

PRELIMINARY SCHEDULE
Vienna 2008 ISCFR Symposium and EVSSAR Biannual Meeting

PLENARY SESSIONS

Wednesday PM - July 9, 2008

14h30-16h15 PLENARY SESSION 1A. OVULATION AND FERTILITY 30 min each, 5 min discussion

Chair: K. Reynaud, J. Versteegen

1. Canine ovarian function: Endocrinological insights and questions
(P. Concannon, Cornell University, Ithaca, NY, USA)
2. Follicular dynamics, ovulation and conception rate in bitches.
(G England, School of Veterinary Medicine and Science, University of Nottingham, Sutton Bonington, Leicestershire, UK)
3. Establishment of canine pregnancy – new insights.
(S Schäfer-Somi, Centre for AI and Embryo Transfer, University of Veterinary Science, Vienna, A)

16h15-16h45 Coffee Break

16h45-18h30 PLENARY SESSION 1B. CONTRACEPTION 30 min each, 5 min discussion

Chair: J. Aurich, S. Romagnoli

1. Surgical Contraception Techniques in Dogs Including Endoscopic Ovariectomy
(G Dupre, Clinic for Surgery, University of Veterinary Science, Vienna, A)
2. Surgical contraception: Pros and cons
(IM Reichler, Section of Small Animal Reproduction, Clinic of Reproductive Medicine, Vetsuisse Faculty University Zurich, Ch)
3. Novel approaches to block reproduction in queens - GnRH implants and GnRH vaccination
(M A Driancourt, Intervet Pharma R&D, Beaucouze, F)

Thursday AM - July 10, 2008

8h15-10h15 PLENARY SESSION 2A. VIRBAC MINI-SYMPOSIUM ON GNRH AGONIST IMPLANTS 25 min each, 5 min discussion

Chair: P. Concannon, C. Gobello

1. Estrus induction using deslorelin implants.
(Michelle. Kutzler, Oregon State University, Corvallis, OR, USA)
2. Suppression of fertility using deslorelin implants.
(Tim Trigg, Animal Pharmaceutical Consultant, Sydney, NSW, Australia)
3. Clinical experience with GnRH agonist implants.
(Stefano Romagnoli, University of Padua, I)
4. Contraception of lionesses, cheetahs and wild dogs using the GnRH agonist implant Suprelorin.
(Henk Bertschinger, University of Pretoria, Onderstepoort, SA)

9h45-10h15 Coffee Break

10h45-12h30 PLENARY SESSION 2B. PREGNANCY AND NEONATOLOGY 30 min. each, 5 min discussion

Chair: J. Thuroczy, S. Schäfer-Somi

1. Influence of progesterone withdrawal on pregnancy related parameters during post-implantation early pregnancy loss.
(AR Günzel-Apel, Unit for Reproductive Medicine of Clinics – Small Animal Clinic, University of Veterinary Medicine, Hannover, G)

2. Selected Disorders of the Pediatric Canine and Feline Patient
(M Casal, Philadelphia, USA)
3. Dystocia in numbers – evidence-based parameters for intervention: real causes for dystocia and when and how to treat?
(A Munnich, Small Animal Practice, Referral Centre for Reproduction in Small Animals, Bernau near Berlin, G).

Friday AM - July 11, 2008

8h30-10h15 PLENARY 3. GENOMICS AND REPRODUCTIVE BIOTECHNOLOGY RESEARCH

30 min each, 5 min discussion

Chair: W. Nizanski, J. Versteegen

1. Development of new stem cell-based technologies for carnivore reproduction research.
(Alex Travis, Cornell University, Ithaca, NY, USA)
2. Review and Update: Genomic and Molecular Advances in Sex Determination and Differentiation in Small Animals
(V Meyers-Wallen, College of Veterinary Medicine, Cornell University, Ithaca, NY, USA)
3. Cryopreservation of canine semen – new challenges.
(W Farstad, Norwegian School of Veterinary Science, Dept. of Reproduction and Forensic Medicine, Oslo, No).

ORAL RESEARCH COMMUNICATIONS

Thursday 14h00 - 15h30

1 Biology of Pregnancy I (Room 1)

Chair: AR Günzel-Apel, B Eilts

1. Differences between seasons of the year and breeds in mating frequency, gestation length and litter size in 13 breeds of dogs. 15 min.
(Linde-Forsberg C, Dept of Clinical Sciences, Division of Reproduction, Swedish University of Agricultural Sciences, Uppsala, S)
2. Daily progesterone fluctuations during the estrous cycle in the bitch. 15 min
(Linde-Forsberg C, Dept of Clinical Sciences, Division of Reproduction, Swedish University of Agricultural Sciences, Uppsala, S)
3. Genomic imprinting in canine. 15 min
(Nolan CM, School of Biology and Environmental Science, Science Centre West, Belfield, Dublin, Ireland)
4. Experimental study of the post-partum involuting genital tract of the bitch. Part II: gross anatomical and histological features. 15 min
(Orfanou DC, Veterinary Faculty, University of Thessaly, Karditsa, Greece)
5. Examination of foetal organs with real time ultrasonography and initial steps in 4D ultrasonography in dog. 20 min, 5 min, discussion
(Thuroczy J, Small Animal Clinic of Veterinary Faculty, Szent Istvan University, Budapest, H)

2 Andrology and Spermatology I (Room 2) – 15 min each

Chair: E. Axner, N. Roskin

1. Relationship between canine sperm motility and mitochondrial functional status.
(Volpe S, Dept of Animal Production, Faculty of Veterinary Medicine, University of Bari, Valenzano, I)
2. Variations of canine sperm subpopulations related with the age in fresh ejaculates.
(Castro-López J, Unit of Animal Reproduction, School of Veterinary Sciences, Universitat Autònoma de Barcelona, Bellaterra, Spain)
3. Seasonal changes in testis cell morphology in male domestic cats (*Felis catus*).
(Stornelli MA, Cátedra y Servicio de Reproducción Animal, Facultad de Ciencias Veterinarias, Universidad Nacional de La Plata; Ar)

4. Effect of progesterone and ionomycin on domestic cat sperm motility patterns and acrosome reaction.
(Villaverde A.I.S.B, Departamento de Reprodução Animal e Radiologia Veterinária – Faculdade de Medicina Veterinária e Zootecnia, Botucatu, Brazil)
5. Morphology and expression of androgen receptor, StAR and 3 β -HSD during recrudescence of spermatogenesis following downregulation with a GnRH-implant in the dog.
(Goericke-Pesch S, Clinic for Obstetrics, Gynecology and Andrology of Large and Small Animals, Justus-Liebig-University Giessen, G)
6. Use of GnRH analogues, calcium and naloxone to produce reversible suppression of spermatogenesis in the dog.
(Cinone M, Dep. Animal Production – Faculty of Veterinary Medicine, University of Bari, I)

3 Infertility (Room 3) - 10 min each, 30 min Panel Discussion

Chair: P. Irons, V. Meyers-Wallen

1. Canine brucellosis in Argentina: A retrospective study of 731 suspected cases.
(Wanke M, Facultad de Ciencias Veterinarias, Área de Teriogenología. Chorroarín, Ar)
2. Thyroid function and infertility in the dog: a retrospective survey in five breeds.
(Segalini V, École Nationale Vétérinaire, Maisons-Alfort, F)
3. Variations of canine sperm subpopulations related with the age in fresh ejaculates.
(Castro-Lopez J, Unit of Animal Reproduction, School of Veterinary Sciences, Universitat Autònoma de Barcelona, Bellaterra, E)
4. No detection of Chlamydiaceae from the genital mucosa of healthy dogs or dogs with reproductive disturbances in Sweden.
(Strom Holst B, Uppsala and Swedish University of Agricultural Sciences (SLU), Faculty of Veterinary Medicine and Animal Health, Dept of Clinical Sciences, Uppsala, S)
5. Clinical use of testicular fine needle aspiration (FNA) cytology in oligospermic and azoospermic dogs.
(Romagnoli S, Dept of Veterinary Clinical Sciences, Faculty of Vet Med, University of Padova, Agripolis, Legnaro, I)
6. Effects of human chorionic gonadotrophin (HCG) on dog semen quality.
(Loza ME, Facultad de Ciencias Veterinarias, Area de Teriogenología. Chorroarín, Ar)

10h15-10h45 Coffee Break

Thursday 16h00 - 17h30

4 Ovary and Folliculogenesis (Room 1) - 15 min each

Chair: G. England, P. Wright

1. The effects of GnRH analogue deslorelin implants on reproduction in female domestic cats.
(Toydemir TSF, Dept of Obstetrics and Gynaecology, Faculty of Veterinary Medicine, Istanbul University, Avcılar, Istanbul, Tr)
2. Follicular morphology, oocyte diameter and localization of fibroblast growth factors in the domestic dog.
(Songasen N, Dept of Reproductive Sciences, Center for Species Survival, Smithsonian's National Zoological Park, VA, USA)
3. Follicle population, cumulus mucification and oocyte chromatin configuration during the peri-ovulatory period in the bitch.
(Reynaud K, Alfort National Veterinary College, Maisons-Alfort Cedex, F)
4. Expression of ovarian Follicle Stimulating Hormone (FSH) and Luteinising Hormone (LH) binding sites during the follicular phase in the bitch.
(Saint Dizier M, Alfort National Veterinary College, Maisons-Alfort Cedex, F)
5. Prolonged duration of fertility of dog ova.
(Tsutsui T, Dept of Reproduction, Nippon Veterinary and Life Science University, Tokyo, J)
6. Expression of markers associated with ovarian cycle in bitches.
(Thuroczy J, Faculty of Veterinary Science, Dept of Obstetrics and Reproduction, Budapest, H)

5 Urogenital and Mammary Pathology (Room 2) - 15 min each

Chair: A. Einspanier, S. Arnold

1. Urinary incontinence in spayed bitches: new insights into the pathophysiology and options for medical treatment
(Arnold S, Vetsuisse-Faculty, University of Zurich, Switzerland)
2. Differential expression of prostaglandin E2 receptors in the canine lower urinary tract of intact and gonadectomised male and female dogs
(Ponglowhapan S, Veterinary clinical Sciences, The Royal Veterinary College, University of London, Hatfield, UK)
3. Characterization of canine mammary tumor initiating cells with stem cell potential
(Cocola C, ITB-CNR, Segrate-Milan, I)
4. Investigation of the local expression of the relaxin-system in canine mammary tumors
(Lamp O, Veterinär-Physiologisch-Chemisches Institut, Universität Leipzig, Leipzig, G)
5. Expression of ABC-transport proteins in canine mammary cancer: Consequences for chemotherapy
(Honscha KU, Veterinär-Physiologisches Institut, Universität Leipzig, Leipzig, G)
6. Effect of an injectable cabergoline formulation on serum prolactin (PRL) and milk secretion in early postpartum beagle bitches
(Romagnoli S, Dept of Veterinary Clinical Sciences, Faculty of Veterinary Medicine, University of Padova, I)

6 Peripartum Period & Parturition Induction (Room 3) – 10 min. each, 30 min Panel Discussion

Chair: S. Aslan, S. Metcalfe

1. Measurement of the concentrations of serum calcium, parathyroid hormone and venous pH in the whelping bitch.
(Hollinshead F, Matamata Veterinary Services, Matamata, New Zealand)
2. Peripartum hemodynamic status of bitches under distinct obstetric conditions.
(Lucio CF, Dept of Animal Reproduction, School of Veterinary Medicine and Animal Sciences, University of São Paulo, Br)
3. Scheduled Caesarean-sections in the bitch using aglepristone and taking into account the date of ovulation: A new approach.
(Levy X, Alfort National Veterinary College, Maisons-Alfort Cedex, F)
4. Clinical protocol for the induction of parturition in the bitch.
(Fieni F, Lab. Biotechnology and Pathology of Reproduction, National Veterinary School, Nantes, F)
5. Induction of parturition with aglepristone in various sized bitches belonging to different breeds.
(Fontbonne A, Alfort National Veterinary College, Maisons-Alfort Cedex, F)
6. Canine neonatal clinical, hemogasometric and radiographic assessment in eutocia, vaginal dystocia or cesarean section.
(Silva LCG, University of São Paulo. Faculty of Veterinary Medicine. Dept of Animal Reproduction, Sao Paulo, Brazil)

Friday 10h45 - 12h15

7 Pregnancy Biology II (Room 1) – 15 min. each

Chair: A. Fontbonne, A. Fieni

1. Ovarian blood flow of bitches during the luteal phase after Aglepristone administration
(Scotti L, Dept of Pathology, Diagnostic, and Veterinary Clinic, Univ. of Perugia, Perugia, I)
2. Comparison of two doses of the GnRH antagonist, acyline, for pregnancy termination in bitches
(Valiente C, Animal Physiology & Imaging Diagnosis Service, Faculty of Veterinary Medicine. National University of La Plata, Ar)
3. Local effects of cloprostenol and aglepristone on the corpora lutea in pregnant bitches
(Martin N, Institute of Physiological Chemistry, Veterinary Faculty, University of Leipzig, Leipzig, G)
4. Differences in progesterone, estradiol, FSH and LH patterns in healthy, and progesterone treated hypoluteoid pregnant bitches
(Tibold A, SzIU, Faculty of Veterinary Science, Dept of Obstetrics and Reproduction, Budapest, H)

5. Pregnancy monitoring in dogs by 3D and 4D ultrasonography (20 min.)
(Hildebrandt TB, Leibniz Institute for Zoo & Wildlife Research, Berlin, G)
6. General 10-Minute Discussion Session

8 Uterine Diseases (Room 2) – 12 min. each, 30 min Panel Discussion

Chair: M. Wanke, B. Hoffmann

1. Diagnosis of endometritis in the infertile bitch: a new approach.
(Fontaine E, Alfort National Veterinary College, Maisons-Alfort Cedex, F)
2. The Effect of the Stage of the Simulated Oestrous Cycle and the Presence of Uropathogenic Virulence Factor Genes on the Occurrence of *Escherichia coli* Induced Cystic Endometrial Hyperplasia/Pyometra Complex in the Bitch
(Wright P, Dept of Veterinary Science, University of Melbourne, Victoria, Australia)
3. Detection of expression of P fimbriae *in vitro* using a haemagglutination assay
(Wright P, Dept of Veterinary Science, University of Melbourne, Victoria, Australia)
4. The Effect of the Stage of the Simulated Oestrous Cycle and the Presence of Uropathogenic Virulence Factor Genes on the Adhesion of *Escherichia coli* to the Canine Uterine Epithelium *in vitro*
(Wright P, Dept of Veterinary Science, University of Melbourne, Victoria, Australia)
5. Effects of antiprogesterin on the medroxyprogesterone acetate-exposed uterine tissue of cats
(Chatdarong K, Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand)

9 Andrology and Spermatology II (Room 3) – 10 min. each, 20 min. Discussion Panel

Chair: B. Ström-Holst, C. Linde-Forsberg

1. Urethral sphincter mechanism incompetence in neutered male dogs: a retrospective study in 32 dogs.
(Levy X, Ecole Nationale Vétérinaire, Maisons-Alfort, F)
2. Canine Testicular Scintigraphy using 99mTechnetium-Per technetate.
(Kudalkar S, Dept of Animal Reproduction, Bombay Veterinary College, Mumbai, India)
3. Concentrations of prolactin, LH and testosterone as well as of TSH and thyroxin in male dogs of different breeds showing normospermia.
(Urhausen C, Unit for Reproductive Medicine of Clinics - Small Animal Clinic, University of Veterinary Medicine, Foundation, Hannover, G)
4. Comparison of the effect of the aromatase inhibitor, anastrozole, to the antiestrogen, tamoxifen citrate, on canine prostate and semen.
(Gonzalez G, Faculties of Veterinary Medicine of Rio Cuarto & La Plata, Ar)
5. Investigation of Prostatic Vascularisation using Contrast-enhanced Doppler Ultrasound in the Dog.
(Russo M, Dept of Veterinary Clinical Sciences-Obstetric Unit, Veterinary School, University of Naples Federico II, Napoli, I)
6. Effect of daily food supplementation with essential fat acid on canine seminal quality.
(Candia Nunes Da Cunha, I., Laboratório de Reprodução e Melhoramento Genético Animal, Universidade Estadual do Norte Fluminense, Br)
7. Effects of short term hyper- and hypoprolactinemia on hormones of the pituitary gonad and –thyroid axis and on semen quality in male beagle.
(Koivisto M, Veterinary Medicine, FMVA, São Paulo State University, Araçatuba - SP, Br)

Friday 13h45 - 15h45

10 Oocytes and IVM (Room 1) - 15 min. each, 30 min Discussion Panel

Chair: G.C. Luvoni, M. De los Reyes

1. Preliminary study in immature canine oocytes stained with brilliant cresyl blue (BCB) and obtained from bitches with low and high progesterone serum profiles
(Rodrigues BA, Laboratory of Embryology and Biotechnics of Reproduction. Faculty of Veterinary Medicine, Porto Alegre, RS, Br)
2. Ultrastructural evaluation of *in vitro* matured canine oocytes (compared to transcriptional reactivation during *in vivo* maturation of canine oocyte)

- (Viaris de Lesegno C, Ecole Nationale Vétérinaire d'Alfort, Maisons-Alfort, F)
3. In vitro compaction of germinal vesicle chromatin is beneficial to survival of vitrified cat oocytes
(Comizzoli P, Dept of Reproductive Sciences, Center for Species Survival, Smithsonian's National Zoological Park, Washington DC, USA)
 4. Nuclear status and cytoplasmic ultrastructure of canine oocyte in relation to in vitro spontaneous denudation
(Chebrou M, Alfort National Veterinary College, Maisons-Alfort, F)
 5. Ultrastructural characteristics of non-matured and in vitro matured oocytes collected from pre-pubertal and adult domestic cat ovaries
(Martins L, Faculty of Veterinary Medicine, University of State of Sao Paulo, Botucatu, Br)
 6. Estrogen and progesterone receptors gene expression in canine oocytes and cumulus cells throughout the estrous cycle
(Goncalves JSA, School of Veterinary Medicine and Animal Sciences, University of São Paulo, São Paulo, Br)

11 Semen preservation and ET (Room 2) – 10 min each or as noted

Chair: A. Rota, T. Rijsselaere

1. Canine chilled semen: influence of latex and air
(Lopes BV, Departamento de Reproducao Animal e Radiologia Veterinaria – Faculdade de Medicina Veterinaria e Zootecnia, - Botucatu, Brazil)
2. Influence of Ascorbic Acid and Glutathione Antioxidants on Canine Semen Cryopreservation
(Monteiro JC, Dept of Animal Reproduction, School of Veterinary Medicine and Animal Sciences, University of São Paulo, Br)
3. TRIS-lecithin extender supplemented with antioxidant catalase for chilling of canine semen
(Beccaglia M, University of Milan, Milan, I)
4. Effect of different concentrations of ascorbic acid on motility, membrane integrity and chromatin status of frozen-thawed canine spermatozoa within 6 h of storage at 37°C
(Eulenberger K, Centre for Artificial Insemination and Embryo Transfer, University of Veterinary Science, Vienna, A)
5. Correlation of canine seminal protein profile and semen freezability of dogs
(Martins MIM, Departamento de Clínicas Veterinárias, UEL, Londrina, PR, Br)
6. Efficacy of canine embryo recovery with or without ovariohysterectomy
(Luz M, Laboratory of Animal Reproduction, Dept of Veterinary Medicine, Federal University of Espírito Santo (UFES), Centro de Ciências Agrárias, Alto Universitário, Br)
7. Benefits of Computerized Reproductive Records (15 min, 5 min discussion)
(Roskin N, Olney-Sandy Spring Veterinary Hospital, Sandy Spring, Maryland, USA)

12 Exotic Species and Animal Models (Room 3) – 15 min each, or as noted

Chair: K. Jewgenow, C. Asa

1. Advances in reproductive science for wild carnivore conservation. (30 min.)
(Comizzoli P, Dept of Reproductive Sciences, Center for Species Survival, Smithsonian's National Zoological Park, Washington DC, USA)
2. Testis Size, Sperm Quality, and Seminal Fluid Parameters of Gray (*Canis lupus*) and Mexican Gray Wolves (*C. l. baileyi*). 15 min.
(Asa CS, Saint Louis Zoo, St. Louis, Missouri, USA)
3. Seasonal profiles of ovarian activity in Iberian lynx (*Lynx pardinus*) based on urinary hormone metabolite analyses. 15 min.
(Jewgenow K, Leibniz Institute for Zoo and Wildlife Research, Berlin, G)
4. Gonadal activity in male and female captive fossas (*Cryptoprocta ferox*) during the mating season.
(Dehnhard M, Leibniz Institute for Zoo and Wildlife Research, Berlin, G)
5. Non cat-like ovarian cycle in the Eurasian and the Iberian lynx – ultrasonographical and endocrinological analyses
(Göritz F, Leibniz Institute for Zoo and Wildlife Research, Berlin, G)
6. Development of an endoscopic transcervical non-invasive artificial insemination technique for large felids.
(Fontbonne A, Ecole Nationale Vétérinaire, Maisons-Alfort, Fr)

7. Biometry of the reproductive system and the ejaculation response of Maned Wolf (*Chrysocyon brachyurus*) to electroejaculation procedure
(Candia Nunes Da Cunha I., Laboratório de Reprodução e Melhoramento Genético Animal, Universidade Estadual do Norte Fluminense, Br)
8. Comparative Carnivore Reproduction – similarities and differences – Panel Discussion

15h45 - 16h15 Coffee break and Posters (16h00 – take down posters)

15h45 - 16h15 EVSSAR Annual Meeting (Room 1)

17h00 Klosterneuburg Tour and Banquet - Last bus leaves from campus main gate

19h00 Closing Banquet and Awards Ceremony at Klosterneuburg

POSTER PRESENTATIONS

P1 Evidence Based Medicine in Small Animal Reproduction: current available literature
Arlt S, Dicty V, Heuwieser W (Tierklinik für Fortpflanzung, Freie Universität Berlin, Berlin, G)

P2 Benefits of Computerized Reproductive Records
Roskin N (Olney-Sandy Spring Veterinary Hospital, Sandy Spring, Maryland, USA)

P3 Comparison of selected endocrine parameters during luteal phase and pregnancy in German Shepherd Dogs and Beagles
Beste N, S Nottorf, F Eschricht, HO Hoppen, S Dieleman, A Einspanier, AR Günzel-Appel. (Unit for Reproductive Medicine of Clinics - Small Animal Clinic, University of Veterinary Medicine, Hannover, G)

P4 Growth factors, cytokines, and prostaglandin synthesis in the uterus of pregnant bitches – the features of placental sites
Schäfer-Somi S, I Kücükaslan, R Agaoglu, N Gültiken, SS Ay, D Kaya, S Aslan (Centre for Artificial Insemination and Embryo Transfer, University of Veterinary Science, Vienna, A)

P5 Expression of MHC-I and -II in uterine tissues from early pregnant bitches
Schäfer-Somi S, HB Beceriklisoy, I Walter, S Sabitzer, D Klein, H Kanca, D Kaya, AR Agaoglu, H İzgür, S Aslan (Centre for Artificial Insemination and Embryo Transfer, University of Veterinary Science, Vienna, A)

P6 Experimental study of the post-partum involuting genital tract of the bitch. Part I: Clinical, bacteriological and cytological features
Orfanou DC, HN Ververidis, A Pourlis, IA Fragkou, AN Kokoli, CM Boscós, IA Taitzoglou, A Tzora, CM Nerou, L Athanasiou, GC Fthenakis (Veterinary Faculty, University of Thessaly, Karditsa, Gr)

P7 Pulmonary maturation of canine fetuses along gestation to parturition
Sipriani TM, Grandi F, Silva LCG, Veiga GAL, Maiorka PC, Vannucchi CI (Dept of Animal Reproduction - Faculty of Veterinary Medicine – University of São Paulo, Br)

P8 Fetal lung development and surfactant production in the dog
MA Kutzler, DH Volkmann (Oregon State University, College of Veterinary Medicine, Corvallis, OR U.S.A.)

P9 Acid-base evaluation of canine neonates born under distinct obstetric conditions
Lucio CF, Silva LCG, Rodrigues JA, Veiga GAL, Vannucchi CI (Dept of Animal Reproduction, School of Veterinary Medicine and Animal Sciences, University of São Paulo, Br)

- P10* An experimental model to study resistance index and systolic/diastolic ratio of uterine arteries in adverse canine pregnancy outcome
Blanco P, A Rube, JP Barrena, D Arias, Y Corrada, C Gobello (Imaging Diagnosis Service & Laboratory of Reproductive Physiology, Faculty of Veterinary Medicine. National University of La Plata, Ar)
- P11* A multi-centre clinical trial evaluating the efficacy and safety of Alfaxan® administered to bitches for induction of anaesthesia prior to Caesarean section
Metcalf SS, Hulands-Nave A, Bell M, Kidd C, Pasloske K, O'Hagan B (Veterinary Hospital, Applecross, WA, Au)
- P12* Interest of elective caesarean section on neonates' survival rate
Rosset E, Buff S (Université de Lyon, France, Centre d'Etude et de Recherche en Reproduction et Elevage des Carnivores, Ecole Nationale Vétérinaire de Lyon, F)
- P13* Deficient diestrous period in bitches with long-term implantation of GnRH agonist deslorelin
Sirivaidyapong S, T Luepongkukana, C Kaigate, T Tungkananuruk, T Swangchan-uthai, TE Trigg (Dept of Obstetrics Gynaecology and Reproduction Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Th)
- P14* Ultrasound as a mechanical method for male dog contraception
Leoci R, Aiudi G, De Sandro Salvati A, Silvestre F, Binetti F, Lacalandra GM (Dept of Animal Production, University of Bari, Bari, I)
- P15* Pyometra and cystic endometrial hyperplasia in bitches
Vazir B, Kabir F, Sasani F, Vazir N (Dept of basic science, Science & Research Branch of Islamic Azad University, Poonak, Hesarak, Azad University Sq., Tehran, Ir)
- P16* Management of endometritis/pyometra in dogs for preserving breeding capacity
Szász F, B Vörös (ANI-REP Small Animal Reproduction Clinic, Budapest, Hu)
- P17* Lactoferrin in the dog: a pyometra story
Bartoskova A, Adlerova L, Kudlackova H, Leva L, Vitasek R and Faldyna M (University of Veterinary and Pharmaceutical Sciences Brno, Faculty of Veterinary Medicine, Brno, Czech Republic)
- P18* Gene expression of prostaglandins production enzymes in pyometra and in normal diestrous and anestrus endometria.
Silva E, S Leitão, G Ferreira-Dias, L Lopes da Costa, L Mateus (CIISA, Faculty Veterinary Medicine, Technical University of Lisbon, P)
- P19* Reproductive tumors in two ovariohysterectomized dogs
Sontas BH, Ekici H, Turna O, Ozyogurtcu H, Arun S (Dept of Obstetrics and Gynecology, Faculty of Veterinary Medicine, Istanbul University, Istanbul, Tr)
- P20* First report of vaginal prolapse in a bitch treated with estrogen
Sarrafzadeh-Rezaei F, S Saifzadeh, R Mazaheri, M Behfar (Dept of Clinical Sciences, Faculty of Veterinary Medicine, Urmia University, Urmia, Ir)
- P21* Intraluminal vaginal cysts causing vaginal discharge in three bitches
Bunck C, Günzel-Apel AR (Kleintierklinik Hannover-Wülfel, Hannover, G)
- P22* Diagnosis and surgical treatment with CO2 laser of a vaginal septum in a bitch.
Gilson C, C Carozzo, E Viguiet, S Buff (Université de Lyon, CERREC (Centre d'Etude et de Recherche en Reproduction et Elevage des Carnivores, Lyon, F)

P23 Chemotherapy- treated highly infiltrative perineal transmissible venereal tumour in the bitch. Two clinical cases.

Ververidis HN , D. Orfanou, M Mylonakis, AN Kokoli, A Michael, M Kritsepi, GC Fthenakis, CM Boscos (Veterinary Faculty, Aristotle University of Thessaloniki, Thessaloniki, Gr)

P24 Germ cell depletion in an azoospermic Collie

Tamminen T, Switonski M, Nurmikari S, Flyckt A, Sukura A, Andersson M (University of Helsinki, Faculty of Veterinary Medicine, Dept of Production Animals, Fi)

P25 Hormonal evaluation and immunohistochemical analysis in Bitch (*Canis familiaris*) at different stages of the estrous cycle and pyometra

Oliveira PC, Lopes MD, Balieiro CC, Moura VMB, Balieiro JCC (Faculdade de Medicina Veterinária – Unifeob, São João da Boa Vista, SP, Br)

P26 Unilateral mucometra in a previously spayed cat. An unusual case of “uterine horn remnant syndrome”

Mantziaras GI , MA Linou, HN Mouzakitiss, HN Ververidis (Companion Animal Clinic, Veterinary Faculty, Aristotle University of Thessaloniki, Thessaloniki, Gr)

P27 Genital side effects study of using megestrol acetate to prevention of oestrus cycle in cats along three years

Kabir F, Vazir B, Sasani F, Vazir N (Radiology Dept, Science & Research branch of Islamic Azad University, Poonak, Hesarak, Azad University Sq., Tehran, Ir)

P28 Ovariohysterectomy in cats: Effects of electroacupuncture and morphine on cardiorespiratory parameters and anesthetic consumption

Freitas, PMC, Pignaton, W, Simões JR, Luz MR, Salgado AEP, Melo MS (Lab. of Experimental Surgery, Dept. of Veterinary Medicine, Federal University of Espírito Santo (UFES), Centro de Ciências Agrárias, Alto UniversitárioCentro – Alegre, Br)

P29 Widespread metastasis in a cat with mammary adenocarcinoma

Sontas B (Dept of Obstetrics and Gynecology, Faculty of Veterinary Medicine, Istanbul University, Istanbul, Tr)

P30 Expression of prolactin in feline mammary adenocarcinomas

MA Kutzler, DK Trummel (Oregon State University, College of Veterinary Medicine, Corvallis, OR U.S.A.

P31 Necessity of the ovary for the maintenance of pregnancy in cats

Tsutsui T, Suzuki Y, Toyonaga M, Oba H, Mizutani T, Hori T (Dept of Reproduction, Nippon Veterinary and Life Science University, Tokyo, J)

P32 Prolonged duration of fertility of dog ova.

Tsutsui T, F Takahashi, T Hori, E Kawakami, PW Concannon (Dept of Reproduction, Nippon Veterinary and Life Science University, Tokyo, J, and Biomedical Sciences, Cornell University, Ithaca, NY, USA)

P33 Plasma hormone levels and semen qualities in male cats during the breeding and non-breeding seasons

Tsutsui T, Onodera F, Oba H, Mizutani T, Hori T (Dept of Reproduction, Nippon Veterinary and Life Science University, Tokyo, J)

P34 Relationship between plasma LH surge and ovulation induction and conception rates in cats mated once or three times on day 1 or 5 of estrus

Tsutsui T, Higuchi C, Soeda M, Oba H, Mizutani T, Hori T (Dept of Reproduction, Nippon Veterinary and Life Science University, Tokyo, J)

- P35* Detection of lipid peroxidation reaction in frozen-thawed epididymal cat spermatozoa using BODIPY581/591 C11
Thuwanut P, Axné E, Johannisson A, Chatdarong K (Dept of Clinical Sciences, Faculty of Veterinary Medicine and Animal Science, Swedish University of Agricultural Sciences (SLU), Uppsala, Se)
- P36* Determination of progesterone (P4) in canine blood serum for detection of ovulation using an enzyme-linked fluorescence assay (ELFA) in comparison to a validated radio-immuno assay (RIA)
Otzdorff C, Kienzle B, Brugger N, Hoffmann B, Braun J (Clinic for Surgery and Reproduction in Small Animals, Veterinary Faculty, Munich, G)
- P37* Detection of serum relaxin as a diagnostic tool for early pregnancy diagnosis in bitches
Deepthi L, T Sreekumaran, KN Aravinda Ghosh (Dept of Animal Reproduction, Gynaecology and Obstetrics, College of Veterinary and Animal Sciences, Mannuthy, Thrissur, Kerala, India)
- P38* Repeatability test for quantification of fecal progestins in boxer bitches
Silva MRC, Almeida AH, Barnabe VH (Dept. Animal Reproduction, Faculty of Veterinary Medicine, Univ. San Paulo VRA MMVZ-USP, SP, Brazil)
- P39* The Evaluation of classic methods for brucella canis isolation and identification
Tudor LA, Togoe I (Faculty of Veterinary Medicine „Spiru Haret”. Bucharest, Ro)
- P40* Validation of preputial cytology in the dog
Grellet A, V Segalini, E Fontaine, S Chastant, X Lévy, A Fontbonne (École Nationale Vétérinaire, Maisons-Alfort, F)
- P41* Preputial epithelial cytology as a diagnostic test for adrenocortical disease in castrated male ferrets
Protain HJ, Kutzler MA, Valentine BA (Oregon State University, College of Veterinary Medicine, Corvallis, OR, U.S.A.)
- P42* Verification of the plasma relaxin levels as a potential prognostic marker in bitches with mammary gland tumours
Schweizer S, O Lamp, A Reischauer, J Lamp, S Blaschzik, V Grevel, A Einspanier (Klinik für Kleintiere der Universität Leipzig, Leipzig, G)
- P43* Canine breast cancer and microarray: what we learn with them
Crusco SE, MP Milazzotto, F Siqueira, A Lima de Andrade, MC Rui Luvizotto, JF Garcia, CI Vannucchi, JA Visintin (Faculdade de Medicina Veterinária e Zootecnia da Universidade de São Paulo, São Paulo, Br)
- P44* Analysis of quantity and quality of bitch oocytes recovered by using various systems from animals of different estrus cycle stage
Bukowska D, B Kempisty, P Antosik, M Lianeri, JM Jaśkowski (Dept of Agricultural Veterinary, University of Agriculture, Poznań, Pl)
- P45* IGF growth factor effects on maturation in vitro of canine oocytes (Canis familiaris): Evaluation of both nuclear and cytoplasmic maturation.
Machado MA, Toniollo GH, Souza K (Universidade Estadual de Londrina, Centro de Ciências Agrárias, Departamento de Clínicas Veterinárias, Campus Universitário, Paraná, Br)
- P46* The association between the number and quality of bitch COCs and selected donor factors
Bukowska D, B Kempisty, P Antosik, A Stelmaszak, M Lianeri, JM. Jaśkowski (Dept of Agricultural Veterinary, Agricultural University, 60-625 Poznań, Pl)
- P47* Cold storage of canine ovaries did not affect apoptosis in cumulus cells or oocytes
Lopes G, Sousa M, Rocha A (Dept of Veterinary Clinics, Institute of Biomedical Sciences Abel Salazar (ICBAS), University of Porto, Campus Agrário de Vairão, Vairão, P)

- P48* The influence of oxygen tension on cumulus cells viability of canine COCs matured in high-glucose medium
Silva AEF, P Rodriguez, LF Cavalcante, F Ongaratto, BA Rodrigues, JL Rodrigues (Laboratory of Embryology and Biotechnics of Reproduction, Faculty of Veterinary Medicine, Br)
- P49* Cumulus cells viability and the relationship with nuclear morphology in oocytes from pre-pubertal and adult bitches at 0, 24, 48 and 72 hours after in vitro maturation
Rodriguez P, N Arruda, LF Cavalcante, AEF Silva, BA Rodrigues, JL Rodrigues (Laboratory of Embryology and Biotechnics of Reproduction, Faculty of Veterinary Medicine, Br).
- P50* Effects of Naloxone on in vitro maturation of oocytes recovered from anestrous bitches
Iorga AI, Valentini L, De Santis T, Ambruosi B, Albrizio M, Guaricci AC, Caira M, Dell'Aquila ME (Dept of Animal Production, University of Bari, I)
- P51* Ultrastructural study of the canine zona pellucida surface during in vitro maturation.
De los Reyes M, J Hetz, J Palomino. (Animal Reproduction Laboratory, Faculty of Veterinary Sciences, University of Chile, Santiago, Chile)
- P52* Folliculogenesis and morphometry of oocyte and follicle growth in the feline ovary
Reynaud K, C Gicquel, S Thoumire, M Chebrou, C Ficheux, M Bestandji, S Chastant-Maillard (UMR 1198 INRA / ENVA / CNRSFRE Biologie du Développement et Reproduction, Alfort National Veterinary College, Maisons-Alfort, F)
- P53* The effects of various protein supplementations on in vitro maturation of feline oocytes
Guris AE, Birler S (Dept of Reproduction and Artificial Insemination, Faculty of Veterinary Medicine, Istanbul University, Istanbul, Tr)
- P54* Functional role of feline zona pellucida protein B2 trefoil domain: a sperm receptor or structural component of the domestic cat zona pellucida?
Braun BC, Ringleb J, Waurich R, Viertel D and Jewgenow K (Leibniz-Institute for Zoo and Wildlife Research, Berlin, G)
- P55* Testis and epididymidis of asiatic black bear (*ursus thibetanus*) express MU-opioid receptor
Aiudi G, Laricchiuta P, Bucci FA, Guaricci AC, Matarrese R, Albrizio M (Dept. of Animal Production, Faculty of Veterinary Medicine, University of Bari, Valenzano, I)
- P56* Precision and accuracy of the Accuread® spectrophotometer to determine sperm concentration in the dog
Fontaine E, Grellet A, Levy X, Savic M, Fontbonne A (Ecole Nationale Vétérinaire, Maisons-Alfort, F)
- P57* Morphology analysis of dog sperm
Prinosilova P, Z Veznik, A Zajicova, D Svecova (Veterinary Research Institute, Dept of Genetics and Reproduction, Brno, Czech Republic)
- P58* The season effects on seminal characteristics in dogs in a tropical zone
Martins MIM, Souza FF, Chirinéa VH, Tebet JM, Lopes MD (Dept of Veterinary Clinics, UEL, Londrina, PR, Br)
- P59* Osteopontin in seminal plasma and sperm membrane of dogs
Souza FF, Chirinéa VH, Martins MIM, and Lopes MD (UNIFRAN - Universidade de Franca, Franca, SP, Br)
- P60* Effects of the chloroformic extracts from washed and non-washed papaya seeds (*Carica papaya*) on the sperm concentration of dogs.
Ortega-Pacheco A, CH Sauri-Arceo, E Gutiérrez-Blanco, M Jiménez-Coello, KY Acosta-Viana, E Guzmán-Marín, MS Pérez-Gutiérrez (Universidad Autónoma de Yucatán, Facultad de Medicina Veterinaria y Zootecnia, Depto. Medicina Interna y Cirugía. Mérida Yucatán, Mx)

- P61* Symptomatic Benign Prostatic Hyperplasia in Dogs: a Retrospective Study (2001 – 2007).
Cunto M, D Zambelli, R Raccagni, M Regazzini (Veterinary Clinical Dept, Obstetric-Gynaecological Section, University of Bologna, I)
- P62* The effect of benign prostate hyperplasia on sperm quality parameters in dogs
Horvath G, L Baisgard (SzIU, Faculty of Veterinary Science, Dept of Obstetrics and Reproduction, Budapest Hu)
- P63* Long time follow-up of ultrasound-guided per-operative drainage of prostatic cavities: about 15 cases.
Gilson C, F Collard, C Carozzo, E Viguier, S Buff (Université de Lyon, France, Centre d'Etude et de Recherche en Reproduction et Elevage des Carnivores, Ecole Nationale Vétérinaire de Lyon, F)
- P64* Management of priapism in a male dog
Gilson C, T Cachon, C Carozzo, S Buff (Université de Lyon, France, ICERREC (Centre d'Etude et de Recherche en Reproduction et Elevage des Carnivores, Lyon, F)
- P65* The association of glutamine with Low Density Lipoprotein (LDL) in cooling canine sperm: preliminary results
Bencharif D, Tainturier D, Vialtelle C, Amirat-Briand L, Schmitt E, Desherces S, Larrat M, Langlois ML, Barrière JP (Dept of Biotechnologies and Reproductive Pathology, Nantes Veterinary College, Nantes, F)
- P66* Effects of the inclusion of Equex STM into Tris-based extender on the motility of dog spermatozoa incubated at 5°C
Nizański W, M Klimowicz, A Partyka, M Savić, A Dubiel (Dept and Clinic of Reproduction, Faculty of Veterinary Medicine, University of Environmental and Life Sciences, Wrocław, Pl)
- P67* Effect of two egg yolk-free extenders on motility and membrane integrity of cryopreserved dog semen
Igna V, C Tulcan, C Mircu (Faculty of Veterinary Medicine Timisoara, Ro)
- P68* Fertilizing capacity of frozen epididymal sperm collected from dog
Martins MIM, Padilha LC, Souza FF, Savi PA, Lopes MD (Departamento de Clínicas Veterinárias, UEL, Londrina, PR, Br)
- P69* Amide on canine semen cryopreservation
Souza FF, Martins MIM, Chirinéa VH, Lamego CR, and Lopes MD (UNIFRAN - Universidade de Franca, Franca, SP, Br)
- P70* Survival of frozen-thawed cat spermatozoa pre-cooled in the epididymides
Chatdarong K, Suksamai P, Patanatiradaj S, Sangwornrachasup A (Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Th)
- P71* Negative effects of seminal plasma on frozen-thawed epididymal cat spermatozoa
Thuwanut P, Chatdarong K (Dept of Clinical Sciences, Faculty of Veterinary Medicine and Animal Science, Swedish University of Agricultural Sciences (SLU), Uppsala, Se)
- P72* Impact of 24 hours cooling prior to cryopreservation on the survival of domestic cat (*Felis catus*) epididymal semen
Martins JLA, Villaverde ASB, Lima AFM, Steagall PVM, Ferreira JCP, Taconeli CA, Lopes MD (Departamento de Reprodução Animal e Radiologia Veterinária – Faculdade de Medicina Veterinária e Zootecnia, UNESP, Botucatu, SP, Br)
- P73* Effect of catalase and superoxide dismutase on motility, viability and acrosomal integrity of frozen-thawed cat spermatozoa
Thiangtum K, A Pinyopummintr, T Hori, E Kawakami, S Tsutsui (Center for Agricultural Biotechnology, Kasetsart University, Kamphaeng Saen, Th)

P74 Klinefelter syndrome (XXY syndrome) associated with uterus masculinus, a mixed testicular tumor and unilateral cryptorchidism in a dog
Gogny A, Fieni F (Laboratory of Biotechnology and Pathology of Reproduction, National Veterinary School, Nantes, F)

P75 Sry-negative XX sex reversal in a Pug
Rota A, A Starvaggi Cucuzza, S Jussich, L DeLorenzi, P Parma (Dept of Animal Pathology, University of Turin, Grugliasco, I)

P76 Usage of Dopamin agonist (Cabergoline) for estrus induction in bitches
Alireza Zahedi Abdi (Bargh St,Urumieh,West Azarbayjan, Ir).

P77 Estrus induction in bitches by using HMG & HCG combination
Alireza Zahedi Abdi (Bargh St,Urumieh,West Azarbayjan, Ir).