

Reproduction & Biotechnology 3. – 2021 Fall
Program of Lectures for the English Course 9th Semester:
MONDAYS – 2x45'

Gr. 1-6.: from 08:15 in the “Kotlán Sándor” lecture-hall (Parasitology)

Gr. 7-10.: from 13:15 in the “Plósz Béla” lecture hall (Surgery)

1.	13, Sept.	Structure of the male reproductive organs. Neuroendocrine regulation of the male reproduction. Endocrine and exocrine function of the testicles. Thermoregulation of the testis. (<i>Cseh S.</i>)
2.	20, Sept.	Physiology and pathology of epididymis and accessory sexual glands. The contagious epididymitis and orchitis of rams. (<i>Cseh, S.</i>)
3.	27, Sept.	Artificial insemination. I. Semen collection, evaluation, dilution, and cryopreservation. (<i>Cseh S.</i>)
4.	4, Oct.	Artificial insemination II. (cattle, pig, small ruminants) (<i>Cseh, S.</i>)
5.	11, Oct.	Artificial insemination III. (rabbit, horse) (<i>Cseh, S.</i>)
6.	18, Oct.	Artificial insemination IV. (dog and cat) (<i>Cseh, S.</i>)
7.	25, Oct.	Infertility in males. The contagious epididymitis and orchitis of rams. (<i>Cseh, S.</i>)
<i>1 November – Holiday</i>		
8.	8, Nov.	Embryo transfer I. History and practical application of biotechnology in animal reproduction. (Importance, principles. Multiple ovulation) (<i>Solti, L.</i>)
9.	15, Nov.	Basic principle of Embryo freezing. Embryo freezing techniques. (<i>Solti, L.</i>)
10.	22, Nov.	Embryo transfer II. (Embryo recovery in different species. The morphological evaluation of recovered embryo) (<i>Solti, L.</i>)
11.	29, Nov.	Embryo transfer III. (Surgical and non-surgical methods for transfer of embryos in cattle and other species). (<i>Solti, L.</i>)
12.	6, Dec.	Embryo transfer IV. (micromanipulation of embryos) (<i>Solti L.</i>)
13.	13, Dec.	Principles of further advanced techniques in reproductive biotechnology. (sexdetermination; production of sex-sorted semen; cloning; gene manipulation techniques; production of transgenic animals) (<i>Solti L.</i>)