### EVSSAR Course: Reproduction in companion animals Part I, 2019
#### Physiology and pathology in females and artificial insemination

**Department of Reproduction, Faculty of Veterinary Medicine in Wrocław**

pl. Grunwaldzki 49; 50-366 Wrocław

7-11 October 2019

#### COURSE PROGRAM

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<tr>
<th>Day 1 -Monday 7.10.2019 - Reproduction and breeding management</th>
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<tr>
<td>08.30 – 09.00 Registration, welcome and introduction</td>
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<tr>
<td>09.00 – 10.30 Specific features of the sexual cycle in the bitch and queen - W. Nizanski</td>
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<td>10.30 – 11.00 Coffee break</td>
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<tr>
<td>11.00 – 12.30 Investigating ovarian and uterine function - A. Fontbonne</td>
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<td>12.30 – 14.00 Lunch</td>
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<tr>
<td>14.00 – 15.30 Practice (2 groups): Vaginal smear/hormone assays/how to interpret hormone assays - A. Fontbonne/W. Nizanski</td>
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<td>15.30 – 16.00 Coffee break</td>
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<tr>
<td>16.00 – 17.15 Breeding management and breeding failures - A. Fontbonne</td>
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<td>17.15 – 17.45 Vaginal cytology: is this method really honestly reliable? - S. Arlt</td>
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<th>Day 2 - Tuesday 8.10.2019 – The pregnant bitch</th>
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<tr>
<td>08.30 – 09.30 Physiology and endocrinology of pregnancy. Pregnancy diagnosis and monitoring via ultrasound, foetal biometry - G. Mantziaras</td>
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<td>09.30 – 10.00 Pregnancy at risk - monitoring and management – G. Mantziaras</td>
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<td>10.00 – 10.15 Coffee break</td>
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<tr>
<td>10.15 – 11.00 Normal parturition and monitoring - A. Münnich</td>
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<td>11.00 – 12.00 Dystocia – diagnosis and medical management - A. Münnich</td>
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<td>12.00 – 13.30 Lunch</td>
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<tr>
<td>14.15 – 15.00 Practice (2 groups): Ultrasonography - pregnant bitch - G. Mantziaras/K. Blasiak</td>
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<td>15.00 – 15.30 Coffee break</td>
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<td>15.30 – 16.15 Surgical treatment of dystocia (Caesarian section), care of the neonate - A. Münnich</td>
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<td>16.15 – 17.00 C-section: optimal anaesthesia and analgesia - A. Münnich</td>
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<td>17.00-17.30 Round table-most interesting clinical cases / Speakers and participants</td>
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Day 3 - Wednesday 9.10.2019 - Mating, assisted mating, and artificial insemination.

08.30 – 09.15 Collection and assessment of fresh semen - X. Levy
09.15 – 10.00 Semen examination and chilling - X. Levy
10.00 – 10.30 Coffee break
10.30 -12.00 Techniques for artificial insemination in the bitch - X. Levy
12.00 – 13.30 Lunch
13.30 – 15.00 Practice (2 groups): Semen collection demonstration and training - X. Levy/W. Nizanski
15.00–15.30 Coffee break
15.30 – 16.30 Legal and zootechnical aspects of semen banking and exchange - X. Levy
16.30 – 17.00 Ethics in breeding – H. Övregaard

19.00 Course dinner

Day 4 - Thursday 10.10.2019 – Control of the reproductive cycle, infertility

08.30 – 09.00 Abnormal estrous cycles - S. Arlt
09.00 – 9.30 Induction of estrus - S. Arlt
09.30 –10.00 Ovarian Remnant Syndrome - S. Arlt
10.00 – 10.30 Coffee break
10.30 –11.15 Spaying - what positive and negative side effects do we really expect? - S. Arlt
11.15 – 12.00 Pregnancy prevention and termination - S. Arlt
12.00 – 13.30 Lunch
13.30 – 15.00 Practice: Training intravaginal and intrauterine insemination (2 groups) - X. Levy/W. Nizański
15.00 – 15.30 Coffee break
15.30 – 17.00 Practice: Training transcervical insemination (TCI) (2 groups) - X. Levy/W. Niżanski
17.00-17.30 Round table-most interesting clinical cases / Speakers and participants

Day 5 - Friday 11.10.2019

08.30 - 10.00 Cryosemen today and tomorrow – G.C. Luvoni

Diseases of the reproductive organs

10.00 – 11.00 Postpartum disorders - C. Lefêvre
11.00 – 11.30 Coffee break
11.30 – 12.00 Mammary gland disorders - S. Schäfer-Somi
12.00 – 12.30 Managing mammary tumors – S. Schäfer-Somi
12.30 – 13.30 Lunch
13.30 – 14.00 Ovarian diseases - S. Arlt
14.00 – 14.30 Vaginal diseases – C. Lefêvre
14.30 – 14.50 Coffee break
14.50 – 16.20 Uterine diseases - diagnosis and treatment - R. Hagman
16.20 – 16.50 Responsible use of antimicrobials in reproduction – H. Övregaard
16.50 - 17.00 Closing, and ... follow up Course leaders / EVSSAR Board

Course Master:
Professor Wojciech Niżański DVM PhD
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Phone 48 71 32 05 315 (302)

Confirmed speakers:
Professor Wojciech Niżański DVM PhD, Poland
Professor Gaia Cecilia Luvoni DVM PhD Dipl. ECAR, Italy
Professor Alain Fontbonne DVM PhD Dipl ECAR, France
Dr. Andrea Münnich DVM PhD Dipl. ECAR, Germany
Dr. George Mantziaras DVM PhD ECAR Resident, Greece
Dr. Xavier Levy DVM PhD Dipl ECAR, France
Dr. Sebastian Arlt DVM PhD Dipl ECAR, Germany
Dr. Helen Övregaard DVM, Norway
Dr. Catherine Lefèvre DVM Dipl ECAR, Belgium
Professor Sabine Schäfer-Somi DVM Dipl ECAR, Austria
Professor Ragnvi Hagman DVM PhD, Dipl ECAR, Sweden
Dr Karolina Blasiak, DVM, PhD, Poland