

UNIVERSITY OF NAIROBI
CLINICAL STUDIES DEPARTMENT
JCL 436: REPRODUCTIVE DISEASE AND INFERTILITY
2022/2023 SEMESTER ONE TEACHING SCHEDULE

TIME:	MONDAYS:	4.00 – 5.00 P.M.
	FRIDAYS:	8.00 – 9.00 A.M.
	FRIDAYS:	9.00 – 10.00 A.M.
	FRIDAYS:	10.30 A.M – 11.30 A.M.

<u>DATE</u>	<u>TOPIC</u>	<u>LECTURER</u>
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October 2022

REPRODUCTIVE DISORDERS:

Abnormalities of the oestrous cycle: all domestic animals

MON 3 RD	Congenital states that prevent cyclicity	Dr. Mbai
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Acquired states of the uterus that prevent normal luteolysis

FRI 7 TH	Acquired states in which the hypothalamic-pituitary–ovarian axis functions improperly	Dr. Mbai
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Managemental anoestrus

FRI 7 TH	Irregular oestrous cycles in mares	Dr. Mbai
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FRI 7 TH	Failure to conceive/repeat breeding	Dr. Mbai
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Infertile bulls

Incorrect semen handling

Nutritional causes

Ovulatory disorders

MON 10TH	HOLIDAY	
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FRI 14 TH	Progesterone insufficiency	Dr. Mbai
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Uterine pathology as a cause of repeat breeding

Congenital, hereditary, or anatomical causes

Diagnostic procedures for repeat breeding

Abnormalities of fertilization and the gestation period

FRI 14 th	Polygyny and polyspermy	Dr. Mbai
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Twinning and Freemartinism

Intersexes

Hermaphrodites

Pseudopregnancy

FRI 14 th	Wandering of the embryo	Dr. Mbai
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Superfecundation

Telegony

	Superfetation	
	Extrauterine pregnancies and fetuses	
MON 17 TH	Vocabulary of fetal loss: EED, resorption, abortion, premature delivery, stillbirth	Dr. A Ng'eno
	Infectious and Non-infectious causes of abortion	
FRI 21 ST	Differential diagnosis and diagnostic procedures for abortion	Dr. A Ng'eno
	Fetal mummification	
	Fetal maceration	
FRI 21 ST	Hydrops of the fetal membranes	Dr. Nakami
FRI 21 ST	Vaginal prolapse	Dr. Nakami
	Genetic or inherited malformations: achondroplasia, epitheliogenesis imperfecta, schistosoma reflexus etc	
Pathology of puerperium		
MON 24 TH	Haemorrhages	Dr. Mbai
	Subinvolution of placental sites	
	Pressure necrosis	
	Ulcerations	
	Contusions of birth canal	
FRI 28 TH	Nerve paralyses	Dr. Mbai
	Fractures	
FRI 28 TH	Uterine rupture	Dr. Mbai
	Vaginal tears	
	Vulva and perineal tears	
Prolapses of abdominal organs associated with parturition		
FRI 28 TH	Prolapse of the intestines	Dr. Nakami
	Prolapse of the rectum	

November 2022

FRI 4TH Prolapse of the bladder Dr. Nakami
Eversion of the bladder
Prolapse of perivaginal fat

FRI 4TH Prolapse or eversion of the uterus Dr. Nakami

Retention secundarium in domestic animals (RAB)

FRI 4TH Definition Dr. Nakami
Mechanism for normal placental removal

MON 7TH Factors causing placental retention Dr. Nakami
Retained placenta in domestic species
Management of retained placenta

Non-specific endometritis – all species

FRI 11TH Definition Dr. Bwanga
Non-specific uterine infections
Mechanisms that prevent non-specific uterine infections

FRI 11TH Reasons for failure of genital tract to combat non-specific Dr. Bwanga
uterine infections

FRI 11TH Puerperal metritis in cattle Dr. Bwanga
Endometritis in cattle

MON 14TH Endometritis in the sow Dr. Bwanga
Endometritis in the mare

FRI 18TH Endometritis in the bitch and queen Dr. Ndeke
Cystic hyperplasia, endometritis, metritis and pyometra

Infectious infertility – Cattle

FRI 18TH Trichomoniasis Dr. Ndeke

FRI 18TH Vibriosis Dr. Ndeke

MON 21ND Brucellosis Dr. Ndeke

FRI 25TH Granular (nodular) venereal disease (granular vulvitis) Dr. Ndeke
and Mycoplasma, Ureaplasma and Hemophilus infections
Leptospirosis

FRI 25TH Infectious pustular vulvovaginitis (IBR-IPV) Dr. Ndeke
BVDV

FRI 25TH Differential diagnosis and diagnostic procedures for bovine Dr. Ndeke
infectious infertility

Infectious infertility – Mares

MON 28TH Contagious equine endometritis Dr. A. Ngeno/Dr. Nzomo

December 2022

FRI 2ND CONTINUOUS ASSESSMENT TEST

ALL

FRI 2ND CONTINUOUS ASSESSMENT TEST

ALL

MON 5TH Coital exanthema
Dourine
Differential diagnosis and diagnostic procedures
for equine infectious infertility
Dr. A. Ngeno/Dr. Nzomo

Infectious infertility – Pigs

FRI 9TH Swine reproductive diseases
Outcome of infectious diseases
Leptospirosis
Dr. Bwanga

FRI 9TH Brucellosis
Porcine parvovirus
Pseudorabies
Porcine reproductive and respiratory syndrome
Dr. Bwanga

FRI 9TH Diagnosis of reproductive failure in swine manifested
as abortion, mummified fetuses, stillbirths, and birth
of weak neonates
Dr. Bwanga

January 2023

Infectious infertility – Small Ruminants

FRI 13TH Brucellosis
Actinobacillosis
Mycoplasmosis
Dr. Bwanga

FRI 13TH Differential diagnosis and diagnostic procedures
for small ruminant infectious infertility
Dr. Bwanga

Infectious infertility – Small Animals

FRI 13TH Brucellosis Canine herpes virus
Dr. A. Ngeno

MON 16TH Mycoplasmas and Ureaplasmas
Miscellaneous infections
Differential diagnosis and diagnostic procedures
For small animal infectious infertility
Dr. A. Ngeno

Reproductive disorders in male animals

FRI 20TH Definitions: fertility, infertility, sterility, potency
Defective libido
Impotentia coeundi
Impotentia generandi
Dr. A. Ngeno

FRI 20TH Behavioural problems in males
Undesirable mounting and masturbation in dogs
Urine spraying in tom cats
Disturbances of testicular function: hypoplasia,
degeneration, atrophy, Cryptorchidism

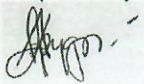
Dr. A. Ngeno/Dr. Sotonye

FRI 20TH Disturbances of epididymal function
Disturbances of accessory sex glands
Penile and preputial problems

Dr. A. Ngeno/Dr. Sotonye

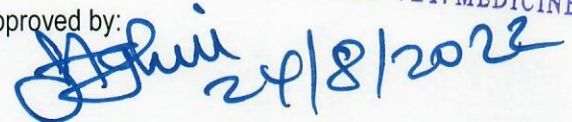
23RD Jan 2023 to 3RD FEB 2023: SEMESTER ONE EXAMINATIONS

Prepared by:



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Approved by:



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cc. Academic Staff - Theriogenology
Notice boards, CSD