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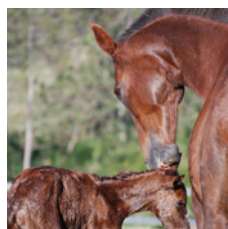
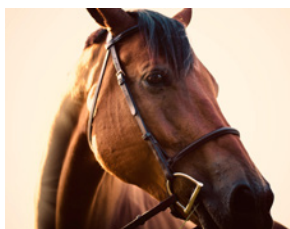
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*Scientific
programme*



SCIENTIFIC PROGRAMME

SUNDAY, 9 JULY 2023

14:00-18:00	Registration (Foyer Maestra)
14:00-18:00	Set up of posters (Foyer Maestra)
19:00-21:00	Welcome Reception (Bardana Grill - sponsored by West Coast Equine Reproduction Symposium)

MONDAY, 10 JULY 2023

06:30-08:30	Breakfast (Collection Building)
07:00-08:30	Registration and Set up of posters (Foyer Maestra)
08:30-08:45	Welcome – Christine Aurich and Claudia Fernandes (Sonata room)
08:45-09:00	Honorary Chair and Lifetime Achievement Awardees – Introduced by Christine Aurich
09:00-10:15	Assisted Reproductive Techniques I - Sandra Wilsher, Chair
09:00-09:15	Gene expression of equine oocytes and cumulus cells, a window to the unknown. Alejandro de la Fuente*, E Santos, S Meyers, P Dini
09:15-09:30	A combination of GnRH-hCG to aged mares improves embryo recovery. Marcio Teoro do Carmo*, Sidnei Nunes, C de Paula Freitas-Dell'Aqua, M Alvarenga, J Dell'Aqua Jr, I Canisso
09:30-09:45	Cervix-deep rectal temperature differential on the day of ovulation is correlated with embryo recovery results. Javier Funes*, A Ismer, M Hoogewijs, S Wilsher
09:45-10:00	A study on methods for preimplantation genetic diagnosis on equine embryos. Luisa Ramirez-Agamez*, C Castaneda, R Grahn, C Hernandez-Aviles, T Raudsepp, C Love
10:00-10:15	Successful use of sex-sorted frozen semen in a commercial OPU-ICSI program. Kaatje D Ducheyne*, P Humphreys, S Colleoni, S Staempfli, P Broadhurst, T Matson
10:15-11:15	Break and Posters: Posters (#1-21 – presenting authors present, sponsored by CEVA)
11:15-12:30	Stallion I – Charles Love, Chair
11:15-11:30	Genomic studies of Thoroughbred stallion 'idiopathic' subfertility. C Castaneda, C Hernandez-Aviles, C Love, D Varner, R Juras, B Davis, Terje Raudsepp*
11:30-11:45	Altered expression of necroptotic, angiogenic and spermatogenic proteins in degenerate testes from aged stallions. E Woodward, K Schlingmann, Regina Turner*

11:45-12:00	Age-related DNA damage in stallions: an ongoing investigation. Roisin Griffin*, N Harrison, A Swegen, K Miller, G Deluiliis, D Rebourcet, RJ Aitken, Z Gibb
12:00-12:15	The acrosome proteins arylsulfatase F and zona pellucida-binding protein 2 are candidate markers associated with Impaired Acrosomal Exocytosis in sperm from subfertile Thoroughbred stallions. Camilo Hernandez-Aviles*, S Weintraub, L Ramirez-Agamez, D Varner, C Love
12:15-12:30	Successful non-surgical treatment of priapism in a breeding stallion. Anne Josson*, S McDonnell
12:30-14:00	Lunch (Restaurant Bromélia)
14:00-15:30	Non-pregnant Mare I - Patrick McCue, Chair
14:00-14:15	Metagenomic characterization of the equine endometrial microbiome during anestrus. Babiche Heil*, M van Heule, S Thompson, T Kearns, K Beckers, E Oberhaus, G King, P Dini, J Sones
14:15-14:30	Association of the uterine microbiome to mare fertility. Natali Krekeler*, A Legione, W Perriam, S Finan, B Heil, C Burden, A McKinnon, C Marth
14:30-14:45	Influence of sperm viability on uterine leukocyte chemotaxis. Sabrina Cousseau*, N Cazales, S Fiala-Rechsteiner, R Mattos
14:45-15:00	Impact of seminal plasma on the equine endometrial transcriptome. Mats Troedsson*, H El-Sheikh-Ali, K Scoggin, E Humphrey, L Troutt, C Fedorka
15:00-15:15	Uterine inflammatory response, embryo recovery and morphometry in interspecies breeding. G Podico, Kianna Spencer*, S Loux, I Canisso
15:15-15:30	Post-breeding intrauterine infusion of dehydrated amnion product produces similar pregnancy rates as antibiotics. S Bailey, M Schnobrich, Karen Wolfsdorf*
15:30-16:30	Break and Posters (#22-42 – presenting authors present, sponsored by Minitube)
16:30-17:30	Pregnant Mare I - Mandi de Mestre, Chair
16:30-16:45	Embryo-maternal interactions revealed by phosphoproteomic analysis of endometrial organoids exposed to embryo secretome. S Waugh, E Lawson, Z Gibb, D Skerrett-Byrne, Aleona Swegen*
16:45-17:00	Early pregnancy associated changes in systemic lipid profiles of mares revealed by high resolution mass spectrometry. Tharangani Perera*, Z Gibb, E Bromfield, T Rupasinghe, D Skerrett-Byrne, A Swegen



SCIENTIFIC PROGRAMME

17:00-17:15	Embryo-maternal interaction is associated with the location of the embryo during the mobility phase in mares. Thadeu de Castro*, M Van Heule, S Meyers, A Conley, P Dini
17:15-17:30	Effect of mid-diestrus oxytocin treatment on early pregnancy in the mare. Justin McNaughten*, R Wallace
19:30-22:30	Dinner (Restaurant Aranda)

TUESDAY, 11 JULY 2023

06:30-07:30	5k Run (Collection Hiking Trail)
06:30-08:30	Breakfast (Collection Building)
08:30-10:00	Parturition and Foal I - Claudia Fernandes, Chair
08:30-8:45	Mammary gland secretions conductivity alone or coupled with pH as a novel and accurate predictor of foaling and its associations with electrolytes. Humberto Borges Magalhaes*, I Colombo, K Spencer, G Podico, I Canisso
08:45-9:00	Doxycycline hyclate to late-term pregnant mares: pharmacokinetics, diffusion to the fetoplacental unit and safety to the resulting foal. Igor Canisso*, F D'el Rey Dantas, L Feijo, C Nogueira, B Curcio
09:00-9:15	Early-life limb deformities in Thoroughbred foals and investigation of their associations with mare- and pregnancy-related factors. Rebecca R Mouncey*, A De Mestre, J Arango-Sabogal, K Verheyen
09:15-9:30	Minimal vertical transmission of Equid alphaherpesvirus 1 (EHV-1) in normal developing foals during a naturally occurring abortion outbreak. A Khan, M Blanco, J Janes, R Ruby, I Popa, R Vicioso, Lutz Goehring*
09:30-9:45	Obesity during pregnancy in the horse: effect on term placental structure and gene expression, as well as colostrum and milk fatty acid concentration. Pascale Chavatte-Palmer*, M Robles, D Rousseau-Ralliard, C Dubois, E Nouveau, M Dahirel, L Wimel, A Couturier-Tarrade
09:45-10:00	Colostrum transfer of tumor necrosis factor-α to neonates is not associated with their health status. Anna Vaske*, C Gautier, C Aurich
10:00-11:00	Break and Posters (Posters #43-63 – presenting authors present, sponsored by Botupharma)
11:00-12:30	Stallion II - Paul Loomis, Chair

11:00-11:15	Pyruvate enhances stallion sperm function, increasing glycolysis efficiency through NAD⁺. F Martin Cano, G Gaitskell-Phillips, E da Silva-Álvarez, C Ortega-Ferrusola, C Gil, Fernando Peña*
11:15-11:30	Identification of phospholipids associated with semen cooling ability of Mangalarga Marchador stallions. C Ramires Neto, C de Paula Freitas-Dell'Aqua, F Souza, K Belaz, M Eberlin, Y Sancler da Silva, J Dell'Aqua Jr, I Canisso, M Alvarenga*
11:30-11:45	Bacterial development in semen stored at room temperature in INRA96®. S Pétry, C Sévin, Isabelle Barrier Battut*
11:45-12:00	An alternative method to circumvent poor semen cooling and fertility of stallions. Lorenzo Segabinazzi*, M Carmo, M Alvarenga, F Papa, I Canisso
12:00-12:15	A novel method for isolation of functional stallion spermatozoa for artificial insemination. Ashlee Medica*, Z Gibb, RJ Aitken
12:15-12:30	Colloid centrifugation as an alternative to antibiotics in stallion semen preparation. Pongpreecha Malaluang*, L Wagner, J Spergser, C Aurich, J Morrell
12:30-14:00	Lunch (Restaurant Bromélia)
14:00-15:15	Assisted Reproductive Techniques II - Kathrin Hinrichs, Chair
14:00-14:15	Equine ICSI, the ultimate blind date: is cooled semen increasing embryo production? Fernando Campos-Chillon*, J Altermatt
14:15-14:30	Prolonged maturation reduces cleavage and blastocyst rates after ICSI. Christian Carrera*, C González, R Díaz, A Gutierrez, K Hinrichs
14:30-14:45	The relationship between grade and metabolism for in vivo and ICSI derived embryo. Lee Morris*, L Maclellan, M Bahrami, Z Gibb
14:45-15:00	Centrosome fragmentation and malposition is common in the first cell division of equine ICSI embryos. Verônica Flores da Cunha Scheeren*, A Larreategui-Aparicio, M Beitsma, C Deelen, F Papa, A Claes, T Stout, M de Ruijter-Villani
15:00-15:15	In vitro-produced equine blastocysts exhibit dispersed ICM cell allocation. M Umair, A Claes, V da Cunha Scheeren, M Beitsma, S Colleoni, C Galli, G Lazzari, M de Ruijter-Villani, Tom Stout*
15:15-16:15	Break and Posters (#64-85 – presenting authors present, sponsored by Invitro Equinos)
16:15-17:30	Non-pregnant Mare II – Lee Morris, Chair
16:15-16:30	Identification of endometrial biofilm-specific proteins for in vivo diagnostics. Kirsten Scoggin*, B Borlee, C Fedorka, M Troedsson



SCIENTIFIC PROGRAMME

16:30-16:45	Concentrations of penicillin and gentamicin following intrauterine administration of two compounded formulations. Theresa Beachler*, M Papich, L Wulf, D Kundu, J Mochel, K Withowski, C Bailey
16:45-17:00	Isolation and characterization of bacteriophages specific to selected equine genital pathogens. Martin Köhne*, S Kittler, R Hüscher, M Plötz, H Sieme
17:00-17:15	Antimicrobial activity of alternative therapies for microorganisms causing chronic endometritis in mares. Mariana Mazzuchini*, L Segabinazzi, I Canisso
17:15-17:30	Intrauterine vitamin D3 improves inflammation resolution in mares susceptible to persistent breeding-induced endometritis. Shavahn Loux*, K Scoggin, A Loynachan, B Menarim, M May, N Muderspach, C Fedorka, M Troedsson, T Kalbfleisch
19:30-20:30	Dinner (Restaurant Aranda)
20:30-22:00	Workshop 1 - Carolina Herrera, Chair In vitro production of equine embryos (Sonata room - sponsored by UniEduK Group)
20:30-22:00	Workshop 2 - James Crabtree, Chair Obstetrics in the mare (Cantata room - sponsored by UniEduk Group)

WEDNESDAY, 12 JULY 2023

06:30-08:30	Breakfast (Collection Building)
08:30-10:00	Non-pregnant Mare III - Lee Morris, Chair
08:30-08:45	Decitabine effect on COL1, COL3, MMP2 and MMP9 in TGF-β1 treated mare endometrial fibroblasts. Joana Alpoim-Moreira*, A Szostek-Mioduchowska, M Słyszewska, M Słowińska, M Rebordão, D Skarzynski, G Ferreira-Dias
08:45-09:00	Endometrial fibrosis in mares: Picrosirius Red and Collagen-2 and 3. Luiz Augusto M Centeno*, H Bastos, V Bueno, J Trentin, G Larentis, M Fiorenza, W Panziera, G Winter, S Fiala-Rechsteiner, R Mattos, M Rubin
09:00-09:15	Are degenerative changes in a single endometrial biopsy representative for the endometrial state? Natacha Muderspach*, J Agerholm, M Troedsson, G Ferreira-Dias, M Christoffersen
09:15-09:30	Immunohistochemical expression of myeloperoxidase in the equine endometrium suffering from endometriosis. Sonia Parrilla Hernández*, F Reigner, É Feyereisen, C Munaut, T Franck, S Deleuze

09:30-09:45	Mesenchymal stromal cell conditioned media is immunomodulatory in the equine endometrium. Megan Bernard*, M Byron, A Rajesh, G Van de Walle, B Wagner, M Diel de Amorim
09:45-10:00	Does the uterine inflammatory response differ between mares and donkey jennies inseminated with frozen donkey semen? L Lopes Costa, Yame Fabres Robaina Sancler-Silva*, M Vilela Albino, C Silveira Fontes, C Silva Teixeira, M Souza Freitas, L Vitarelli Kladt, E Schultz
10:00-11:00	Break and Posters (#86-105 – presenting authors present, sponsored by BET Laboratories)
11:00-11:45	Assisted Reproductive Techniques III - Harald Sieme, Chair
11:00-11:15	Simultaneous genome-wide haplotyping and copy number detection enabling PGT-A and PGT-M in equine in vitro produced embryos. Tine De Coster*, Y Zhao, O Tsuiko, S Demyda Peyrás, A Van Soom, J Vermeesch, K Smits
11:15-11:30	Selection of frozen-thawed semen for standard in vitro fertilization. Matheus R Felix*, K Hinrichs
11:30-11:45	Estradiol treatment prior to progesterone favors embryo survival in anestrous recipient mares. Pedro S Oquendo*, E Silva, F Oquendo, J Cuervo-Arango, T Stout, M de Ruijter-Villani, M Beletti
11:45-12:00	Embryo recovery on consecutive days from Day 6.5 to obtain small embryos for vitrification: Is it effective? Guilherme R Couto*, D Vigano, G dos Santos, WR (Twink) Allen, S Wilsher
12:00-12:15	The effect of sex-sorting on stallion semen quality. Juan C Samper, Charles C Love*, Camilo Hernandez-Aviles, Luisa F Ramirez-Agamez, Cristina Cabrera, Pablo Ross
12:15-12:30	Fertility of conventional and of sex-sorted stallion sperm using SexedULTRA™ Genesis III technology. Juan C Samper*, C Hernandez, L Ramirez-Agamez, S Spachek, P Ross, C Cabrera, C Love
12:30-14:00	Lunch (Restaurant Bromélia)
14:00 - 17:30	Tour and Official Photo (sponsored by European Practitioners Symposium on Equine Reproduction -ESER)
18:30 - 22:00	Dinner

THURSDAY, 13 JULY 2023

06:30-09:00	Breakfast (Collection Building)
09:00-10:00	Parturition and Foal II - Beatriz Bringuel, Chair



SCIENTIFIC PROGRAMME

09:00-09:15	Evaluation of chorionic girdle organoids for ultrastructure and equine Chorionic Gonadotropin production. Riley E Thompson*, M Meyers, C Magee, A de Mestre, D Antczak, F Hollinshead
09:15-09:30	Molecular mechanisms underlying equine endometrial cup regression: a transcriptomic analysis: Viviane CL Gomes*, K Crissman, E Oberhaus, J Sones
09:30-09:45	Utilizing an immunostimulant (MCWF; Settle) to hasten the degradation of endometrial cups. Carleigh Fedorka*, M Schnobrich, N Muderspach, K Scoggin, M Dedman, K Weigle, M May, H Twist, C Linse, R Douglas, M Troedsson
09:45-10:00	Possible involvement of somatotrophic hormones in the postpartum regulation of ovarian activity in mares. Maria Melchert*, R Ertl, U Reichart, I Walter, C Gautier, C Aurich
10:00-11:00	Break and Posters (#107-126 – presenting authors present, sponsored by Guabi)
11:00-12:30	Pregnant Mare II - Karen Wolfsdorf, Chair
11:00-11:15	Microdeletions on chromosomes 2 and 20 are associated with equine early pregnancy loss. C Shilton, S Townsend, A Kahler, C Wathes, C Castaneda, S Ghosh, B Davis, T Raudsepp, Amanda de Mestre*
11:15-11:30	An in vitro model for equine placental research. Margo H Verstraete*, M van Heule, S Martin-Pelaez, A Ortega, S Loux, E Santos-Vallanueva1, C Rogers, A Conley, P Daels, P Dini
11:30-11:45	Epigenetic regulation of collagen in mare placenta: putative relationship with maternal age. M Vasconcelos, Y Wong, J Alpoim-Moreira, M Rebordão, M Fradinho, A Costa, M Bliebernicht, F Castro, E Silva, Graça Ferreira-Dias*
11:45-12:00	Fetal ultrasonography of the distal limb: a new tool to assess equine fetal age and bone development. Catherine D Renaudin*, F Wensley, J Morgan, J Cassano, M Spriet
12:00-12:15	Endometrial immune cells at the time of implantation in mares – preliminary results. Joanna Jaworska*1, D Tobolski, A Kahler, I Wocławek-Potocka, A De Mestre
12:15-12:30	The placental microbiome during nocardioform placentitis. Machteld van Heule*, H El-Sheikh Ali, C Schlesener, K Scoggin, B Ball, P Daels, B Weimer, P Dini
12:30-14:00	Lunch (Restaurant Bromélia)
14:00-15:30	Stallion III - Zamira Gibb, Chair
14:00-14:15	Transcriptomic profiles reveal differences in gene expression between the testes and epididymis in stallions. Karen Daiana Moran*, M Bilbao, J Bartolomé, M Ferrer

14:15-14:30	Effect of anti-GnRH vaccine on testicular tissues in stallion. Vincent Mevel*, C Berthevas, L Briand-Amirat, M Dordas-Perpinya, F Nguyen, J-F Bruyas
14:30-14:45	Endocrine changes induced by GnRH immunization and re-stimulation of testicular function with a GnRH agonist in stallions. Camille Gautier*, M Kaps, M Melchert, R Ertl, J Aurich, C Aurich
14:45-15:00	Evaluation of equine semen frozen in extenders free of animal proteins. Mariana Caldevilla, A Ferrante, C Tossici, J Otero, M Gambarotta, C Arraztoa, M Miragaya, D Neild*
15:00-15:15	The effect of residual pellet volume on cryoprotectant concentration and post-thaw motility of stallion sperm. Paul R Loomis*, K Klonohatz, D Scofield
15:15-15:30	Quality of the frozen equine semen stored in different shipping containers for 14 days. Amr El-Shalofy*, C Gautier, Y Khan, C Aurich
15:30-16:30	Break and Posters (#127-147 - presenting authors present, sponsored by VetMotl)
16:30-17:30	Non-pregnant Mare IV - Luis Losinno, Chair
16:30-16:45	Follicular fluid and plasma concentrations of progesterone following hCG administration before ultrasound-guided ablation of dominant follicles ≥ 25mm in mares. S Ignácio*, D Bergfelt, H Canesin, G Camargo, G Lopes, G Monteiro, C Meira
16:45-17:00	Characterization and colocalization of thyroid stimulating hormone and melatonin receptors in the pars tuberalis of mares during the breeding and non-breeding seasons. Victoria N Bailey*, B Gilbert, E Oberhaus
17:00-17:15	Plasma estradiol profile after administration of different types of estradiol esters in acyclic mares. L Setoguchi, L de Mendonça Siqueira, G de Paula Nogueira, Elisa Sant'Anna Monteiro da Silva*
17:15-17:30	Integration analysis of metabolome and transcriptome reveals the effect of arachidonic acid on hemorrhagic anovulatory follicles in jennies. S Dai, N Li, Z Di, Y Guo, Shenming Zeng*
19:00-20:00	Dinner (Restaurant Aranda)
20:00-21:30	Workshop 3 - Zamira Gibb, Chair Stallion infertility (Sonata room - sponsored by Rood and Riddle)
20:00-21:30	Workshop 4 - Duccio Panzani, Chair Donkey reproduction (Cantata room - sponsored by Rood and Riddle)
21:30-22:30	The "Twink" Allen Gin and Samba Hour (Foyer Maestra)



SCIENTIFIC PROGRAMME

FRIDAY, 14 JULY 2023

06:30-09:00	Breakfast (Collection Building)
09:00-10:00	John Hughes Memorial Lecture: Germinal and somatic maternal cytoplasmic inheritance in the early embryo. Professor Flavio Mireilles
10:00-11:00	Break and Posters (#148-167 - presenting authors present, sponsored by Genetech)
11:00-12:30	Assisted Reproductive Techniques IV - Gustavo Carneiro, Chair
11:00-11:15	Recombinant equine FSH superovulation in the mare. Patrick M McCue*, E May, B Middlebrooks, J Roser, P Ross, E Squires
11:15-11:30	Inducing ciliation in equine oviduct epithelial cell monolayers. Bart Leemans*, J Marchand, A Van Soom, B Gadella, T Stout
11:30-11:45	Pre-maturation of oocytes for equine cloning using cAMP modulators. Jenin V Cortez*, K Hardwicke, C Grupen
11:45-12:00	Deciphering the influence of mare oviductal organoid secretions on equine spermatozoa. Edwina F Lawson*, R Griffin, A Ghosh, Z Gibb, M Baker, P Tanwar, A Swegen
12:00-12:15	Embryo biopsy and vitrification applied to a commercial embryo transfer program in Argentina. Fernando L Riera*, J Roldán, M Rodriguez, F Jastrzebski, M Lopez Echeverria, K Hinrichs
12:15-12:30	Vitrification and direct warming in iso-osmotic holding medium of equine in vitro embryos supports competitive pregnancy rates. M Papas, E Van den Branden, S Peere, I Gerits, D Angel-Velez, T De Coster, M Hedia, J Govaere, Katrien Smits*
12:30-14:00	Lunch (Restaurant Bromélia)
14:00-15:00	ISER - Current and future developments – Christine Aurich, Chair
14:00-14:30	ISER Global Education - the ISER "How to" Webinar series. Angus McKinnon
14:30-15:00	Development of ISER into a scientific society. Edward Squires
15:00-15:30	Break
15:30-15:45	Acknowledgments - Claudia Fernandes
15:45-16:15	Close and announcement of venue for ISER XIV; announcement of LeBlanc and Hanlon prize winners. Introduced by Christine Aurich.
20:00-24:00	Dinner and Party (Sonata room - sponsored by Hagyard)

SATURDAY, 15 JULY 2023

06:30-10:00	Breakfast (Collection Building) and Depart
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The organizing committee of the 3rd European Practitioners Symposium on Equine Reproduction wishes to thank the speakers of the ESER-2022 for their excellent contributions: **Pat McCue, Mandi De Mestre, Christine Aurich, Hans Wilderjans, Camilla Scott, Pouya Dini, Jean-François Bruyas, Duccio Panzani, Marco Livini, Jutta Sielhorst, Tullis Matson, and Anthony Claes**. Their enthusiasm and excellent lectures made the ESER-2022 a real fun and interesting symposium and helped to raise support for the XIII ISER in Brazil.

We are happy to announce that the 4th ESER meeting will take place on 10-11 Oct., 2024 in Ghent, Belgium. The focus of the meeting will be on periparturient events in the mare, neonatology and the foal up to weaning age. International recognized experts from three continents will contribute with lectures and workshops.

Save the Date!

The 4th European Practitioners Symposium on Equine Reproduction will take place on
10-11 Oct., 2024 in Ghent, Belgium
(We will go to Bruges in 2026!)

Pre-symposium Workshops

- 8-9 Oct: Equine Embryo Transfer Course in collaboration with Keros ET Center.
- 9 Oct (all day): Stallion management and semen handling workshop in collaboration with De Morette Equine Reproduction Center.
- 9 Oct (all day): Diagnosis of pulmonary, cardiovascular and gastrointestinal pathologies in foals. This one-day workshop combines lectures and hands-on training on ultrasonography of the foal.
- 9 Oct (afternoon): How to be successful with OPU in a veterinary practice: logistics, techniques and expectations. A half-day workshop during which veterinarians with experience in equine OPU will compare notes and share tips and tricks.
- 9 Oct (afternoon): Interpretation of uterine cytology and biopsy in practice. This half-day workshop will combine lectures with individual hands-on exercises in reading and interpretation of cytology and endometrial biopsy slides.

For more information go to www.eser2024.com

or contact us at info@eser2024.com

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POSTER SESSION

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
1	1	Effects of feeding exogenous vitamins and microelements on follicular development and molecular function of granulosa cells in donkeys	Yajun Guo	Parturition and Foal
1	3	Endometrial inflammatory response to insemination in jennies	Myriam Boeta	Non-pregnant mare
1	4	Epididymal stallion sperm quality improves with Single Layer Centrifugation prior to cryopreservation or post-thawing	Fernanda Santos	Stallion
1	5	Effects of diverse semen dilutions on sperm motility and pregnancy rate in donkeys	Xuan Wu	Stallion
1	6	Dystocia in Miniature Horses and Shetland ponies: assisted vaginal delivery, fetotomy and field Caesarean section	Emma Van den Branden	Parturition and Foal
1	7	Efficiency of umbilical vessel water infusion to the managing of retained fetal membranes after elective C-section in mares.	Marcos Neto	Parturition and Foal
1	8	Sperm vitrification supports in vitro blastocyst development after ICSI in horses	Andrés Gambini	Assisted Reproductive Technology
1	9	Comparison of Apgar score and neonatal parameters between ET and ICSI foals	Juliana Fonte	Parturition and Foal
1	10	Effect of cloprostenol on luteolysis in jennies	Feng Yang	Non-pregnant mare
1	11	Effect of two extenders on the cryopreservation of Biyang donkey semen	Kejun Wang	Stallion



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13080-650 | Prédio Roma, sala 124

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
1	12	Embryo transfer technique affects pregnancy rates in recipient mares	Hernan Ramirez	Assisted Reproductive Technology
1	13	Extracellular vesicles from equine follicular fluid support cumulus expansion and alter cumulus cells transcriptome and viability	Julia Gabryś	Assisted Reproductive Technology
1	14	Severe subfertility in Thoroughbred stallions positive for Impaired Acrosome Reaction susceptible gene (FKBP6) in Argentina	Luis Losinno	Stallion
1	16	First report of DNA detection and gender determination in leaked fluid after needle collapse of large equine blastocysts	Gabriel Clérico	Assisted Reproductive Technology
1	17	Influence of secretome obtained from preovulatory follicular fluid on energy metabolism and meiotic competence of equine cumulus-oocyte complexes	Jose Ortiz-Rodriguez	Assisted Reproductive Technology
1	18	Endocrinology and metabolomics of uterine fluid after breeding in the mare	Irene Kalpokas	Non-pregnant mare
1	20	Effect of embryo flushing technique, number of flushing attempt and previous experience of operator on embryo recovery	Laura Sala Ayala	Assisted Reproductive Technology
1	21	Effect of a dietary antioxidant supplementation on the seminal characteristics of the Colombian horse	Isabel Vélez	Stallion
2	23	Comparison of different cryoprotectants for freezing donkey jack (<i>Equus asinus</i>) semen	Marcelo Miragaya	Stallion
2	24	Blue LED light treatment of pregnant mares is not detrimental to gonadal development in their offspring	Anne Lutzer	Pregnant mare and Perinatology
2	25	Cortisol effects on granulosa cells function during follicle maturation in the horse	Dragos Scarlet	Non-pregnant mare
2	26	Establishing feasibility for porcine zona pellucida immunocontraception in a large population of free-roaming horses inhabiting the Virginia Range of Nevada, USA	Martin Schulman	Non-pregnant mare



POSTER SESSION

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
2	27	Buserelin clinical efficacy on ovulation induction in mares	Alicia Montesi	Non-pregnant mare
2	28	Assessment of the viability and quality of equine endometrial explants as a potential ex vivo model for fibrosis research	Fernando Saravia	Non-pregnant mare
2	29	Two manual non-commercial Platelet-Rich Plasma preparation methods in donkeys (<i>Equus asinus</i>)	Cynthia Xue	Non-pregnant mare
2	30	Effect of egg yolk extender on fertility of donkey cooled semen.	Carolina Alonso	Stallion
2	31	Immunohistochemistry for natural killer cells, endometrial biopsy grade, and fertility in mares with repeated early embryonic death	Maria Kareskoski	Non-pregnant mare
2	32	3D structural quantification of equid placental villi through multiscale correlative imaging	Davis Laundon	Pregnant mare and Perinatology
2	34	Effect of altrenogest on endogenous progesterone during early pregnancy in recipient mares	James Crabtree	Pregnant mare and Perinatology
2	35	The mystery of the capsular vesicles: Preliminary studies	Sandra Wilsher	Pregnant mare and Perinatology
2	36	The relationship between sperm quality parameters and stallion fertility.	Jane Morrell	Stallion
2	37	Dexamethasone effect on endometrial inflammatory response in jennies after artificial insemination with frozen donkey semen	Luisina Chaperó	Non-pregnant mare
2	38	Successful vitrification of embryos $\leq 500\mu\text{m}$ without puncture or aspiration of the blastocoele	Sofia Kovacsy	Assisted Reproductive Technology
2	39	Phosphatidylcholine and cholesterol-loaded-cyclodextrins can replace egg yolk in the cryopreservation of equine spermatozoa	Felicity Couldwell	Stallion
2	40	Oxidative assessment of thawed donkey semen with seminal plasma, permeable and non-permeable cryoprotectants	Alexandra Úsuga	Stallion

West Coast Equine Reproduction Symposium



West Coast Equine
Reproduction
Symposium - VI

The West Coast Equine Reproduction Symposium is a continuing education event organized by the University of California, Davis, for veterinarians involved in clinical equine practice. The meeting has been held every 4 years since 2001. The symposium is a fund-raising event to support student travel scholarships to the International Symposium on Equine Reproduction (ISER).

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Dr. Pat McCue (Chair)

Dr. Stuart Meyers

Dr. Pouya Dini

Dr. Ghislaine Dujovne



POSTER SESSION

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
2	41	Use of ozonated sunflower oil in the treatment of infectious endometritis in mares	Camila Ferreira	Non-pregnant mare
2	42	Effect of transvaginal oocyte aspiration on progesterone levels and estrous cycle length in domestic jennies	Ana Flores Bragulat	Assisted Reproductive Technology
3	43	Equine blastocyst re-expansion rate, quality, and sex following embryonic collapse using needle perforation of blastocoel and subsequent PCR amplification of blastocoel DNA	Giovana Camargo	Assisted Reproductive Technology
3	44	Preovulatory LH and FSH profiles of aluteal cycles	Carlos Pinto	Non-pregnant mare
3	45	Effect of melatonin in maturation medium on equine oocyte maturation, cleavage, and blastocyst production following ICSI	Robert Foss	Assisted Reproductive Technology
3	46	Equine endometrial organoids treated with embryo-derived mesenchymal stem cell-secreted extracellular vesicles as a treatment for endometritis	Mindy Meyers	Non-pregnant mare
3	47	Use of equine embryo-derived mesenchymal stromal cells and their extracellular vesicles as a treatment for persistent breeding-induced endometritis in susceptible mares	Fiona Hollinshead	Non-pregnant mare
3	48	Contribution of TGF β and of a cocktail of TGF β and the pro-inflammatory cytokines IL-1, IL-6 and TNF α to the establishment of a fibrotic phenotype in endometrial fibroblasts of mares	Yat Wong	Non-pregnant mare

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XIII

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
3	49	Effect of a single dose of a proprietary extended-release oxytocin formulation on corpus luteum function in cycling mares	Dirk Vanderwall	Non-pregnant mare
3	50	Influence of lactational status during early pregnancy on inflammatory markers in newborn foals	Fernanda Affonso	Parturition and Foal
3	51	Effects of subphysiological plasma progesterone concentration in the early luteal phase on embryonic and fetal development, pregnancy outcome and foal characteristics	Lisa-Hélène Wagner	Pregnant mare and Perinatology
3	52	CfDNA of feto-placental origin is not detectable in plasma of pregnant mares by optimised sexing-qPCR.	Don Miller	Pregnant mare and Perinatology
3	53	Application of the microflow technique for the selection of stallion semen	Monika Bugno-Poniewierska	Stallion
3	54	Pharmacokinetic and pharmacodynamic studies of an altrenogest diffusing intravaginal ring for estrus suppression in the mare	Jennifer Hatzel	Non-pregnant mare
3	55	Pulsatility and resistive indices in the detection of mares with and without endometritis	Julio Cesar Jacob	Non-pregnant mare
3	56	Use of endometrial swab and cytobrush for detection of inflammatory diagnostic markers of endometritis	Jennine Lection	Non-pregnant mare
3	57	Evaluation of simple strategies to reduce the use of antibiotics in equine fresh sperm	Sonsoles Zabala	Stallion



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POSTER SESSION

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
3	58	Monitoring for Equine Viral Arteritis has decreased its prevalence in European breeding sires	Martim Kaps	Stallion
3	59	Gross and histological features associated with umbilical cord torsion in equine abortions	Jessica Roach	Parturition and Foal
3	60	Endocrine and metabolic profiles in pregnant and non-pregnant Criollo mares	Lucila Villar	Pregnant mare and Perinatology
3	61	Metabolic changes in obese pregnant mares	Mateo Pardie	Pregnant mare and Perinatology
3	62	Obesity and age on post breeding endometritis in the mare	Ana Meikle	Non-pregnant mare
3	63	Global gene expression in equine endometrium around the time of maternal recognition of pregnancy	Hossam El-Sheikh Ali	Pregnant mare and Perinatology
4	64	Effects of firocoxib, trimethoprim sulfamethoxazole and altrenogest on inflammation and foal survival after administration to mares with experimentally-induced placentitis	Margo Macpherson	Parturition and Foal
4	65	US Doppler in the monitoring of hemodynamic alterations of the supplementary corpus luteum in cyclic mares	Diego Campos	Non-pregnant mare
4	66	Molecular effect of holding equine oocytes: a road to cytoplasmic maturation?	Pouya Dini	Assisted Reproductive Technology
4	67	Obtaining follicular fluid through ovum pick up to determine steroidal concentrations of preovulatory follicles in donkeys	Dulce Lugo	Non-pregnant mare

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POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
4	68	Conditioned medium of mesenchymal stem cells in mares with endometrial fibrosis	Fabiano da Rocha	Non-pregnant mare
4	69	Equine endometrial Th1 and Th2 evaluation during early pregnancy	Henrique Bastos	Pregnant mare and Perinatology
4	70	Effect of mare's age and embryo quality on pregnancy and foaling rate in a clinical ICSI program	Heloísa Canesin	Assisted Reproductive Technology
4	71	Blastocyst production using a new equine FSH for in vitro maturation	Joao Brom-de-Luna	Assisted Reproductive Technology
4	72	Differential gene expression in the equine endometrium and conceptus from Day 11 to 16 post-ovulation	Alysa Giudici	Pregnant mare and Perinatology
4	74	Proteomic characterization of eight-day-old equine blastocyst produced in vivo	Antonio Carlos Teles Filho	Pregnant mare and Perinatology
4	75	Metabolics profile of equine seminal plasma	Veronica Bueno	Stallion
4	76	The lipidomic profiles of donkey semen present greater diversity and abundance than horse semen	Camila de Paula Freitas-Dell'Aqua	Stallion
4	77	Novel lyophilized extenders have robust results on stallion semen freezing and do not need frozen shipment or storage	Márcio Nunes	Stallion
4	78	Proteomic profile of stallion seminal plasma	Sandra Fiala-Rechsteiner	Stallion
4	79	Stallion management on breeding facilities – a questionnaire	Rodrigo de Oliveira	Stallion
4	80	Power-doppler ultrasonography is an accurate tool for early pregnancy detection in donkeys	Amy McLean	Pregnant mare and Perinatology
4	81	Application of preimplantation genetic diagnosis in 91 equine ICSI embryos	Young Ho Choi	Assisted Reproductive Technology
4	82	Ezrin immunoexpression in trophoblast cells in equine placenta	Isabela Campos	Pregnant mare and Perinatology
4	83	Effect of fixative solutions in equine ovarian tissue	Francisco Aguiar	Assisted Reproductive Technology



POSTER SESSION

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
4	84	Can body temperature be a tool to detect ovulation in the mare?	Juliette Auclair-Ronzaud	Non-pregnant mare
4	85	The GnRH analogue Decapeptyl was able to induce ovulation in cyclic jennies	Diana Fanelli	Non-pregnant mare
5	86	Effect of breed and embryo sexing on the efficiency of a commercial OPU-ICSI programme in mares	Amber Clutton-Brock	Assisted Reproductive Technology
5	87	Endometrial gene expression of DEFB4B, LYZ, and SLPI in biopsy samples of mares resistant or susceptible to endometritis	Rebecca Moroni	Non-pregnant mare
5	88	Doppler ultrasonography: the improvement in real-time recipient selection in equine ET programs	Gilberto Lourenço	Assisted Reproductive Technology
5	89	Use of different ovulation inducers in mares about pulsatility index and ovarian artery resistivity	Paula Ferraz	Non-pregnant mare
5	90	The effect of controlled stress on the kinematic parameters of cryopreserved equine sperm	Fabício Mozzaquatro	Stallion
5	91	Diagnosis of imminent placentitis in mares	Lorena Feijo	Pregnant mare and Perinatology
5	92	Oxidative stress in OPU mares can delay embryo development in vitro	Mohamed Hedia	Assisted Reproductive Technology
5	93	Assessment of methods to activate epididymal sperm motility	Giorgia Podico	Stallion
5	94	Characterization of interferons in the equine conceptus and endometrium	Mariana Diel de Amorim	Pregnant mare and Perinatology



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POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
5	95	Lyophilization as an alternative for conservation of equine plasma as source of IgG for neonatal foals	Gilvannya Sobral	Parturition and Foal
5	96	Estrogen immunomodulatory role during transitory post-breeding endometritis in mares	Joana Engelhardt	Non-pregnant mare
5	97	Success of different therapy concepts for bacterial endometritis in studfarm practice	Gunilla Martinsson	Non-pregnant mare
5	98	Platelet-rich plasma lyophilization as an alternative for conservation and transport	Eveline de Fátima Catão	Non-pregnant mare
5	99	Association of metabolome and neutrophil count in the intrauterine fluid after insemination in the mare	Concepción Gómez-Cuétara	Non-pregnant mare
5	100	Antibiofilm action of ozonized sunflower oil against bacteria isolated from the uterus of mares susceptible to endometritis	Gustavo Carneiro	Non-pregnant mare
5	101	Investigation of cytokines in equine serum, conceptuses and endometrium in early pregnancy	Anna Mitchell	Pregnant mare and Perinatology
5	102	Capacity of biofilm production by filamentous fungi isolated from the uterus of susceptible mares over the time	Consuelo Serres	Non-pregnant mare
5	103	Effect of bovine seminal plasma Binder of Sperm Protein 1 on stallion sperm cryopreservation	Maria Luiza Munhoz	Stallion
5	104	The influence of mare's lactational status during early pregnancy on metabolism of foals up to 28 days of age	Beatriz Bringel	Parturition and Foal



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POSTER SESSION

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
5	105	Evaluation of different platelet-rich plasma protocols for use in the equine reproductive clinic	Joel De Oliveira	Non-pregnant mare
6	107	Evidence of Equine Genital Leptospirosis (EGL) syndrome in a mare with chronic placentitis	Fernanda Dantas	Pregnant mare and Perinatology
6	108	Characterization of lyophilized equine colostrum	Luna Gutiérrez-Cepeda	Parturition and Foal
6	109	Sperm processing methods effectively reduce the DNA fragmentation index in samples with high initial values	Bruno Joaquin Paredes	Stallion
6	110	Pre-maturation timing on equine ICSI embryo development rates	Marc Maserati Jr	Assisted Reproductive Technology
6	111	The potential role of Fibrillin 2 in equine placental and fetal development	Daniela Orellana-Guerrero	Pregnant mare and Perinatology
6	112	ICSI equine embryo production with oocytes aspirated during estrus or diestrus.	Ana Claudia Oliveira	Assisted Reproductive Technology
6	113	Persistent stallion-like behavior is rarely associated with changes in hormonal markers in the equine cryptorchid suspects: a retrospective study	Kornelia Omyla	Stallion
6	114	Use of Doppler indices of vascular impedance for diagnosing testicular degeneration in stallions	Malgorzata Pozor	Stallion
6	115	Expression of genes associated with sperm-oocyte interaction in the stallion reproductive tract	Patricia Xavier	Stallion

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POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
6	116	Impact of N-acetylcysteine infusion on detection of bacterial endometritis in mares	Kristina Lu	Non-pregnant mare
6	117	Storing stallion sperm in SpermSafe™ at 17°C may improve fertility by reducing mPTP formation	Zamira Gibb	Stallion
6	118	hCG and histrelin acetate as ovulation inducer agent in mares (Equus Caballus) in a commercial breeding program in Uruguay	Nicolás Cazales	Non-pregnant mare
6	119	Effect of cholesterol inclusion on kinetics, mitochondrial potential and membrane stability parameters of equine spermatozoa after thawing	Thayná Miranda	Stallion
6	120	Efficiency of equine oocyte recovery from post mortem ovaries or by ovum pick up.	Catalina Castañeira	Assisted Reproductive Technology
6	121	Mechanisms of biphasic surges of testosterone in response to human chorionic gonadotrophin (hCG) in stallions	Yuko Toishi	Stallion
6	122	Effects of embryo flushing on serum progesterone levels and the interovulatory period in Arabian donor mares	Maria Rubio	Assisted Reproductive Technology
6	123	Cytokines profile of the low-volume uterine lavage in mares with normal postpartum and septic metritis	Jole Mariella	Parturition and Foal
6	124	Prevalence of Taylorella equigenitalis in an Icelandic horse population	Veronika Solbach	Non-pregnant mare



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POSTER SESSION

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
6	125	Pathohistological findings in bilateral removed ovaries of mares with behavioral problems	Tanja Witte	Non-pregnant mare
6	126	Cortisol and DHEA as markers of placentitis in pregnant mares: a preliminary study	Joy Ledeck	Pregnant mare and Perinatology
7	127	Induced ovulation and timed recovery of suitably sized embryos for transfer in mares	Giulia Lopes	Assisted Reproductive Technology
7	128	Nicotinic acid addition to freezing equine semen extender influence the number of sperm bound to bovine oviduct explants	Monique Lagares	Assisted Reproductive Technology
7	129	Susceptibility to persistent breeding-induced endometritis and positive embryo flushing are associated with differential endometrial gene expression and uterine extracellular vesicles cargo in mares	Guilherme Novello	Non-pregnant mare
7	130	Factors affecting post-mortem production of equine ICSI blastocysts	Emma Lorenzen	Assisted Reproductive Technology
7	131	Compared efficacy of Lecirelin and hCG for ovulation induction in mares	Lucile Vavas seur	Non-pregnant mare
7	132	Effect of FertTalp addition to stallion semen on kinetic parameters and production of intracellular hydrogen peroxide after thawing	Virginia Vilela	Stallion
7	133	Blastocysts production after long-term delayed shipment (72h) of COCs in holding medium	Roberto Sanchez	Assisted Reproductive Technology
7	134	Case Report: Presence of Volatile Organic Compounds (VOCs) in the OPU-oocyte searching room and its effect on equine in vitro embryo production	Carolina Herrera	Assisted Reproductive Technology
7	135	Post-thaw addition of pentoxifylline to equine semen previously cryopreserved with different concentrations of cholesterol-loaded cyclodextrin	Pedro Ladislau	Stallion
7	136	Interleukin-1 beta treatment alters prostaglandin-related mRNA expression and cytokine abundance in equine endometrial culture	Michael Byron	Non-pregnant mare

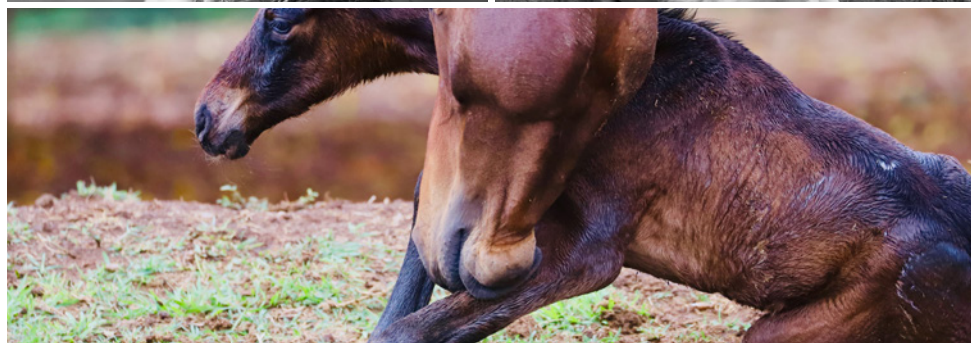
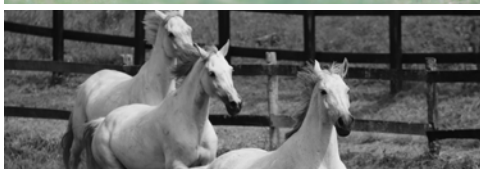
POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
7	137	Immunohistochemical localization of kisspeptin and kisspeptin receptor in the equine ovary: Effect of follicle size and reproductive state	Erin Oberhaus	Non-pregnant mare
7	138	Influence of an equine viral arteritis (EVA) outbreak on embryo recovery, pregnancy and live foal rates at an insemination and embryo transfer center in Northern Germany 2020	Michaela Kölling	Parturition and Foal
7	139	Confocal laser endomicroscopic imaging of equine endometrium: evaluating image quality	Kirsty Gallacher	Non-pregnant mare
7	140	Ultrasonographic and Doppler characteristics of corpus luteum luteogenesis in Remonta Argentino jennies	Jessica Plaza	Non-pregnant mare
7	141	Placentitis occurrence, treatments, pregnancy outcome and subsequent fertility on a large warmblood stud farm: a retrospective field study	Jutta Sielhorst	Pregnant mare and Perinatology
7	142	Effect of intra-uterine infusion of prostaglandin E1 on equine serum level and intra-ovulatory interval	Maria Lopez-Rodriguez	Non-pregnant mare
7	143	Evaluation of a treatment with deslorelin acetate to induce ovulation and secondary CL formation during the first two weeks of diestrus in mares.	José Zerega	Non-pregnant mare
7	144	Gene expression of equine oocytes maintained in meiotic blockade	Fernanda Landim	Assisted Reproductive Technology
7	145	Seasonal variation of serum and intrafollicular concentrations of melatonin and estradiol in relation to follicular development	Ezequiel Chacon Ortiz	Non-pregnant mare
7	146	Scrotal insulation impairs spermatogenesis but not Sertoli cell endocrine function	Frederico Papa	Stallion
7	147	Doppler evaluation of testicular arteries of stallions of different ages	Deborah Silva	Stallion
8	148	Preliminary analysis of hormonal and seminal sperm parameters of subfertile and fertile stallions treated with GnRH agonist lecrelin	Thaís Cavaleiro	Stallion



POSTER SESSION

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
8	149	Successful mule embryo transfer to a recipient mule during late diestrus.	Maricruz Diaz Duran	Assisted Reproductive Technology
8	150	Successful use of sexed stallion semen for in vitro embryo production; a preliminary study	Pouya Dini	Assisted Reproductive Technology
8	151	Use prostaglandin E1 analog (misoprostol) to aid cervical dilation in birth induction.	Odilon Oliveira	Parturition and Foal
8	152	Hemodynamic evaluation of testicular artery of stallions associated with spermatic cord torsion	Gabriel Monteiro	Stallion
8	153	The main factor of reduced pregnancy rates in post-foaling mares is time of transfer after parturition.	Juan José Vazquez	Assisted Reproductive Technology
8	154	Influence of hormonal induction of oestrus and/or ovulation on embryo transfer success	Rocío Vicioso	Assisted Reproductive Technology
8	155	Comparison of serum amyloid A concentrations in mares with experimentally-induced placentitis to normal, pregnant mares using a commercially available, stall-side device	Joy Russolillo	Pregnant mare and Perinatology
8	156	Adequacy of equine thyroid function testing in mares	Claire Card replaces Maria Jose Terol Monar	Non-pregnant mare
8	157	Mitigation of post breeding endometritis in mares treated with Platelet Rich Plasma (PRP)	Elena Serrano-Recalde	Non-pregnant mare
8	158	In vitro reduction of Escherichia coli biofilm mass by platelet-rich plasma lysate (PRP-L)	Sara Lyle	Pregnant mare and Perinatology
8	159	Effects of association of steroidal and non-steroidal anti-inflammatory drugs on endometrial condition after artificial insemination	Flávia Freitas	Non-pregnant mare
8	160	Sperm kinetics of equine semen cooled at 5 °C in solid state	Lucas Canuto	Stallion
8	161	Factors affecting pregnancy rates in acyclic recipient mares prepared with intravaginal progesterone device	Bruna Zutter	Assisted Reproductive Technology

POSTER SESSION #	POSTER ID #	TITLE	PRESENTER	CATEGORY
8	162	Laser ablation of the equine oviductal papilla as a novel contraceptive technique	Robyn Ellerbrock	Non-pregnant mare
8	163	"Effect of cytobrush technique in mares"	Jackson Gille	Non-pregnant mare
8	164	In-vitro derived embryos produced from mares treated with intravenous clomiphene citrate	Candace Lyman	Assisted Reproductive Technology
8	165	Insights of uterine fluid proteins and putative roles on maternal recognition of pregnancy	Fabiana Souza	Pregnant mare and Perinatology
8	166	Colostrum quality associations with passive immunity transfer in foals	G Araujo	Parturition and Foal
8	167	Correlation of equine sperm kinetic parameters with fertility index	Camila Trinqu	Stallion





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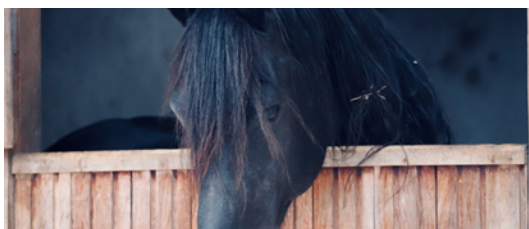
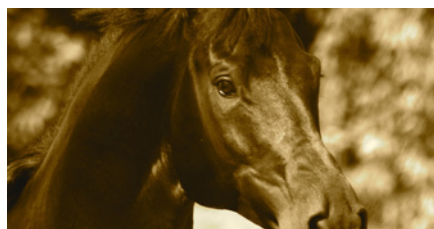
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