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New echotexture parameters to evaluate the testicular parenchyma in bulls

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Power and colour Doppler ultrasonography for the evaluation of the vasculature of ovarian abnormality in mare

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Vasectomy in the wild deer**

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Prevention of postpartum diseases in sows

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No evidence of an association between lethal recessive Osteopetrosis and performance in dairy cattle**

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A preliminary study on transcriptome analysis of boar spermatozoa differed in freezability

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MicroRNA expression profile in porcine oocytes aspirated from follicles of different sizes

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Isolation and purification of Cajal cells (CC) and interstitial Cajal-like cells (ICLC) from equine intestine and uterus

M. Gajewska¹, M.B. Olszewski^{1,2}, M. Domino^{1,2}, M. Sady^{1,2}, A. Wehrend³, P. Matyba^{1,2} and Z. Gajewski^{1,2}

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The introduction of sexually active bucks during the luteal phase of the oestrous cycle did not modify the NEFAs and IGF-1 concentrations

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Ovulation failure of lactating dairy cows under heat stress conditions decreased after inducing ovulation using hCG in a five-day progesterone-based fixed-time AI protocol

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Effect of two diluents upon semen quality in Dorper rams

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Blue-LED light stimulation improves the quality of canine sperm

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Anatomical and histological study on true bilateral hermaphroditism in a Spain domestic pig - a case report

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Anesthetic and surgical procedures for MRI, functional MRI and removal of different type mammary gland tumors in laboratory rats

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Bovine fetal gender determination: positioning of the fetus (left/right) by gender

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Adoption of orphan foals by lactating mares

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Equine oviductal fluid can be used as coadjuvant for protein tyrosine phosphorylation induction in equine sperm

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Results of breeding soundness evaluation of beef bulls in the province of Cáceres (Spain)

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Placental characteristics in American minihorses

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Does Hydatid cysts of Morgagni cause infertility in sows?

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Placental development during early pregnancy in sheep: Nuclear estrogens and progesterone receptor mRNA expression in the utero-placental compartments

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Reproduction problems in meat pigeon breed

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Equine sperm cryopreservation efficiency optimization by colloidal centrifugation

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The presence of bucks and the body condition are modulators of the seasonal reproductive activity in Blanca Andaluza goats

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Short term effects of multiple biopsies on equine endometrium

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Diagnosing subclinical endometritis in dairy cows by uterine secretions

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Effect change of temperature about morphometric head sperm in goat tropical

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Calving problems in cattle: Dystocia in the daily veterinary practice

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Incidence of uterine, vaginal and rectal prolapses in Spanish breed pig herds

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Influence of laser radiation on the sperm of bulls

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Assessment of utility of Computed Tomography (CT) in evaluation of equine ovaries architecture

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Expression of proinflammatory cytokines IL-1 β , IL-6 and TNF α in the retained placenta of mares

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Freezing semen from a donkey with 6 different extenders

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Effective prevention of pseudopregnancy in the bitch

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Cysteine supplementation pre-freeze and post-thaw improves integrity and reduces oxidative stress in cryopreserved ram spermatozoa

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Endometritis-pyometra complex and fibroadenomatosis in a 4.5 months old Sphinx queen

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Effect of intrauterine infusion of thyme oil and Dimethyl sulfoxide on healing of clinical endometritis in cows

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Uterine torsion in cattle: puerperal course and effects of NSAID administration

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Morphological characteristics of oocytes collected from pubertal and prepubertal wild Felids

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New method of gonadorelin application for treatment of cows with follicular cysts

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Circulating miRNAs as potential molecular biomarker of early pregnancy in ewes

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The lack of intra-family phylogenetic consanguinity between scriptaid-treated somatic cells and nuclear recipient oocytes does not result in developmental failure of caprine-porcine cloned embryos

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The course of parturition and PPARGC1A/HaeIII genotypes of dairy cattle

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The viability of *Danio rerio* embryos and larvae after GFP fluorescent gene microinjection

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A. Kozitsyna, L. Karpenko, A. Bakhta, P. Anipchenko and A. Balykina

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The efficiency of ovarian responses to superovulation protocol and embryo quality in sheep in Kuwait

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The effect of late follicular or early luteal bovine oviduct fluids on frozen thawed bull sperm parameters in non-capacitating medium

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Testing of haplotypes impacting fertility in Russian Black and White cattle

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Effect of duration of cultivation on the developmental competence of bovine oocytes that have not finished growth phase in vivo

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Influence of enterosorbent "Zoo-Verad" on reproductive characteristic in cows

A. Kuznetsov, K. Plemyashov, K. Zenkov, K. Rozhkov, I. Ivanova and E. Meboniya

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Analysis of the level of thyroid hormones in cows in different periods of lactation

M. Ladanova, A. Stekol'nikov, K. Plemyashov, E. Meboniya and P. Anipchenko

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New echotexture parameters to evaluate the testicular parenchyma in stallions

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Effect of a single dose of a GnRH analogue (lecirelin) on ovulation in pure breed Spanish (PRE) mares

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Reproductive and productive parameters in hair sheep under confinement system in the tropic of Veracruz affected by the type of mating

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Screening of seed male birds' sperm

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Age-related changes in binding characteristics of growth hormone receptors in the granulosa layer of hen preovulatory follicles

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Biochemical status of cows in the dry period in connection with reproductive performance and milk productivity

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Could Doppler ultrasound of testicular arteries be a good indicator of oxidative DNA damage of canine sperm?

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Anesthesia concerns for CT imaging (computed tomography) and surgery of the reproductive system in bitch with atypical Ovarian Remnant Syndrom (ORS)

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New device for deep cervical artificial insemination in gilts

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Tissue composition differences in the cranial cervix of nulliparous and multiparous sows

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Quality of porcine sperm selected by sorter technique for its binding to OVGP1-Cherry

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Case report of an uncommon benign luteoma in an ovarian remnant of a spayed bitch

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Specific PDE10 inhibitor improves chilled canine sperm quality

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Additional seminal plasma on boar seminal doses mitigates the deleterious effect of uterine fluid

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Low sperm concentration affects boar sperm quality in semen doses even in presence of high amounts of seminal plasma**

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N-acetylcysteine addition to canine sperm freezing extender does not affect its post-thaw quality

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Gene expression in blood as potential biomarkers of early pregnancy in dairy cattle**

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Study of the renal development of canine fetuses by high definition ultrasound (HD) – preliminary results

M. Maronezi, A.P. Rodriguez Simões, P. Silva, L. Pavan, F. Del Lama Rocha, B. Gasser, W. Ricardo Russiano Vicente and M.A. Rossi Feliciano

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Vitrification modifies expression of genes associated with cell cycle, DNA replication and DNA repair in porcine blastocysts**

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Ultraviolet light reduces bacterial contamination without impairing sperm quality of chilled canine semen

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Tyrosine phosphorylation pattern in ejaculated and epididymal mouflon (*Ovis musimon*) sperm associated with capacitation process**

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Testicular volume in the Miranda Donkeys: accuracy of ultrasonographic measurements

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The non-invasive system of surface temperature monitoring during perinatal period in mares

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N-acetylcysteine addition to Puro Sangue Lusitano sperm freezing extender does not affect its quality post-thaw

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Influence of osmolality of the media for dilution and cryopreservation of turkey toms' sperm on fertilization ability of thawed sperm

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Reproductive qualities of cows in the dosed feeding of micronized yeast during the transit period

E. Meboniya, K. Plemyashov, A. Kuznetsov, M. Ladanova, P. Anipchenko, K. Zenkov, K. Rozhkov and I. Ivanova

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Prediction of parturition in Belgian Blue cattle based on rectal temperature or the lunar phase**

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In-clinic maternal derived antibodies titration to determine the optimal time for the first core vaccination in puppies**

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Effects of acute external stress during parturition on the neonatal adaptation in the horse

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Effect of the pH pre-adjustment in the freezing and thawing extender on post-thaw boar sperm quality

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Precision supplementation of protein enriched *Opuntia cladodes* and reproductive outcomes in anestrus goats exposed to the male effect: estrus induction and selected blood metabolites

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Variability of egg parameters in Wrocław Meat Pigeons in the winter period

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Identification of stallion epididymal fluid phosphoproteins**

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Comparative study of changes in intracellular calcium levels and localization in capacitated ram spermatozoa in presence of melatonin**

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Metabolic status of newborn calves with intrauterine growth retardation

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Alterations in blood thyroid levels during the postpartum period are related to the reproductive ability of primiparous dairy cows resumed cycling activity

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Nodal protein expression in mare's endometrium**

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Bull semen can be stored overnight in various extenders before colloid centrifugation

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Bull semen quality is related to differences in sperm protein abundance and their carbonylation level

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New echotexture parameters to evaluate the testicular parenchyma in boars

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Ovarian follicular dynamics and changes in concentrations of estradiol-17 β and progesterone during estrous cycle of Beetal goats

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Analysis of fixing methods of reindeer (*Rangifer tarandus*) for semen collection

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Follicular size and estrus duration in Tunisian Arab mares: what relationship?

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Automatic detection of cows at risk for ketosis based on moving activity

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Preservation of black crested mangabey (*Lophocebus aterrimus*) spermatozoa**

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Low flow anesthesia for caesarean section in dogs

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Contractile uterus activity of dairy cows in the early postpartum period and its reaction to myotropic medication

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Isolation and antibiotic resistance of *S. aureus* strains isolated from cow milk in different regions of Russia

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Utilizing homologous ram seminal plasma in semen extenders for increasing the spermatozoa viability and motility assets following cryopreservation**

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The effect of different concentrations of sucrose on goat sperm vitrification

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Effects of highly dispersed silica nanoparticles on morphology of lipid droplets in growing or fully grown porcine oocytes

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Improvement of reproductive potential of chicken hens from parent broiler flock by means of the use of supplements based on triterpene spirits

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LH and FSH response after repeated low doses of GnRH analogue (buserelin) in treatment of anovulatory anoestrus in dairy cows

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Effects of breed and feeding intensity on progesterone profiles in postpartum cows

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Rainbow trout sperm proteins phosphorylation after sperm motility activation at hypoosmotic and isosmotic conditions

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Comparative of two sperm DNA damage assays after ultraviolet light pulses

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Does the corpus luteum presence at the beginning of the progesterone plus estradiol protocol affect the dynamic of synchronized follicular wave in ewes?

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An application of histometry in semiautomatic uterine biopsy quantification in different endometrial features in mares

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Generation and in vitro differentiation of porcine bone marrow-derived mesenchymal stem cells (MSC)

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Cryopreservation of ram sperm (trehalose vs. glycerol) in soy lecithin and powdered egg yolk based extenders

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Localization of granulocyte-macrophage colony-stimulating factor (GM-CSF) in the genital tract of fertile boars**

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Sexual active rams enhanced the immediate increase in plasma LH concentrations and extends the LH surge of ewes during the male effect

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Viability, colostrum intake and total proteins in calves born after induced Caesarean section or normal transvaginal delivery

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Boar seminal plasma induces in vitro expression of transforming growth factor β 1-3 (TGF- β 1-3) by the genital tract of the sow

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The effect of natural and pharmacological agent reducing mitochondria activity on frozen-thawed canine semen

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Sperm-binding to the perivitelline membrane of chicken egg yolk as a functional test for epididimal collected spz evaluation in dogs

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Analysis of basic biochemical and gasometric parameters in the blood as marker of a health herd of dairy cattle

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Conservation methods of granulosa cells from mare oocytes**

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Utilization of extenders of ram semen without glucose and low percentages of egg yolk added with honey bee

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Sperm production in three Andalusian autochthonous avian breeds: comparison of two methods to determine sperm concentration

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TGF- β 1 levels in seminal plasma relates positively to porcine in vivo fertility**

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Efficiency of using semen extender VNIIGRZH for insemination in chickens

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Proteomic changes during time-course of capacitation in fresh and frozen-thawed ram sperm**

P. Peris-Frau, A. Martín-Maestro, L. Mateos-Hernández, M. Iniesta-Cuerda, I. Sánchez-Ajofrín, M. Villar, J.J. Garde and A.J. Soler

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Association between milk yield and fertility traits in developing Russian Ayrshire cattle breed

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Ultrasound evaluation of ovarian follicular growth after superstimulation treatment by corifollitropin alfa in rabbit

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The mammary gland tumor Shear Wave Elastography in bitches**

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A novel seminal additive for porcine increases fertility in Iberian sows after artificial insemination

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F. Martínez-Pastor and J.C. Domínguez**

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Basic semen evaluation in reindeer (*Rangifer tarandus*)

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Evaluation of the cocks spermatozoa membranes' damaging during cryopreservation with use of Sperm VitalStain colorant

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Single-layer colloid centrifugation as a method to process urine contaminated stallion semen after cryopreservation**

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Hair dehydroepiandrosterone in newborn beef calves from birth up to 10 months of age

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Effects of mutations in MSTN on carcass traits in Holstein Friesian (HF) cattle without antagonistic effects on fertility traits

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First description of the seminal microbiome in healthy stallions and donkeys**

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Segregation of a candidate novel lethal recessive gene in Irish Holstein Friesian dairy cattle**

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Prevalence of EAV among Swedish stallions

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Development of a new, practical test for the diagnosis of neonatal isoerythrolysis in the newborn foal: a preliminary study**

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Coxiella burnetii* phase-specific serological response and status of offspring in dairy cows in Latvia – preliminary results*

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The effect of melatonin applications on offspring in experimentally induced uterine torsion in pregnant rats

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Effect of the addition of essential oils upon the presence of reproductive and metabolic diseases in multiparous Holstein cows in the transition period

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Functional Sertoli cell tumour associated with paraprostatic abscess and spermatic cord torsion in a pseudohermaphrodite abdominal cryptorchid male dog: A case report

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Influence of the age of Nellore and Caracu bulls on measures of accessory sex glands

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Preliminary results of quantitative ARFI elastography of the uteroplacental structure during the last gestational week of bitches

A.P. Rodrigues Simões¹, M.C. Maronezi¹, V. Tavares de Almeida¹, B. Gasser¹, F. Farias Pereira da Câmara Barros², I.L. Salardani Senhorello¹, W.R. Russiano Vicente¹ and M.A. Rossi Feliciano¹

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Evaluation of entire or divided progestogen impregnated sponges upon estrus and ovarian response in Dorper ewes

R. Rodríguez-Martínez¹, C. González-Rodríguez¹, C.A. Meza-Herrera², A.S. Alvarado-Espino¹, O.T. De la Cruz-Rocha¹, O. Angel-García¹ and F.G. Véliz-Deras¹

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Optimal timing for canine artificial insemination with frozen semen: a retrospective study**

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Pregnant rate using artificial insemination after three control of sexual cycle treatments in Majorera goats

C. de la Rosa-García, C. Santana-López, A. Vega-Santana, F. Cabrera and A. Gracia

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Cystic endometrial hyperplasia (CEH) of the uterine mucosa in a pregnant queen - a case report**

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AGP concentrations at 7 days post partum as a predictor for uterine disease in dairy cows**

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Implementation of new mineral additives for stud bulls

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Effect of temperature and sperm concentration in Tris-glucose-BSA liquid storage on the sperm motility rate in Murciano-Granadina male goats

S. Sadeghi¹, R. Del Gallego¹, J. Yániz², P. Santolaria², E.A. Gómez³ and M.A. Silvestre¹

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Effect of temperature and sperm concentration in Tris-glucose-BSA liquid storage on the sperm motility rate in Murciano-Granadina male goats

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The expression of potentially regulatory proteins in porcine cervix regeneration process after MSC transplantation

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Stable nitrogen oxide metabolites and S-nitrosothiols in blood plasma of cows with reproductive organs pathology

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Effects of epidural versus intramuscular administration of GnRH analogue on the Ovsynch-56 protocol

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Extended equilibration time affects motility and some kinematic parameters in thawed semen in Holstein and Asturiana de los Valles bull breeds

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Both close and far phylogenetic distance between epigenomically modulated nuclear donor cell and host ooplasm is not an obstacle for generation of inter-species nuclear-transferred (NT) blastocysts

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The effect of maternal hyperthermia on oocyte quality in sheep**

I. Sanchez-Ajofrin, M. Iniesta-Cuerda, A. Martin-Maestro, P. Peris-Frau, J. J Garde and A. J Soler

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Determination of the correlation between α , β and γ - globulin in dogs with pyometra

B. Semenov, A. Stekol'nikov, K. Plemyashov, V. Videnin, V. Guseva and T. Kuznetsova

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Interferon-tau and progesterone in the blood of cows in the period of early embryogenesis

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Histone acetylation in matured and aged bovine oocytes exposed to progesterone or prolactin during the second phase of IVM

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Dynamic changes in the proportion of binucleate cells in the ovine placenta

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Endocrine profile of Holstein stud bulls depending on their age

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Anesthesia concerns for MRI, functional MRI and CT of the prostatic carcinoma with local metastasis to urinary system of the dog - a case report

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Case report: primary unilateral low-grade paratesticular sarcoma in a two years old dog

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Structure of the vaginal *Escherichia coli* population among healthy bitches in estrus

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Ultrasonographic evaluation of locoregional lymph nodes in bitches with mammary neoplasms

P. Silva, MC. Maronezi, B. Gasser, AP. Rodrigues Simões, L. Pavan, T. Mucédola, PD. Porto da Silva, RA. Ramirez Uscategui, WR. Russiano Vicente and MA. Rossi Feliciano

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Comparison of three non-penetrating cryoprotectants in the freezing of Black Belly ram sperm

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Graphene oxide drives capacitation dependent membrane remodeling in mammalian spermatozoa**

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The mRNA expression of PPARs in the bovine blastocysts correlate with embryo quality markers expression

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Effect of epidermal growth factor during prolonged culture on bovine oocytes matured in vitro

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Computed tomography (CT) imaging in an atypical case of Canine Ovarian Remnant Syndrome (CORS)

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Inter-genus taxonomic incompatibility between nuclear donor cells and recipient ooplasts brings about differences in development of caprine-bovine cloned (C/B-CL) and bovine cloned (B-CL) embryos

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Biochemical characteristics of postpartum hepatic functioning in primiparous dairy cows with different levels of ovarian activity

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Effect of different oxygen levels and medium protein components on morphokinetics of in vitro cultured preimplantation rabbit embryos

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Livability of chicken embryos, obtained after insemination by frozen/thawed sperm, depending on storage duration of incubation eggs

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Glucose metabolism and expansion of cumulus cells differs in pubertal and prepubertal cows

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Maternal parity and size of the ovarian reserve in dairy cattle offspring

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Effect of gonadotropin (hCG, eCG, or p-FSH) in induction of synchronized estrus on the corpora lutea characteristics and conception rate of dairy goats

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Effect of cutting off the velvet antlers on the efficiency of semen collection in reindeer

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Differences of reproductive traits between domestic and exotic cattle in dairy farms in Ankara

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Endometritis impairs milk production and fertility in dairy cows

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Transrectal ultrasound-guided massage of the accessory sex glands (TUMASG) to collect semen in a black crested mangabey (*Lophocebus aterrimus*) - a case report

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Metastatic testicular seminoma in a stallion: a case report

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The influence of high-hydrostatic pressure (HHP) on fresh boar semen before liquid preservation

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Dependence of the reproductive performance on the level of inbreeding in Ayrshire first calving cows

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The effect of administration of rocuronium and sugammadex on progesterone levels in pregnant rabbits under general anesthesia

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Effect of enriching bypass lysine and methionine content of low quality protein diet on fertility in dairy cows

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Effects of different concentrations of *Mentha piperita* L. extraction on quality of Moghani ram semen following the freeze-thaw process

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Effect of the body condition score at the beginning of lactation on productivity and reproductive performance in first-calves cows

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Successful multiple ovulation and embryo transfer programs for importing White Suffolk (WS) sheep breed into the European Union (EU)

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Effect of Leukemia Inhibitory Factor on bovine oocyte vitrification

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Macroscopic evaluation of the placenta of the alpaca (*Vicugna pacos*)

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Isolation of the goose spermatogonia

A. Vetokh, N. Volkova, E. Tomgorova, L. Volkova, V. Bagirov and N. Zinovieva

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Litter size components of three selected maternal lines founded on different criteria

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Influence of day length on duration of estrus, size of preovulatory follicle and progesterone levels in mares

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Survey on cesarean section in the buiatric practice: indications, clinical surveys and subsequent fertility

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Equine alpha-fetoprotein levels in the intra- and peripartal period

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Genetic transformation of chicken primordial germ cells in vitro

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Persistently infection of BVDV in neonatal calves of the Ural region of Russia

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Recipient factors affecting pregnancy rate in an equine embryo transfer program

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Supplementation of post-thaw semen with fractionated seminal plasma improves cryo-survival of boar spermatozoa

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Trichostatin A (TSA)-dependent epigenetic transformation impacts the quantitative profiles of Gal α (1,3)Gal epitopes in adult dermal fibroblast cells (ADFCs) derived from bi- and tri-transgenic pigs

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Trichostatin A (TSA) treatment enhances the expression of recombinant human $\alpha 1$, 2-FT, α -Gal A and HLA-E proteins in adult dermal fibroblast cells (ADFCs) derived from triple transgenic pigs

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First report of transplacental transmission of *Dirofilaria repens* in dogs**

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A comparison of subsequent reproductive performance and lifetime performance between nurse sows and non-nurse sows at different parities in Spanish pig herds**

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Effect of dietary fish oil supplementation on ketotic dairy cows' reproductive performance

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Conception rate in lactating and dry sheep after melatonin treatment, estrus synchronization and artificial insemination during non-breeding season

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Intrauterine growth retardation in pigs as important problem in livestock production

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Effectiveness of follicular cysts puncture in dairy cattle compares to hormonal treatment alone: preliminary results

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Photostimulated males are not able to induce an adequate sexual response in 7 or 10 months old female goat kids exposed to male effect, if they have low body weight

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Research of cows' reproductive ability with the feeding micronized pumpkin oil meal during the transit period

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Prospecting for new markers of physiological and pathological ovarian follicles development in the pig

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Induction of sexual activity in anestrus goats using a single or differed dose of eCG

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Is addition of seminal plasma increasing quality of frozen-thawed semen from poor freezing stallions?

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Acute Phase Protein Response in Dogs Undergoing Ovariohysterectomy, Ovariectomy and Laparoscopic Ovariectomy

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Effect of different mucolytic drugs on the viscosity of the cervical mucus and the route of F/T spermatozoa through the cervix in ewes

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Complex viability, acrosome and morphology evaluation of frozen stallion semen batches used for AI with low pregnancy outcome

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Treatment with GnRH on day 5 after AI may increase the conception rate in lactating dairy cows during the hot season

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Otocephaly in an Istrian Pramenka lamb

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Postoperative Pain and Stress in Dogs Undergoing Ovariohysterectomy, Ovariectomy and Laparoscopic Ovariectomy

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