

## CLASSROOMS FOR LABS/PRACTICAL EXERCISES:

### A) LABORATORIES OF ANATOMY AND HISTOLOGY AND MEDICAL EMBRIOLOGY:

The teaching laboratories are present both for Human Anatomy and for Medical Histology and Embryology.

In Anatomy there is a room on the first floor of the building of Santa Patrizia scale A, dedicated to exercises for the vision of organ slides.

The latest generation microscopes are 30 in number and students have free access.

In Anatomy, ultrasound scans are also performed for the vision of organs using the ultrasound system. These exercises are carried out in another classroom-laboratory.

HISTOLOGY exercises are performed in the classroom dedicated to the exercises, located in the Complex of Santa Patrizia and equipped with 35 Leica binocular microscopes, each with 3 enlargements (small 10x, medium, 40X, and greater 100X with immersion oil). Each exercise lasting 2 hours concerns a type of fabric.

The classroom is large and the microscopes are efficient. In addition to the microscopes there is the projection of the slides of the slides, which the students then view under a microscope. Therefore the first ones see on the big screen the images, which are commented together with the teacher with the intervention of everyone and subsequently they observe the slides under the microscope.

A last additional exercise of recapitulation is carried out in order to provide a further possibility of further study.

In this way each student has the opportunity to observe the various tissues several times, either with the help of the teacher, or alone (self-learning).

The slides are always provided to the students.

### B) LATEST GENERATION EDM SIMULATORS FOR MEDICAL-SURGICAL EXERCISES

The School of Medicine and Surgery of the University of Campania 'L. Vanvitelli' acquired in 2017 the following simulators for laboratories and practical training activities of medical simulation:

N. 2 dummies with high technology of Internal Medicine and Cardiology (electrocardiography) + 2 DAE

N. 1 high technology dummy for Obstetrics (eutocic birth and types of dystocic birth with fetus)

N. 1 high-tech neonatal mannequin

N. 4 Laparoscopic surgery simulation console

The high-tech mannequins, both equipped with laptops for wireless management and as a patient monitor, are:

- the HAL S1020 Emergency Care Simulator, which is a 12-lead ECG simulator with integrated model for the diagnosis of myocardial infarction and of the main coronary and non-coronary syndromes, which with it enter into differential diagnosis;

- SimMan 3G, which is a simulator suitable for any relevant scenario of Internal Medicine but also of Emergency Medicine and of the main specialized disciplines of medical-surgical interest.

The University has a fully equipped virtual teaching simulation center, located in the classrooms of the Complex of S. Andrea delle Dame, on the ground floor (floor of the Cloister), in the corridor that gives access to the Aula Bottazzi. It is a complex of n. 4 classrooms, characterized as follows:

n. 1 Classroom equipped with 2 examination tables, on which are placed 2 advanced simulators for medical education and ACLS / BSLD, table with chairs, video projector and screen, as well as audiovisual apparatus for shooting and recording scenarios. In this classroom it is possible to carry out live teaching sessions open to a maximum of 8-10 students.

n. 1 classroom with 30 seats, equipped with multimedia connection with the previously described classroom, projection screen and video projector as well as environmental speakers, with function room for lessons and debriefing.

n. 1 Darkroom equipped with n. 4 advanced simulators for laparoscopic surgery

n. 1 Service room that houses the containers and spare parts of the aforementioned simulators.