

<p style="text-align: center;"><b>Obstetrics and Reproduction II. (8th semester)</b>  <b>Program of Lectures for the English Course</b>  <b>2018/2019 – Spring</b>  (on MONDAYS from 8:15 AM to 11:00 AM; Hetzel Henrik Auditorium; 3 X 45 min)</p>		
1.	4 <sup>th</sup> Febr	Canine reproduction 1. Physiology of the oestrus cycle. Physiology and pathology of puberty. Estrus. Canine pregnancy and pseudopregnancy. ( <i>L.Müller</i> )
2.	11 <sup>th</sup> Febr	Canine reproduction 2. Parturition and involution. Cesarean section, clinical care of mother and neonatology in canine. Peripartal diseases. ( <i>L. Müller</i> )
3.	18 <sup>th</sup> Febr	Canine reproduction 3. Cystic endometrial hyperplasia (CEH/HGCE) – pyometra complex and its extragenital consequences. Symptoms and treatment. Feline reproduction. Physiology of the oestrus cycle. Estrus. Puberty. Pregnancy and pseudo-pregnancy. Parturition and involution. ( <i>L. Müller</i> )
4.	25 <sup>th</sup> Febr	Canine reproduction 4. Abnormalities of the oestrus cycle. Pharmacological treatments influencing the oestrus cycle. Diagnosis and treatment of mastitis, benign and malignant mammary diseases. ( <i>L. Müller</i> )
5.	4 <sup>th</sup> Mar	The effects, timing and technique of spaying/neutering small animals. ( <i>L. Müller</i> )
6.	11 <sup>th</sup> Mar	Equine reproduction 1. Physiology of the oestrus cycle. The heat. The seasonality of the oestrus cycle. Possibilities and limitations of inducing the first ovulation in the beginning of the breeding season. Oestrus synchronisation in the breeding season. ( <i>L. Solti</i> )
7.	18 <sup>th</sup> Mar	Equine reproduction 2. Genital disorders and infertility in horses: Ovarian disorders with changes in size (haematoma, abscess, and tumor). Ovarian disorders with no changes in size (shortening of the CL-phase, dioestral ovulation, corpus luteum persistency, and nymphomania). ( <i>L. Solti</i> )
8.	25 <sup>th</sup> Mar	Equine reproduction 3. Causes and differential diagnosis of anoestrus in the breeding season. Pathology, symptoms, diagnosis and treatment of endometritis and endometriosis. Fibrosis periglandularis. ( <i>L. Solti</i> )
9.	1 <sup>st</sup> Apr	Equine reproduction 4. Equine pregnancy: Characteristics of embryonic and foetal development. The endocrinology of the pregnancy. Diagnosis of the pregnancy. Embryonic mortality and abortion. Twin pregnancy and its management. Abortions of different causes. ( <i>A.Horváth</i> )
10.	8 <sup>th</sup> Apr	Equine reproduction 5. Equine obstetrics: Displacement of the pregnant uterus. Predicting the time of the parturition. The foaling and its supervision. Caring for the newborn foal. Placental retention. The equine puerperium. Injuries of the reproductive tract. Onset of cyclic ovarian function after foaling. The foal heat. ( <i>A. Horváth</i> )
		<b>15<sup>th</sup> Apr: Easter Holiday</b>
		<b>22<sup>th</sup> Apr: Easter Monday</b>
11.	<b>27<sup>th</sup> Apr, Saturday!</b>	Porcine reproduction 1. Physiology of the oestrus cycle, puberty, onset of cyclic ovarian activity after weaning. The remnants of seasonality and its practical aspects. Oestrus and oestrus detection. Induction of oestrus. Possibilities and limitations of synchronization. ( <i>J. Rátky</i> )
12.	29 <sup>th</sup> Apr	Porcine reproduction 2. Fertilization. Early embryonic development. Endometritis after artificial insemination, as a main cause of infertility. Herd-level management of reproduction. ( <i>J. Rátky</i> )
13.	6 <sup>th</sup> May	Porcine reproduction 3. Porcine pregnancy and parturition: Physiology, pathology and diagnosis of pregnancy. Farrowing. The involution of the sow. Caring for the piglets and their main diseases. Nutritional and environmental factors influencing the reproduction. ( <i>J.Rátky</i> )
14.	13 <sup>th</sup> May	Guest lecturer ( <i>guided by S. Cseh</i> )

**Mid-term examinations** (written, multi-choice test):

**There are 2 mid-term tests in this semester**

1. 12th March (Tuesday) 7:30- canine and feline reproduction lectures  
1-2-3-4 gr.: HETZEL; 5-6-7-8 gr.: TORMAY
2. 2nd May (Thursday) 7:30- equine reproduction lectures  
1-2-3-4 gr.: HETZEL; 5-6-7-8 gr.: TORMAY

**Retake for both tests:** 9th May, Thursday (appointment and room – later)

(Retake is for those students who did not write the test, or who failed it)

**Preparation of the Diploma thesis**

For those students who write their diploma thesis at the Department of Obstetrics and Reproduction we recommend to carefully read the information material provided by the Central Library of the Faculty

**The order of duty at Small Animal Reproduction Clinic:**

1. No more than five students have a permission to participate in clinical work in examination room and/or operation room of reproduction clinic simultaneously. The order is first come first serve (except the students in obligatory shift). Students have to wear clean white clothing or any type of surgeon's wear which haven't been used at clinic of infectious patients, or at the Department of Pathology.
2. In the operation room the use of surgical cap, mask and shoe cover (all arranged by the students) is obligatory.
3. It is forbidden to touch, feed, or walk the hospitalised patients unless the on-call veterinarian of the Reproduction Clinic gives permission.

Budapest, 1st February, 2019

Prof. Dr. Cseh Sándor  
department head