

PATHOLOGY OF THE REPRODUCTIVE SYSTEM

Course Organiser: A Williams

Lecturers: F Constantino-Casas, A Williams

Term: Michaelmas

Aims:

To lay the foundations for the discussion of reproductive disorders in the infertility and obstetrics course, by covering the following areas:

- pathology and pathogenesis of the common conditions of male genital organs
- pathology and pathogenesis of the common conditions of the male accessory sex glands
- pathology and pathogenesis of the common conditions of the female reproductive tract
- pathology and pathogenesis of the common conditions of the mammary gland

Overall Objective:

On completing the course, the student should:

- have an overview of the common disorders of the reproductive system;
- understand basic examples of reproductive pathology in the male and female tract arising from developmental disorders, infectious agents, trauma, hormonal disorders and environmental factors;
- understand the common neoplastic conditions of the male and female reproductive tract.

Pre-requisites:

- a basic understanding of the functional anatomy and physiology of the reproductive system in the male and female of the common domestic animals as presented in the preclinical courses.
- a basic understanding of pathological processes particularly inflammation, healing, repair neoplasia.

Lecture List:

1. Male reproductive system

FCC

Cryptorchidism, testicular hypoplasia, segmental aplasia of epididymis, testicular hypertrophy. Testicular degeneration and atrophy. Orchitis and epididymitis. Testicular neoplasia. Miscellaneous conditions. Lesions of penis and prepuce. Lesions of accessory genital glands.

2–3. Female reproductive system

AW

Inflammatory lesions of vagina and vulva. Uterus lesions including metritis and endometritis. Pyometra. Pathology of the gravid uterus. Abortion and stillbirth. Mastitis.

4. Neoplasias of the reproductive system

FCC

Tumours of the female genitalia, including ovarian neoplasia. Pathology of male genitalia including prostate gland. Neoplasms of the mammary gland.

Practical:

There will be one, 2-hour practical covering the gross and histopathology of representative lesions of the male and female reproductive tracts, and mammary gland.

Handout: will be provided to cover all lectures.

CAL: none.

Further reading: will be indicated in the course handout.