



**EVSSAR Course: Reproduction in companion animals Part I, 2017  
Physiology and pathology in females and artificial insemination**

**Department of Reproduction, Faculty of Veterinary Medicine in Wrocław  
pl. Grunwaldzki 49; 50-366 Wrocław**

**9-13 October 2017**

**COURSE PROGRAM**

**Day 1 -Monday 9.10.2017 - Reproduction and breeding management**

08.30 – 09.00 Registration, welcome and introduction

09.00 – 9.45 Physiology and endocrinology of the ovarian cycle *W. Nizanski*

09.45 – 10.30 Monitoring the reproductive cycle *W. Nizanski*

10.30 – 11.00 **Coffee break**

11.00 – 12.00 Breeding management *A. Fontbonne*

12.00 – 12.30 Investigating ovarian and uterine function *A. Fontbonne*

12.30 – 14.00 **Lunch**

14.00 – 15.30 *Practice (2 groups) : Vaginal smear/hormone assays/how to interpret hormone assays*  
*A. Fontbonne/W. Nizanski*

15.30 – 16.00 **Coffee break**

16.00 – 16.30 Natural breeding and breeding failures *A. Fontbonne*

16.30 - 17.15 Physiology and endocrinology of pregnancy *A. Fontbonne*

17.15-17.45 Round table - most interesting clinical cases / Speakers and participants

## Day 2 - Tuesday 10.10.2017 – The pregnant bitch

08.30 – 09.30	Pregnancy diagnosis, monitoring pregnancy, foetal biometry - <i>M. Beccaglia</i>
09.30 – 10.00	Pregnancy at risk, monitoring and management - <i>M. Beccaglia</i>
10.00 – 10.15	Coffee break
10.15 – 11.00	Parturition monitoring – normal parturition - <i>A. Münnich</i>
11.00– 12.00	Dystocia – diagnosis and medical management - <i>A. Münnich</i>
12.00 – 13.30	Lunch
13.30 – 14.15	<i>Practice (2 groups): Ultrasonography - non-pregnant bitch - M. Beccaglia/G. Mantziaras</i>
14.15 – 15.00	<i>Practice (2 groups): Ultrasonography - pregnant bitch - M. Beccaglia/G. Mantziaras</i>
15.00 – 15.30	Coffee break
15.30 – 16.15	Surgical treatment of dystocia (Caesarian section), care of the neonate - <i>A. Münnich</i>
16.15 –17.00	C-section: optimal anaesthesia and analgesia - <i>A. Münnich</i>
17.00-17.30	Round table-most interesting clinical cases / Speakers and participants

## Day 3 - Wednesday 11.10.2017 - Mating, assisted mating, and artificial insemination.

08.30 – 09.15	Techniques for artificial insemination in the bitch - <i>X. Levy</i>
09.15– 10.00	Collection and assessment of fresh semen - <i>X. Levy</i>
10.00 – 10.30	Coffee break
10.30 -11.15	Semen preservation: chilling and freezing-thawing - <i>X. Levy</i>
11.15 – 12.00	Semen examination - <i>X. Levy</i>
12.00 – 13.30	Lunch
13.30– 15.00	<i>Practice (2 groups): Semen collection demonstration and training - X. Levy/W Nizanski</i>
15.00–15.30	Coffee break
15.30 – 16.30	Legal and zootechnical aspects of semen banking and exchange - <i>X. Levy</i>
16.30 – 17.00	Ethics in breeding – <i>H. Övregaard</i>
<b>19.00</b>	<b>Course dinner</b>

## Day 4 - Thursday 12.10.2017 – Control of the reproductive cycle, infertility

08.30 – 09.00	Abnormal estrus cycles <i>S. Artl</i>
09.00 – 9.30	Infertility diagnosis and management <i>S. Artl</i>
09.30 –10.00	Induction of estrus <i>S. Artl</i>
10.00 – 10.30	Coffee break
10.30 –11.00	Spaying - what is optimal? - <i>S. Artl</i>
11.00 – 12.00	Pregnancy prevention and termination <i>S. Artl</i>
12.00 – 13.30	Lunch
13.30 – 15.00	<i>Practice : Insemination training vaginal and cervical (2 groups) - X. Levy/W. Nizański</i>
15.00 – 15.30	Coffee break
15.30– 17.00	<i>Practice : Insemination training cervical endoscopy (2 groups) - X. Levy/W. Nizański</i>
17.00-17.30	Round table-most interesting clinical cases / Speakers and participants

## Day 5 - Friday 13.10.2017 - Diseases of the reproductive organs

08.30 – 09.30	Postpartum disorders - <i>C. Lefèvre</i>
09.30 – 10.00	Mammary gland disorders of the non-lactating bitch - <i>S. Schäfer-Somi</i>
10.00 – 10.30	Coffee break
10.30 – 11.00	Managing mammary tumors – <i>S. Schäfer-Somi</i>
11.00 – 11.30	Ovarian diseases - <i>S. Artl</i>
11.30 – 12.00	Vaginal diseases – <i>C. Lefèvre</i>
12.00 – 13.30	Lunch
13.30 – 15.00	Uterine diseases - diagnosis and treatment <i>R. Hagman</i>
15.00 – 15.30	Coffee break
15.30 – 16.00	Responsible use of antimicrobials in reproduction – <i>H. Övregaard</i>
16.00 – 16.45	Most interesting cases - Speakers and participants
16.45 – 17.00	Closing, and ... follow up Course leaders / EVSSAR Board

### Course Master:

Professor Wojciech Nizański DVM PhD  
Head of Department of Reproduction, Faculty of Veterinary Medicine  
Wroclaw University of Environmental and Life Sciences  
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### Confirmed speakers:

Professor Wojciech Nizański DVM PhD, Poland  
Professor Alain Fontbonne DVM PhD Dipl ECAR, France  
Dr. Michela Beccaglia DVM PhD Dipl. ECAR, Italy  
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 Artl DVM PhD Dipl ECAR, Germany  
Dr. Helen Övregaard, Norway  
Dr. Catherine Lefèvre DVM Dipl ECAR, Belgium  
Professor Sabine Schäfer-Somi DVM Dipl ECAR, Austria  
Associate professor R. Hagman DVM PhD ECAR Resident, Sweden