

<b>Obstetrics 3. 2018 Fall</b>		
<b>Program of Lectures for the English Course 9<sup>th</sup> Semester:</b>		
Andrology, Artificial Insemination and Other Techniques of Assisted Reproduction MONDAYS from 13:15 in the “Hetzel Henrik auditorium”		
1.	10, Sept.	History of reproductive biotechnology, methods and application in animal breeding. Embryo transfer - multiple ovulation, recovery, evaluation and transfer of embryos. (Solti, L.)
2.	17, Sept.	Basic principles of cryopreservation. Programmed freezing and vitrification of embryos. (Solti, L.)
3.	24, Sept.	In vitro fertilisation, test tube baby programs (Solti, L.)
4.	1, Oct.	Determination of the sex of the offspring. Sex-sorted sperm. (Solti, L.)
5.	8, Oct.	Splitting and micromanipulation of embryos. Forms of cloning and its significance. (Solti, L.)
6.	<b>13 Oct. SATURDAY MAREK au- ditorium.</b>	Gene manipulation techniques. Gene modified plants and animals in the industry, agriculture and medicine. (Solti, L.)
7.	15, Oct.	Structure of the male reproductive organs. Neuroendocrine regulation of the male reproduction. Endocrine and exocrine function of the testicles. Thermoregulation of the testis. (Cseh S.)
<b>22 October – Holiday</b>		
8.	29, Oct.	Physiology and pathology of epididymis and accessory sexual glands. The contagious epididymitis and orchitis of rams. (Cseh, S.)
9.	5, Nov.	<b>Guest lecturer – Tamás Somfai</b> – from Institute of Livestock and Grassland Science, National Agriculture and Food Research Organization (NARO – Japan) <i>Guided by S. Cseh</i>
10.	12, Nov.	Artificial insemination. I. Semen collection, evaluation, dilution, and cryopreservation. (Cseh S.)
11.	19, Nov.	Artificial insemination II. (cattle, pig, small ruminants) (Cseh, S.)
12.	26, Nov.	Artificial insemination III. (rabbit, horse) (Cseh, S.)
13.	3, Dec..	Artificial insemination IV. (dog and cat) (Cseh, S.)
14.	10, Dec.	Infertility in males. The contagious epididymitis and orchitis of rams. (Cseh, S.)

**Mid-term examinations:** not intended during the 9<sup>th</sup> semester.

### **Preparation of the Diploma thesis**

For those students who prepare their diploma thesis at the Department of Obstetrics and Reproduction we warmly recommend to read carefully the information material provided by the Central Library of the Faculty ([http://konyvtar.univet.hu/?page\\_id=83&lang=en](http://konyvtar.univet.hu/?page_id=83&lang=en))

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

1. No more than five students have permission to participate in clinical work in examination room and/or operation room of reproduction clinic simultaneously. The order is first one first serve except the students on obligatory duty. Students have to wear a clean white cloth or any type of surgeon's cloth which haven't been used at clinic of infective patients, and at the Pathology Department.
2. In the operation room the use of operation cap, mask, and plastic foot-muff (all arranged by the students oneself) is obligatory.
3. The touch, feed, drink and take for a walk of the hospitalised patients is forbidden except by the agreement of the doctor of duty at the Reproduction Clinic.

### **Large animal practicals held in Üllő:**

Trainers/clinicians of the farm animal clinic Üllő ask you to bring forceps, needle-holder, scalpel and scissors with yourself to the practicals.

Budapest, 6 September 2018

Prof. Sandor Cseh  
chair of department