





Recommended Textbook

Casa Editrice Ambrosiana
FISIOLOGIA DEGLI ANIMALI DOMESTICI
O. Sjaastad, O. Sand, K. Hove

Adaghi EY, Leung CK, The Ovary, Raven Press, New York

Supplementary Readings

Monesi V, Istologia, PICCIN, Padova.

Barone R, Anatomia comparata dei Mammiferi domestici, Vol. IV, Edagricole, Bologna.

Adaghi EY, Leung CK, The Ovary, Raven Press, New York.

Knobil E, Neill JD, Physiology of Reproduction Vol. I-II, Lippincott Williams & Wilkins; 2nd edition.

Scala C, Pasquinelli G, Cenacchi G, Microscopie in biologia e in medicina, CLUEB, Bologna

Sathananthan AH, Atlas of human cell ultrastructure, La Trobe University Press.

Examination Methods



1 Final Written Exam

… ORAL EXAM

Student Office Hours

Tusday from 10.00 to 12.00

by phone
0861.266930

E-mail: vrusso@unite.it