

# BRM5220 - Equine Reproductive Physiology and Breeding Technology

View Online



[1]

Aerts, J. and Bols, P. 2010. Ovarian Follicular Dynamics: A Review with Emphasis on the Bovine Species. Part I: Folliculogenesis and Pre-antral Follicle Development. *Reproduction in Domestic Animals*. 45, 1 (Feb. 2010), 171–179.

DOI:<https://doi.org/10.1111/j.1439-0531.2008.01302.x>.

[2]

Ainsworth, C.G.V. and Hyland, J.H. 1991. Continuous infusion of gonadotrophin-releasing hormone (GnRH) advances the onset of oestrous... - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 44, (1991).

[3]

Alexander, S.L. and Irvine, C.H.G. 1991. Control of onset of breeding season in the mare and its artificial regulation by progesterone... - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 44, (1991).

[4]

Allen, W. 2001. Fetomaternal interactions and influences during equine pregnancy. *Reproduction*. 121, 4 (Apr. 2001), 513–527. DOI:<https://doi.org/10.1530/rep.0.1210513>.

[5]

Allen, W. 2002. The influence of maternal size on placental, fetal and postnatal growth in the horse. II. Endocrinology of pregnancy. *Journal of Endocrinology*. 172, 2 (Feb. 2002), 237–246. DOI:<https://doi.org/10.1677/joe.0.1720237>.

[6]

Allen WE 1975. Ovarian changes during early pregnancy in pony mares in relation to PMSG production. *Journal of reproduction and fertility. Supplement.* 23 (1975), 425-428.

[7]

ALLEN, W.E. and HADLEY, J.C. 1974. Blood Progesterone Concentrations in Pregnant and Non-pregnant Mares. *Equine Veterinary Journal.* 6, 2 (Apr. 1974), 87-93.

[8]

Allen, W.R. 1978. Control of Oestrus and Ovulation in the Mare. Control of ovulation: [proceedings of the 26th. Nottingham Easter School in Agricultural Science]. Butterworth.

[9]

Allen, W.R. 1978. Control of ovulation and oestrus in the mare. Control of ovulation: [proceedings of the 26th. Nottingham Easter School in Agricultural Science]. Butterworth.

[10]

Allen WR 1987. Extraspecific donkey-in-horse pregnancy as a model of early fetal death. *Journal of reproduction and fertility. Supplement.* 35, (1987), 197-209.

[11]

Allen, W.R. 2001. Fetomaternal interactions and influences during equine pregnancy. *Reproduction.* 121, 4 (2001).

[12]

ALLEN, W.R. et al. 1974. Further Studies on the Use of Synthetic Prostaglandin Analogues for Inducing Luteolysis in Mares. *Equine Veterinary Journal.* 6, 1 (Jan. 1974), 31-35.  
DOI:<https://doi.org/10.1111/j.2042-3306.1974.tb03925.x>.

[13]

Allen, W.R. 1982. Journal of Reproduction and Fertility. Immunological aspects of the equine endometrial cup reaction and the effect of xenogenic extra species pregnancy in horses and donkeys. 31, (1982).

[14]

Allen, W.R. 1992. The diagnosis and handling of early gestational abnormalities in the mare. Animal Reproduction Science. 28, 1-4 (Jul. 1992), 31-38.  
DOI:[https://doi.org/10.1016/0378-4320\(92\)90088-U](https://doi.org/10.1016/0378-4320(92)90088-U).

[15]

Allen, W.R. and Cooper, M.J. 1993. Prostaglandins. Equine reproduction. Lea & Febiger.

[16]

Allen, W.R. and Rowson, K.E.A. 1973. Control of the mares oestrous cycle by prostaglandins. Journal of Reproduction and Fertility. 33, (1973).

[17]

Allen, W.R. and Stewart, F. 1993. ECG. Equine reproduction. Lea & Febiger.

[18]

Alm CC 1975. The effect of a corticosteroid (dexamethasone), progesterone, oestrogen and prostaglandin F2alpha on gestation length in normal and ovariectomized mares. Journal of reproduction and fertility. Supplement. 23 (1975), 637-640.

[19]

Almahbobi, G. et al. 1988. Age related morphological and functional changes in the leydig cells of the horse. Biology of Reproduction. 38, (1988).

[20]

Amann, R.P. 1981. A review of anatomy and physiology of the stallion. *Journal of Equine Veterinary Science*. 1, 3 (May 1981), 83-105.  
DOI:[https://doi.org/10.1016/S0737-0806\(81\)80022-6](https://doi.org/10.1016/S0737-0806(81)80022-6).

[21]

Amann, R.P. 1981. Spermatogenesis in the stallion: A review. *Journal of Equine Veterinary Science*. 1, 4 (Jul. 1981), 131-139.

[22]

Amman, R.P. 1993. *Physiology and endocrinology. Equine reproduction*. Lea & Febiger.

[23]

Argo, C.M. et al. 1991. Effect of oral melatonin treatment on the seasonal physiology of pony stallions. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 44, (1991).

[24]

Arrott, C. et al. 1994. Biodegradable estradiol microspheres do not affect uterine involution or characteristics of postpartum estrus in mares. *Theriogenology*. 42, 2 (Aug. 1994), 371-384. DOI:[https://doi.org/10.1016/0093-691X\(94\)90282-8](https://doi.org/10.1016/0093-691X(94)90282-8).

[25]

Ashbury, A.C. 1991. *Examination of the mare. Equine medicine and surgery*. American Veterinary Publications.

[26]

Ashdown, R.R. and Done, S. 1987. *Color atlas of veterinary anatomy: [Vol.2]: The horse*; Raymond R. Ashdown, Stanley H. Done; photography by Susan A. Evans. Lippincott.

[27]

Ashdown, R.R. and Done, S. 1987. Color atlas of veterinary anatomy: [Vol.2]: The horse ; Raymond R. Ashdown, Stanley H. Done ; photography by Susan A. Evans. Lippincott.

[28]

Aurich, C. et al. 1994. Involvement of endogenous opioids in the regulation of LH and testosterone release in the male horse. *Journal of Reproduction and Fertility*. 102, (1994).

[29]

Aurich, C. et al. 1995. Role of Endogenous Opioids for Regulation of the Oestrous Cycle in the Horse. *Reproduction in Domestic Animals*. 30, 4 (Aug. 1995), 188-192.  
DOI:<https://doi.org/10.1111/j.1439-0531.1995.tb00144.x>.

[30]

Aurich, L. et al. 1994. Effects of the opioid antagonist naloxane on release of LH in mares during the anovulatory season. *Journal of Endocrinology*. 142, (1994).

[31]

B R Bhavnani 2013. Formation of Steroids by the Pregnant Mare. III. Metabolism of 14C-Squalene and 3H-Dehydroisoandrosterone Injected into the Fetal Circulation1 1. *Endocrinology*. (Jul. 2013).

[32]

Ball, B.A. and Brinsko, S.P. Early Embryo loss - a research update. *Modern Horse Breeding IX*.

[33]

Barbacini, S. et al. 2010. Retrospective study on the efficacy of hCG in an equine artificial insemination programme using frozen semen. *Equine Veterinary Education*. 12, 6 (Jan. 2010), 312-317. DOI:<https://doi.org/10.1111/j.2042-3292.2000.tb00067.x>.

[34]

Barnea, E.R. 2004. Insight into Early Pregnancy Events: The Emerging Role of the Embryo\*. American Journal of Reproductive Immunology. 51, 5 (May 2004), 319–322.  
DOI:<https://doi.org/10.1111/j.1600-0897.2004.00159.x>.

[35]

BARNES, R.J. et al. 1978. FOETAL AND MATERNAL PLASMA CONCENTRATIONS OF 13,14-DIHYDRO-15-OXO-PROSTAGLANDIN F IN THE MARE DURING LATE PREGNANCY AND AT PARTURITION. Journal of Endocrinology. 78, 2 (Aug. 1978), 201–215.  
DOI:<https://doi.org/10.1677/joe.0.0780201>.

[36]

Bazer, F.W. et al. 1994. Pregnancy recognition in ruminants, pigs and horses: Signals from the trophoblast. Theriogenology. 41, 1 (Jan. 1994), 79–94.  
DOI:[https://doi.org/10.1016/S0093-691X\(05\)80052-4](https://doi.org/10.1016/S0093-691X(05)80052-4).

[37]

Bazer, F.W. and Thatcher, W.W. 1977. Theory of maternal recognition of pregnancy in swine based on estrogen controlled endocrine versus exocrine secretion of prostaglandin F<sub>2α</sub> by the uterine endometrium. Prostaglandins. 14, 2 (Aug. 1977), 397–401.  
DOI:[https://doi.org/10.1016/0090-6980\(77\)90185-X](https://doi.org/10.1016/0090-6980(77)90185-X).

[38]

Beckett, S.D. et al. 1972. Corpus cavernosum penis pressure and external penile muscle activity during erection in the goat. Biology of Reproduction. 7, 3 (1972).

[39]

Belin, F. 2000. Intrafollicular Concentrations of Steroids and Steroidogenic Enzymes in Relation to Follicular Development in the Mare. Biology of Reproduction. 62, 5 (May 2000), 1335–1343. DOI:<https://doi.org/10.1095/biolreprod62.5.1335>.

[40]

Bell, R.J. and Bristol, F.M. 1987. Fertility and pregnancy loss after delay of foal oestrus with progesterone and oestradiol 17. *Journal of Reproduction and Fertility, Supplement*. 35, (1987).

[41]

Bennett-Wimbush, K. et al. 1998. The effects of perphenazine and bromocriptine on follicular dynamics and endocrine profiles in anestrus pony mares. *Theriogenology*. 49, 4 (Mar. 1998), 717-733. DOI:[https://doi.org/10.1016/S0093-691X\(98\)00021-1](https://doi.org/10.1016/S0093-691X(98)00021-1).

[42]

Bergfelt, D.R. et al. 2007. Ovulation synchronization following commercial application of ultrasound-guided follicle ablation during the estrous cycle in mares. *Theriogenology*. 68, 8 (Nov. 2007), 1183-1191. DOI:<https://doi.org/10.1016/j.theriogenology.2007.08.020>.

[43]

Bergfelt, D.R. and Adams, G.P. 1996. Ovarian synchronization following follicle ablation in mares. *Theriogenology*. 45, (1996).

[44]

Bergfelt, D.R. and Ginther, O.J. 1992. Relationships between circulating concentrations of fish and follicular waves during early pregnancy in mares. *Journal of Equine Veterinary Science*. 12, 5 (Sep. 1992), 274-279. DOI:[https://doi.org/10.1016/S0737-0806\(06\)81332-8](https://doi.org/10.1016/S0737-0806(06)81332-8).

[45]

Bergfelt, D.R. and Ginther, O.J. 1993. Relationships between FSH surges and follicular waves during the estrous cycle in mares. *Theriogenology*. 39, 4 (Apr. 1993), 781-796.

[46]

Bergfelt, D.R. and Ginther, O.J. 1993. Synchronous fluctuations of LH and FSH in plasma samples collected daily during the estrous cycle in mares. *Theriogenology*. 40, 6 (Dec. 1993), 1137-1146.

[47]

Berglund, L.A. et al. 1982. Effect of pregnancy status and collection technique on prostaglandin F in the uterine lumen of pony mares. *Journal of Reproduction and Fertility*. 32, (1982).

[48]

Berndtson, W.E. and Jones, L.S. 1989. Relationship of intratesticular testosterone content to age, spermatogenesis, sertoli cell distribution and germ cell: ratio. *Journal of Reproduction and Fertility*. 85, (1989).

[49]

Berndtson, W.E. et al. 1983. Spermatogenesis, testicular composition and the concentration of testosterone in the equine testis as influenced by season. *Theriogenology*. 20, 4 (Oct. 1983), 449-457.

[50]

Besognek, B. et al. 1996. Dopaminergic regulation of gonadotrophin secretion in seasonally anoestrus mares. *Journal of Reproduction of Fertility*. 108, (1996).

[51]

Besognek, B. et al. 1995. Prolactin secretion during the transitional phase and relationships to onset of reproductive season in mares. *Biology of Reproductive Monograph Series*. 1, (1995).

[52]

Besognet, B. et al. 1996. Dopaminergic regulation of gonadotrophin secretion in seasonally anoestrus mares. *Journal of Reproduction and Fertility*. 108, (1996).

[53]

BHAGU R. BHAVNANI 2013. Formation of Steroids by the Pregnant Mare. IV. Metabolism



14of C-Mevalonic Acid and 3H-Dehydroisoandrosterone Injected into the Fetal Circulation14. *Endocrinology*. (Jul. 2013).

[54]

Binelli, M. and Murphy, B.D. 2010. Coordinated regulation of follicle development by germ and somatic cells. *Reproduction, Fertility and Development*. 22, 1 (2010), 1–12.

[55]

Blanchard, T.L. et al. 2012. Influence of day of postpartum breeding on pregnancy rate, pregnancy loss rate, and foaling rate in Thoroughbred mares. *Theriogenology*. 77, 7 (Apr. 2012), 1290–1296. DOI:<https://doi.org/10.1016/j.theriogenology.2011.10.034>.

[56]

Blanchard, T.L. et al. 2004. Mating mares on foal heat: a five-year retrospective study. - CAB Direct. *American Association of of Equine Practitioners*. (2004).

[57]

Blanchard, T.L. et al. 1990. Pulsatile release of gonadotropins in young pony stallions. *Theriogenology*. 34, 6 (Jan. 1990), 1087–1097.

[58]

Blanchard, T.L. and Macpherson, M.L. 1993. Breeding mares on foal heat. *Equine reproduction*. Lea & Febiger.

[59]

Blue, B.J. et al. 1991. Effect of pulsatile or continuous administration of GnRH on reproductive function of stallions. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 44, (1991).

[60]

Bonnet, A. et al. 2008. Opportunities and challenges in applying genomics to the study of oogenesis and folliculogenesis in farm animals. *Reproduction*. 135, 2 (2008).

[61]

Bos, H. and van der Mey, G.J.W. 1980. Length of gestation periods of horses and ponies belonging to different breeds. *Livestock Production Science*. 7, 2 (Mar. 1980), 181–187. DOI:[https://doi.org/10.1016/0301-6226\(80\)90105-0](https://doi.org/10.1016/0301-6226(80)90105-0).

[62]

Bowling, A.T. et al. 1987. An update of chromosomal abnormalities in mares. *Journal of Reproduction and Fertility*. 35, (1987).

[63]

Boyle, M.S. et al. 1987. Distribution of spermatozoa in the mare's oviduct. *Journal of Reproduction and Fertility*. 35, (1987).

[64]

Bradecamp, E.A. 1993. Synchronisation of Ovulation. *Equine reproduction*. Lea & Febiger.

[65]

Brendemuehl, J.P. and Cross, D.L. 2000. Influence of the dopamine antagonist domperidone on the vernal transition in seasonally anoestrous mares. *Journal of Reproduction and Fertility*. 56, (2000).

[66]

Bristol, F. 1980. Oestrus synchronisation in mares. *Current therapy in theriogenology: diagnosis, treatment and prevention of reproductive diseases in animals*. Saunders.

[67]

BRYANT-GREENWOOD, G.D. 1982. Relaxin as a New Hormone\*. *Endocrine Reviews*. 3, 1 (Jan. 1982), 62–90. DOI:<https://doi.org/10.1210/edrv-3-1-62>.

[68]

Burkhardt, J. 1947. Transition from anoestrus in the mare and the effects of artificial lighting. *The Journal of Agricultural Science*. 37, 01 (Jan. 1947). DOI:<https://doi.org/10.1017/S0021859600013083>.

[69]

Burns, P.J. et al. 1981. Plasma oxytocin concentrations in cyclic mares and sexually aroused stallions. *Theriogenology*. 16, 5 (Nov. 1981), 531–539.

[70]

Burns SJ et al. 1979. Fertility of prostaglandine induced oestrus compared to normal post-partum oestrus. *Journal of Reproduction and Fertility*. 27, (1979). DOI:<https://doi.org/info:pmid/289796>.

[71]

Burns, T. et al. *Male Reproductive Tract. Equine clinical medicine, surgery, and reproduction*. Manson/Veterinary Press.

[72]

Campitelli, S. et al. 1982. Factors which influence parturition in the mare and development of the foal. *Applied Animal Ethology*. 9, 1 (Nov. 1982), 7–14. DOI:[https://doi.org/10.1016/0304-3762\(82\)90161-4](https://doi.org/10.1016/0304-3762(82)90161-4).

[73]

Carnevale, E. et al. 1999. Comparison of oocytes from young and old mares with light and electron microscopy. *Theriogenology*. 51, 1 (Jan. 1999). DOI:[https://doi.org/10.1016/S0093-691X\(99\)91858-7](https://doi.org/10.1016/S0093-691X(99)91858-7).

[74]

Carnevale, E.M. et al. 1997. Age and pasture effects on vernal transition in mares. *Theriogenology*. 47, 5 (Apr. 1997), 1009–1018.  
DOI:[https://doi.org/10.1016/S0093-691X\(97\)00058-7](https://doi.org/10.1016/S0093-691X(97)00058-7).

[75]

Caslick, E.A. 1937. The vulva and vulvo-vaginal orifice and its relation to genital tracts of the Thoroughbred mare. *Cornell Vet.* 27, (1937).

[76]

Causey, R.C. 2007. Mucus and the mare: How little we know. *Theriogenology*. 68, 3 (Aug. 2007), 386–394. DOI:<https://doi.org/10.1016/j.theriogenology.2007.04.011>.

[77]

CHAVATTE, P. et al. 2010. Biosynthesis and possible biological roles of progestagens during equine pregnancy and in the newborn foal. *Equine Veterinary Journal*. 29, S24 (Jun. 2010), 89–95. DOI:<https://doi.org/10.1111/j.2042-3306.1997.tb05084.x>.

[78]

Chavatte, P. 1997. Corticosteroid synthesis by the equine fetal adrenal. *Biology of Reproduction*. (1997).

[79]

Choi, S.J. et al. 1995. Production of estrogen conjugates and free estrogens by the pre-implantation equine embryo. *Biology of Reproduction*. 52, (1995).

[80]

Christensen, J.W. et al. 2002. Social behaviour in stallion groups (*Equus przewalskii* and *Equus caballus*) kept under natural and domestic conditions. *Applied Animal Behaviour and Science*. 76, (2002).

[81]

Claus, R. et al. 1992. Estrogens and prostaglandin F2 $\alpha$  in the semen and blood plasma of stallions. *Theriogenology*. 38, 4 (Oct. 1992), 687-693.

[82]

Clay, C.M. et al. 1988. Influences of season and artificial photoperiod on stallions: Luteinizing hormone, follicle stimulating hormone and testosterone. *Journal of Animal Science*. 66, (1988).

[83]

Clay, C.M. et al. 1989. Influences of season and artificial photoperiod on stallion's pituitary and testicular responses to exogenous GnRH. *Journal of Animal Science*. 67, (1989).

[84]

Clay, C.M. and Clay, J.N. 1992. Endocrine and testicular changes associated with season, artificial photoperiod, and the... - Abstract - Europe PubMed Central. *Veterinary Clinics of North America Equine Practice*. 8, (1992).

[85]

Cleaver, B.D. et al. 1991. Effect of constant light exposure on circulating gonadotrophin levels and hypothalamic gonadotrophin-releasing hormone (GnRH) content in the ovarie... - PubMed - NCBI. *Journal of Reproduction and Fertility, Supplement*. 44, (1991).

[86]

Colahan, P.T. 1991. *Equine medicine and surgery*. American Veterinary Publications.

[87]

Collingsworth, M.G.R. et al. 2001. Changes in plasma gonadotrophin and prolactin concentrations following castration of the pony stallion. *Theriogenology*. 55, 5 (Mar. 2001), 1171-1180. DOI:[https://doi.org/10.1016/S0093-691X\(01\)00475-7](https://doi.org/10.1016/S0093-691X(01)00475-7).

[88]

Cooper, M.J. 1981. Prostaglandins in Veterinary practice. In Practice. 3, (1981).

[89]

COX, J.E. et al. 1979. An Analysis of 500 cases of Equine Cryptorchidism. Equine Veterinary Journal. 11, 2 (Apr. 1979), 113-116.

DOI:<https://doi.org/10.1111/j.2042-3306.1979.tb01321.x>.

[90]

Cox JE 1975. Oestrone and equilin in the plasma of the pregnant mare. Journal of reproduction and fertility. Supplement. 23 (1975), 463-468.

[91]

Crowell-Davis, S.L. 2007. Sexual behavior of mares. Hormones and Behaviour. 52:1, (2007).

[92]

Crowhurst, R.C. et al. 1979. CEM. Vet Record. 104, (1979).

[93]

Cuervo-Arango, J. and Newcombe, J.R. 2008. Repeatability of preovulatory follicular diameter and uterine edema pattern in two consecutive cycles in the mare and how they are influenced by ovulation inductors. Theriogenology. 69, 6 (Apr. 2008), 681-687.

DOI:<https://doi.org/10.1016/j.theriogenology.2007.11.019>.

[94]

Cupps, P.T. 1991. Spermatogenesis. Reproduction in domestic animals. Academic Press.

[95]

Daels, P. et al. 1995. In vitro regulation of luteal function in mares. Reproduction in

Domestic Animals. 30, 4 (Aug. 1995), 211–217.  
DOI:<https://doi.org/10.1111/j.1439-0531.1995.tb00148.x>.

[96]

Daels, P.F. et al. 2000. Dopamine antagonist-induced reproductive function in anoestrous mares: gonadotrophin secretion... - Abstract - Europe PubMed Central. Journal of Reproduction and Fertility. 56, (2000).

[97]

Daels PF et al. 2000. Dopamine antagonist-induced reproductive function in anoestrous mares; gonadotrophin secretion and the effects of environmental cues. Journal of Reproduction and Fertility. 56 (2000), 173–183. DOI:<https://doi.org/info:pmid/20681129>.

[98]

DAELS, P.F. et al. 2010. Prostaglandin release and luteolysis associated with physiological and pathological conditions of the reproductive cycle of the mare: a review. Equine Veterinary Journal. 21, S8 (Jun. 2010), 29–34.

[99]

Daels, P.F. et al. 1990. Source of oestrogen in early pregnancy in the mare. Reproduction. 90, 1 (Sep. 1990), 55–61. DOI:<https://doi.org/10.1530/jrf.0.0900055>.

[100]

Daels, P.F. et al. 1991. The corpus luteum a major source of oestrogen in early pregnancy in the mare. Journal of Reproduction and Fertility. 44, (1991).

[101]

Daels, P.F. and Hughes, J.P. 1995. Fertility control using intrauterine devices: An alternative for population control in wild horses. Theriogenology. 44, 5 (Oct. 1995), 629–639.  
DOI:[https://doi.org/10.1016/0093-691X\(95\)00243-2](https://doi.org/10.1016/0093-691X(95)00243-2).

[102]

Davies Morel, M.C.G. 1999. Equine artificial insemination. CABI Publishing.

[103]

Davies Morel, M.C.G. 1999. Equine artificial insemination. CABI Publishing.

[104]

Davies Morel, M.C.G. 2015. Equine reproductive physiology, breeding and stud management. CABI.

[105]

Davies Morel, M.C.G. et al. 2002. Factors affecting gestation length in the Thoroughbred mare. *Animal Reproduction Science*. 74, 3-4 (Dec. 2002), 175-185.  
DOI:[https://doi.org/10.1016/S0378-4320\(02\)00171-9](https://doi.org/10.1016/S0378-4320(02)00171-9).

[106]

Del Campo, M.R. et al. 1990. In vitro fertilization of in vitro-matured equine oocytes. *Journal of Equine Veterinary Science*. 10, 1 (Jan. 1990), 18-22.

[107]

Depew, C.G. 1995. Horse breeding management. *Journal of Equine Veterinary Science*. 15, 5 (May 1995), 228-229. DOI:[https://doi.org/10.1016/S0737-0806\(07\)80467-9](https://doi.org/10.1016/S0737-0806(07)80467-9).

[108]

Diekman, M.A. et al. 2002. Seasonal serum concentrations of melatonin in cycling and non-cycling mares. *Journal of Animal Science*. 80, (2002).

[109]

Dinger, J.E. et al. 1981. Effect of progesterone impregnated vaginal sponges and PMSG



administration on estrus synchronization in mares. *Theriogenology*. 16, 2 (Aug. 1981), 231–237. DOI:[https://doi.org/10.1016/0093-691X\(81\)90105-9](https://doi.org/10.1016/0093-691X(81)90105-9).

[110]

doig, R.A. and Waelchi, R.O. 1993. Endometrial Biopsy. *Equine reproduction*. Lea & Febiger.

[111]

Donadeu, F. and Pedersen, H. 2008. Follicle Development in Mares. *Reproduction in Domestic Animals*. 43, (Jul. 2008), 224–231.  
DOI:<https://doi.org/10.1111/j.1439-0531.2008.01166.x>.

[112]

Douglas, R.H. et al. 1974. Induction of ovulation and multiple ovulation in seasonally-anovulatory mares with equine pituitary fractions. *Theriogenology*. 2, 6 (Dec. 1974), 133–142. DOI:[https://doi.org/10.1016/0093-691X\(74\)90063-6](https://doi.org/10.1016/0093-691X(74)90063-6).

[113]

Dowsett, K.F. et al. 1993. Seasonal variation in the estrous cycle of mares in the subtropics. *Theriogenology*. 39, 3 (Mar. 1993), 631–653.

[114]

Eagle, R.C. 2000. Characterization and Distribution of Gonadotrophs in the Pars Distalis and Pars Tuberalis of the Equine Pituitary Gland During the Estrous Cycle and Seasonal Anestrus. *Biology of Reproduction*. 63, 3 (Sep. 2000), 826–832.  
DOI:<https://doi.org/10.1095/biolreprod63.3.826>.

[115]

Easley, J. 1993. External Perineal conformation. *Equine reproduction*. Lea & Febiger. 19–26.

[116]

Eddy, E.M. 2006. The spermatozoon. Knobil and Neill's physiology of reproduction. Elsevier.

[117]

Effect of deslorelin acetate on gonadotrophin secretion and ovarian follicle development in cycling mares: 2001. <http://avmajournals.avma.org/doi/abs/10.2460/javma.2001.218.749>.

[118]

Effect of oral melatonin treatment on the seasonal physiology of pony stallions. - Abstract - Europe PubMed Central: 1991. <http://europepmc.org/abstract/med/1795254>.

[119]

Effect of sexual arousal on gonadotrophin-releasing hormone, luteinizing hormone and... - Abstract - Europe PubMed Central: 1991. <http://europepmc.org/abstract/med/1795257>.

[120]

Elhay, M. et al. 2007. Suppression of behavioural and physiological oestrus in the mare by vaccination against GnRH. Australian Veterinary Journal. 85, (2007).

[121]

Ellenberger, C. et al. 2009. Histological and Immunohistochemical Characterization of Equine Anovulatory Haemorrhagic Follicles (AHFs). *Reproduction in Domestic Animals*. 44, 3 (Jun. 2009), 395–405. DOI:<https://doi.org/10.1111/j.1439-0531.2008.01085.x>.

[122]

Evans MJ 1979. Induction of follicular development and ovulation in seasonally acyclic mares using gonadotrophin-releasing hormones and progesterone. *Journal of reproduction and fertility*. Supplement. 27 (1979), 113–121. DOI:<https://doi.org/info:pmid/383982>.

[123]

Evans MJ 1975. Serum concentrations of FSH, LH and progesterone during the oestrous cycle and early pregnancy in the mare. *Journal of reproduction and fertility. Supplement.* 23 (1975), 193-200.

[124]

Farquhar, V.J. et al. 2000. Efficacy of the gnRH agonist deslorelin acetate for inducing ovulation in mares relative to age of mare and season. *Journal of Equine Veterinary Science.* 20, 11 (Nov. 2000), 722-725.

DOI:[https://doi.org/10.1016/S0737-0806\(00\)80183-5](https://doi.org/10.1016/S0737-0806(00)80183-5).

[125]

Fay, J.E. and Douglas, R.H. 1987. Changes in thecal and granulosa cell LH and FSH receptor content associated with follicular... - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility.* 37, (1987).

[126]

Ferreira-Dias, G. et al. 2005. Seasonal reproduction in the mare: possible role of plasma leptin, body weight and immune status. *Domestic Animal Endocrinology.* 29, 1 (Jul. 2005), 203-213. DOI:<https://doi.org/10.1016/j.domaniend.2005.02.006>.

[127]

First, N. L. Synchronization of Estrus and Ovulation in the Mare with Methallibure. *Journal of Animal Science.* 36, 6, 1143-1148. DOI:<https://doi.org/10.2134/jas1973.3661143x>.

[128]

Fitzgerald, B.P. et al. 1987. Changes in LH pulse frequency and amplitude in intact mares during the transition into the breeding season. *Journal of Reproduction and Fertility.* 79, (1987).

[129]

Fitzgerald, B.P. 2000. Photoperiodic Versus Metabolic Signals as Determinants of Seasonal

Anestrus in the Mare. *Biology of Reproduction*. 63, 1 (Jul. 2000), 335–340.  
DOI:<https://doi.org/10.1095/biolreprod63.1.335>.

[130]

Fitzgerald, B.P. et al. 2002. Potential signals mediating the maintenance of reproductive activity during the non-breeding season of the mare. *Reproduction*. 59, (2002).

[131]

Fitzgerald BP 2002. Potential signals mediating the maintenance of reproductive activity during the non-breeding season of the mare. *Reproduction (Cambridge, England) Supplement*. 59, (2002), 115–129.

[132]

Flint, A.P.F. et al. 1979. The control of placental steroid synthesis at parturition in domestic animals. *Animal Reproduction Science*. 2, 1–3 (Jun. 1979), 239–251.  
DOI:[https://doi.org/10.1016/0378-4320\(79\)90050-2](https://doi.org/10.1016/0378-4320(79)90050-2).

[133]

Flood PF 1979. Oestrogens and androgens in blastocoelic fluid and cultures of cells from equine conceptuses of 10-22 days gestation. *Journal of reproduction and fertility*. Supplement. 27 (1979), 413–420.

[134]

Forsyth IA 1975. Studies on milk composition and lactogenic hormones in the mare. *Journal of reproduction and fertility*. Supplement. 23 (1975), 631–635.

[135]

Freeman, D.A. et al. 1991. Time of embryo transport through the mare oviduct. *Theriogenology*. 36, 5 (Nov. 1991), 823–830.  
DOI:[https://doi.org/10.1016/0093-691X\(91\)90348-H](https://doi.org/10.1016/0093-691X(91)90348-H).

[136]

Friedman, R. et al. 1991. The effects of increased testicular temperature on spermatogenesis in the stallion. *Journal of Reproduction and Fertility*. 44, (1991).

[137]

FUCHS, A.-R. et al. 1983. Correlation between Oxytocin Receptor Concentration and Responsiveness to Oxytocin in Pregnant Rat Myometrium: Effects of Ovarian Steroids\*. *Endocrinology*. 113, 2 (Aug. 1983), 742-749. DOI:<https://doi.org/10.1210/endo-113-2-742>.

[138]

Fuchs, A.-R. et al. 1992. Correlation of nocturnal increase in plasma oxytocin with a decrease in plasma estradiol/progesterone ratio in late pregnancy. *American Journal of Obstetrics and Gynecology*. 167, 6 (Dec. 1992), 1559-1563. DOI:[https://doi.org/10.1016/0002-9378\(92\)91739-W](https://doi.org/10.1016/0002-9378(92)91739-W).

[139]

Fukuda, T. et al. 2001. Age related changes in the testes of horses. *Equine Veterinary Journal*. 33, 1 (2001).

[140]

Gadella, B.M. et al. 2001. Capacitation and the acrosome reaction in equine sperm. *Animal Reproduction Science*. 68, 3-4 (Dec. 2001), 249-265. DOI:[https://doi.org/10.1016/S0378-4320\(01\)00161-0](https://doi.org/10.1016/S0378-4320(01)00161-0).

[141]

Ganjam, V.K. 1979. Episodic nature of the delta 4-ene and delta 5-ene steroidogenic pathways and their... *Journal of Reproduction and Fertility*. 27, (1979).

[142]

Garcia, M.C. et al. 1979. Interaction of seasonal and ovarian factors in the regulation of LH and FSH secretion in the mare. - Abstract - Europe PubMed Central. *Journal of*

Reproduction and Fertility. 27, (1979).

[143]

GARCIA, M.C. and GINTHER, O.J. 1976. Effects of Ovariectomy and Season on Plasma Luteinizing Hormone in Mares. *Endocrinology*. 98, 4 (Apr. 1976), 958–962.  
DOI:<https://doi.org/10.1210/endo-98-4-958>.

[144]

Gastal, E.L. et al. 1999. Echotextural changes in the follicular wall during follicle deviation in mares. *Theriogenology*. 52, 5 (Oct. 1999), 803–814.  
DOI:[https://doi.org/10.1016/S0093-691X\(99\)00173-9](https://doi.org/10.1016/S0093-691X(99)00173-9).

[145]

Gastal, E.L. 1999. Follicle Deviation and Intrafollicular and Systemic Estradiol Concentrations in Mares. *Biology of Reproduction*. 61, 1 (Jul. 1999), 31–39.  
DOI:<https://doi.org/10.1095/biolreprod61.1.31>.

[146]

Gastal, E.L. et al. 2004. Interrelationships among follicles during the common-growth phase of a follicular wave and capacity of individual follicles for dominance in mares. *Reproduction*. 128, 4 (Oct. 2004), 417–422. DOI:<https://doi.org/10.1530/rep.1.00259>.

[147]

Gastal, E.L. 1999. Role of Luteinizing Hormone in Follicle Deviation Based on Manipulating Progesterone Concentrations in Mares. *Biology of Reproduction*. 61, 6 (Dec. 1999), 1492–1498. DOI:<https://doi.org/10.1095/biolreprod61.6.1492>.

[148]

Gastal, M. et al. Relationships between body condition and follicle development in mares. *Journal of Animal Reproduction*. 2004, 1.

[149]

Gentry, L.R. et al. 2002. The relationship between body condition, leptin, and reproductive and hormonal characteristics of mares during the seasonal anovulatory period. *Journal of Animal Science*. 80, 10 (2002).

[150]

Gentry, L. R. 2002. High versus low body condition in mares: Interactions with responses to somatotropin, GnRH analog, and dexamethasone. *Journal of Animal Science*. 80, 12 (2002), 3277–3285. DOI:<https://doi.org/2002.80123277x>.

[151]

Gentry, L R Responses of seasonally anovulatory mares to daily administration of thyrotropin-releasing hormone and(or) gonadotropin-releasing hormone analog. *Journal of animal science*. 80, 1, 208–213. DOI:<https://doi.org/2002.801208x>.

[152]

Gentry, L. R. 2002. The relationship between body condition, leptin, and reproductive and hormonal characteristics of mares during the seasonal anovulatory period. *Journal of Animal Science*. 80, 10 (2002), 2695–2703. DOI:<https://doi.org/2002.80102695x>.

[153]

Gibbs, P.G. and Davison, K.E. 1992. A field study on reproductive efficiency of mares maintained predominately on native pasture. *Journal of Equine Veterinary Science*. 12, 4 (Jul. 1992), 219–222. DOI:[https://doi.org/10.1016/S0737-0806\(06\)81449-8](https://doi.org/10.1016/S0737-0806(06)81449-8).

[154]

Ginther, O.J. 2004. Critical Role of Insulin-Like Growth Factor System in Follicle Selection and Dominance in Mares. *Biology of Reproduction*. 70, 5 (Jan. 2004), 1374–1379. DOI:<https://doi.org/10.1095/biolreprod.103.026195>.

[155]

Ginther, O.J. 2003. Dose-Response Study of Intrafollicular Injection of Insulin-Like Growth

Factor-I on Follicular Fluid Factors and Follicle Dominance in Mares. *Biology of Reproduction*. 70, 4 (Nov. 2003), 1063–1069.  
DOI:<https://doi.org/10.1095/biolreprod.103.024844>.

[156]

GINTHER, O.J. 2010. Dynamic physical interactions between the equine embryo and uterus. *Equine Veterinary Journal*. 17, S3 (Jun. 2010), 41–47.  
DOI:<https://doi.org/10.1111/j.2042-3306.1985.tb04592.x>.

[157]

Ginther, O.J. 2002. Follicle and Endocrine Dynamics During Experimental Follicle Deviation in Mares. *Biology of Reproduction*. 67, 3 (Sep. 2002), 862–867.  
DOI:<https://doi.org/10.1095/biolreprod.102.004309>.

[158]

Ginther, O.J. 2001. Follicle Selection in Monovular Species. *Biology of Reproduction*. 65, 3 (Sep. 2001), 638–647. DOI:<https://doi.org/10.1095/biolreprod65.3.638>.

[159]

Ginther, O.J. 2003. In Vivo Effects of an Intrafollicular Injection of Insulin-Like Growth Factor 1 on the Mechanism of Follicle Deviation in Heifers and Mares. *Biology of Reproduction*. 70, 1 (Sep. 2003), 99–105. DOI:<https://doi.org/10.1095/biolreprod.103.021949>.

[160]

Ginther, O.J. et al. 2003. Mechanism of follicle deviation in monovular farm species. *Animal Reproduction Science*. 78, 3–4 (Oct. 2003), 239–257.  
DOI:[https://doi.org/10.1016/S0378-4320\(03\)00093-9](https://doi.org/10.1016/S0378-4320(03)00093-9).

[161]

Ginther, O.J. 1992. Reproductive biology of the mare: basic and applied aspects. *Equiservices*.



[162]

Ginther, O.J. 1992. Reproductive biology of the mare: basic and applied aspects. Equiservices.

[163]

Ginther, O.J. et al. 2004. Seasonal influence on equine follicle dynamics. The Journal of Animal Reproduction. 1, (2004).

[164]

GINTHER, O.J. 1989. Twin embryos in mares II: post fixation embryo reduction. Equine Veterinary Journal. 21, 3 (May 1989), 171-174.  
DOI:<https://doi.org/10.1111/j.2042-3306.1989.tb02134.x>.

[165]

Ginther, O.J. 1982. Twinning in mares: A review of recent studies. Journal of Equine Veterinary Science. 2, 4 (Jul. 1982), 127-135.  
DOI:[https://doi.org/10.1016/S0737-0806\(82\)80005-1](https://doi.org/10.1016/S0737-0806(82)80005-1).

[166]

Ginther, O.J. 1995. Ultrasonic imaging and animal reproduction: Book 2: Horses. Equiservices Publishing.

[167]

Ginther, O.J. 1995. Ultrasonic imaging and animal reproduction: Book 2: Horses. Equiservices Publishing.

[168]

Ginther, O.J. and Bergfelt, D.R. 1993. Growth of small follicles and concentrations of FSH during the equine oestrus cycle. Journal of Reproduction and Fertility. 99, (1993).

[169]

Ginther, O.J. and Griffin, P.G. 1994. Natural outcome and ultrasonic identification of equine fetal twins. *Theriogenology*. 41, 5 (Jan. 1994), 1193-1199.  
DOI:[https://doi.org/10.1016/S0093-691X\(05\)80041-X](https://doi.org/10.1016/S0093-691X(05)80041-X).

[170]

Ginther, O.J. and Pierson, R.A. 1983. Ultrasonic evaluation of the reproductive tract of the mare; principles, equipment, and techniques. *Journal of Equine Veterinary Science*. 3, 6 (Jan. 1983), 195-201. DOI:[https://doi.org/10.1016/S0737-0806\(83\)80014-8](https://doi.org/10.1016/S0737-0806(83)80014-8).

[171]

Ginther, O.J. and Pierson, R.A. 1983. Ultrasonic evaluation of the reproductive tract of the mare; principles, equipment, and techniques. *Journal of Equine Veterinary Science*. 3, 6 (Jan. 1983), 195-201. DOI:[https://doi.org/10.1016/S0737-0806\(83\)80014-8](https://doi.org/10.1016/S0737-0806(83)80014-8).

[172]

Ginther, O.J. and Pierson, R.A. 1983. Ultrasonic evaluation of the reproductive tract of the mare; principles, equipment, and techniques. *Journal of Equine Veterinary Science*. 3, 6 (Jan. 1983), 195-201. DOI:[https://doi.org/10.1016/S0737-0806\(83\)80014-8](https://doi.org/10.1016/S0737-0806(83)80014-8).

[173]

Goff, A.K. et al. 1987. Oxytocin stimulation of plasma 15-keto-13,14-dihydro prostaglandin F-2 alpha during the... - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 35, (1987).

[174]

Goff AK 1987. Oxytocin stimulation of plasma 15-keto-13,14-dihydro prostaglandin F-2 alpha during the oestrous cycle and early pregnancy in the mare. *Journal of reproduction and fertility*. Supplement. 35, (1987), 253-260.

[175]

Grubaugh, W. et al. 1982. Effects of pinealectomy in Pony mares. - Abstract - Europe

PubMed Central. Journal of Reproduction and Fertility. 32, (1982).

[176]

Guerin, M.V. et al. 1995. Plasma melatonin in the horse: Measurements in natural photoperiod and in acutely extended darkness throughout the year. Journal of Pineal Research. 19, 1 (Aug. 1995), 7-15.

[177]

Guerin, M.V. and Wang, X.J. 1994. Environmental temperature has an influence on timing of the first ovulation of seasonal estrus in the mare. Theriogenology. 42, 6 (Nov. 1994), 1053-1060.

[178]

Hafez, B. and Hafez, E.S.E. 2000. Reproduction in farm animals. Lippincott Williams & Wilkins.

[179]

Hamon M 1991. Production of 5 alpha-dihydroprogesterone during late pregnancy in the mare. Journal of reproduction and fertility. Supplement. 44, (1991), 529-535.

[180]

Hamon M 1991. Production of 5 alpha-dihydroprogesterone during late pregnancy in the mare. Journal of reproduction and fertility. Supplement. 44, (1991), 529-535.

[181]

Handler, J. et al. 2006. Seasonal effects on attempts to synchronize estrus and ovulation by intravaginal application of progesterone-releasing device (PRID™) in mares. Theriogenology. 65, 6 (Apr. 2006), 1145-1158.  
DOI:<https://doi.org/10.1016/j.theriogenology.2005.07.013>.

[182]

Hansen TR 1999. Mechanism of action of interferon-tau in the uterus during early pregnancy. *Journal of reproduction and fertility. Supplement.* 54, (1999), 329–339.

[183]

HARDING, R. 2010. Fetal pulmonary development: the role of respiratory movements. *Equine Veterinary Journal.* 29, S24 (Jun. 2010), 32–39.  
DOI:<https://doi.org/10.1111/j.2042-3306.1997.tb05076.x>.

[184]

Harrison, L.A. et al. 1991. Comparison of HCG, buserelin and luprostirol for induction of ovulation in cycling mares. *Journal of Equine Veterinary Science.* 11, 3 (May 1991), 163–166. DOI:[https://doi.org/10.1016/S0737-0806\(07\)80039-6](https://doi.org/10.1016/S0737-0806(07)80039-6).

[185]

Harrison, L A Use of gonadotropin-releasing hormone for hastening ovulation in transitional mares. *Journal of animal science.* 68, 3, 690–699. DOI:<https://doi.org//1990.683690x>.

[186]

Hay, M.E. et al. 1975. The distribution of  $\Delta^5$  3 $\beta$  – hydroxysteroid dehydrogenase in the Graafian follicle of the mare. *Journal of Reproduction and Fertility.* 23, (1975).

[187]

Heap, R.B. et al. 1982. Studies on oestrogen synthesis by pre-implantation equine conceptus. *Journal of Reproduction and Fertility.* 32, (1982).

[188]

Hedburg, Y. et al. 2006. A preliminary study on the induction of dioestrous ovulation in the mare--a possible method for inducing prolonged luteal phase. *Acta Veterinaria Scandinavica.* 26, (2006).

[189]

Heidler, B. et al. 2003. Effects of lactation on metabolic and reproductive hormones in Lipizzaner mares. *Domestic Animal Endocrinology*. 25, 1 (Jul. 2003), 47-59.  
DOI:[https://doi.org/10.1016/S0739-7240\(03\)00044-4](https://doi.org/10.1016/S0739-7240(03)00044-4).

[190]

Hemberg, E. et al. 2005. Retrospective Study on Vulvar Conformation in Relation to Endometrial Cytology and Fertility in Thoroughbred Mares. *Journal of Veterinary Medicine Series A*. 52, 9 (Nov. 2005), 474-477.  
DOI:<https://doi.org/10.1111/j.1439-0442.2005.00760.x>.

[191]

Hershman L 1979. The critical period for the maternal recognition of pregnancy in pony mares. *Journal of reproduction and fertility. Supplement*. 27 (1979), 395-401.

[192]

Hess, M.F. and Roser, J.F. 2001. The effects of age, season and fertility status on plasma and intratesticular insulin-like growth factor I concentration in stallions. *Theriogenology*. 56, 5 (Sep. 2001), 723-733. DOI:[https://doi.org/10.1016/S0093-691X\(01\)00602-1](https://doi.org/10.1016/S0093-691X(01)00602-1).

[193]

High verses low body condition in mares, interactions with responses to somatotropin, GnRH analog, and dexamethasone: 2002.  
<https://dl.sciencesocieties.org/publications/jas/abstracts/80/12/3277>.

[194]

Hillman RB 1979. Hormonal changes in the mare and foal associated with oxytocin induction of parturition. *Journal of reproduction and fertility. Supplement*. 27 (1979), 541-546.

[195]

Hochereau-de-Reviers, M.T. 1990. Spermatogenesis in mammals and birds. *Marshall's Physiology of reproduction: Vol.2: Reproduction in the male*. Churchill Livingstone.

[196]

HOCHI, S. et al. 2010. The hatching process of equine embryos in vitro. *Equine Veterinary Journal*. 25, S15 (Jun. 2010), 91-94.  
DOI:<https://doi.org/10.1111/j.2042-3306.1993.tb04836.x>.

[197]

Hodge SL 1982. Influence of photoperiod on the pregnant and postpartum mare. *American journal of veterinary research*. 43, 10 (1982), 1752-1755.

[198]

Hoffman, L.S. et al. 1987. Circadian circchoral and seasonal variation in patterns of gonadotrophin secretion in geldings. *Journal of Reproduction and Fertility*. 35, (1987), 51-58.

[199]

Holtan DW 1979. Effect of ovariectomy on pregnancy in mares. *Journal of reproduction and fertility*. Supplement. 27 (1979), 457-463.

[200]

Holtan, D.W. et al. 1977. Estrus, ovulation and conception following synchronisation with progesterone, prostaglandin F2x and human chorionic gonadotrophin in pony mares. *Journal of Animal Science*. 44, 3 (1977).

[201]

Holtan, D.W. et al. 1975. Plasma progestagens in pregnant mares. *Journal of Reproduction and Fertility*. 23, (1975).

[202]

Holtan DW 1991. Plasma progestagens in the mare, fetus and newborn foal. *Journal of reproduction and fertility*. Supplement. 44, (1991), 517-528.

[203]

Houghton E 1991. Plasma progestagen concentrations in the normal and dysmature newborn foal. *Journal of reproduction and fertility. Supplement.* 44, (1991), 609-617.

[204]

Howell, C. E. Environmental Sources of Variation in the Gestation Length of the Horse. *Journal of Animal Science.* 10, 4, 789-796. DOI:<https://doi.org/10.2134/jas1951.104789x>.

[205]

Hsueh, A.J.W. et al. 2000. Hormonal regulation of early follicular development in the rat ovary. *Molecular and cellular endocrinology.* 163, (2000).

[206]

Hyland JH 1987. Infusion of gonadotrophin-releasing hormone (GnRH) induces ovulation and fertile oestrus in mares during seasonal anoestrus. *Journal of reproduction and fertility. Supplement.* 35, (1987), 211-220.

[207]

Hyland, J.H. and Jeffcott, L.B. 1988. Control of transitional anestrus in mares by infusion of gonadotropin releasing hormone. *Theriogenology.* 29, 6 (Jun. 1988), 1383-1391. DOI:[https://doi.org/10.1016/0093-691X\(88\)90019-2](https://doi.org/10.1016/0093-691X(88)90019-2).

[208]

Imboden, I. et al. 2006. Influence of immunization against GnRH on reproductive cyclicity and estrous behavior in the mare. *Theriogenology.* 66, 8 (2006).

[209]

Imboden, I. et al. 2006. Influence of immunization against GnRH on reproductive cyclicity and estrous behavior in the mare. *Theriogenology.* 66, 8 (2006).

[210]

Influence of season and age on reproductive activity in pony mares on the basis of a slaughterhouse survey: 1981.

<https://dl.sciencesocieties.org/publications/jas/abstracts/52/1/JAN0520010119>.

[211]

Ionata, L.M. et al. 1991. Effect of supplementary sexual preparation on semen characteristics of stallions. *Theriogenology*. 36, 6 (Dec. 1991), 923-937.

DOI:[https://doi.org/10.1016/0093-691X\(91\)90318-8](https://doi.org/10.1016/0093-691X(91)90318-8).

[212]

Irvine, C.H. and Alexander, S.L. 1993. Secretory patterns and rates of gonadotropin-releasing hormone, follicle-stimulating hormone, and luteinizing hormone revealed by intensive sampling of pituitary venous blood in the luteal phase mare. *Endocrinology*. 132, 1 (Jan. 1993), 212-218.

[213]

Irvine, C.H.G. 1986. GnRH. *Journal of Equine Veterinary Science*. 6, (1986).

[214]

Irvine, C.H.G. 1984. Gonadotrophin-releasing hormone. *Journal of Equine Veterinary Science*. 3, (1984).

[215]

Irvine, C.H.G. et al. 1986. Seasonal variation in the feedback of sex steroid hormones on serum LH concentration in the male horse. *Journal of Reproduction and Fertility*. 76, (1986).

[216]

Irvine, C.H.G. and Alexander, S.L. 1987. A novel technique for measuring hypothalamic and



pituitary hormone secretion rates from collection of pituitary venous effluent in the normal horse. *Journal of Endocrinology*. 113, 2 (May 1987), 183–192.

[217]

Irvine, C.H.G. and Alexander, S.L. 1993. GnRH. *Equine reproduction*. Lea & Febiger.

[218]

Irvine, C.H.G. and Alexander, S.L. 1994. The dynamics of gonadotrophin-releasing hormone, LH and FSH secretion during the spontaneous ovulatory surge of the mare as revealed by intensive sampling of pituitary venous blood. *Journal of Endocrinology*. 140, 2 (Feb. 1994), 283–295.

[219]

Ishii, M. et al. 2001. Reproductive performance and factors that decrease pregnancy rate in heavy draft horses bred at the foal heat. *Journal of Equine Veterinary Science*. 21, 3 (Mar. 2001), 131–136. DOI:[https://doi.org/10.1016/S0737-0806\(01\)70109-8](https://doi.org/10.1016/S0737-0806(01)70109-8).

[220]

Jainudeen, M.R. and Hafez, E.S.E. 2000. *Gestation, Prenatal Physiology and Parturition. Reproduction in farm animals*. Lippincott Williams & Wilkins.

[221]

Jeffcott, L.B. and Whitwell, K.E. 1973. Twinning as a cause of foetal and neonatal loss in the Thoroughbred mare. *Journal of Comparative Pathology*. 83, 1 (Jan. 1973), 91–106. DOI:[https://doi.org/10.1016/0021-9975\(73\)90032-7](https://doi.org/10.1016/0021-9975(73)90032-7).

[222]

Jöchle W 1987. Release of LH, FSH and GnRH into pituitary venous blood in mares treated with a PGF analogue, luprostitol, during the transition period. *Journal of reproduction and fertility. Supplement*. 35, (1987), 261–267.

[223]

Jöchle, W. and Trigg, T.E. 1994. Control of Ovulation in the Mare With Ovuplant™. A Short-Term Release Implant (STI) Containing The GnRH Analogue Deslorelin Acetate: Studies from 1990 to 1994. (A Review). *Journal of Equine Veterinary Science*. 14, 12 (Dec. 1994), 632–644. DOI:[https://doi.org/10.1016/S0737-0806\(06\)81681-3](https://doi.org/10.1016/S0737-0806(06)81681-3).

[224]

Johnson, A.L. 1986. Serum Concentrations of Prolactin, Thyroxine and Triiodothyronine Relative to Season and the Estrous Cycle in the Mare. *Journal of Animal Science*. 62, 4 (1986). DOI:<https://doi.org/doi:10.2527/jas1986.6241012x>.

[225]

Johnson, C.A. et al. 2000. Prolonged interovulatory interval and hormonal changes in mares following the use of Ovuplant™ to hasten ovulation. *Journal of Equine Veterinary Science*. 20, 5 (May 2000), 331–336. DOI:[https://doi.org/10.1016/S0737-0806\(00\)70421-7](https://doi.org/10.1016/S0737-0806(00)70421-7).

[226]

Johnson, L. et al. 1991. Effect of age and season on the establishment of spermatogenesis in the horse. *Journal of Reproduction and Fertility*. 44, (1991), 87–97.

[227]

Johnson, L. et al. 1991. Season but not age affects Sertoli cell numbers in adult stallions. *Biology of Reproduction*. 45, (1991).

[228]

Johnson, L. 1991. Seasonal differences in equine spermatogenesis. *Biology of Reproduction*. 44, (1991).

[229]

Johnson, L. 1977. *Spermatogenesis. Reproduction in domestic animals*. Academic Press.

[230]

Johnson, L. and Neaves, W.B. 1981. Age-related changes in the leydig cell population, simiferous tubules and sperm production in stallions. *Biology of Reproduction*. 24, (1981).

[231]

Johnson, L. and Thompson, D.L. 1983. Age related and seasonal variation in sertoli cell population daily spermatozoa production and serum concentrations of FSH, LH, and testosterone in stallions. *Biology of Reproduction*. 29, (1983).

[232]

Johnson, L. and Thompson, D.L. 1983. Age-related and seasonal variation in the Sertoli cell population, daily sperm production and serum concentrations of follicle stimulating hormone, luteinising hormone and testosterone in stallions. *Biology of Reproduction*. 29, (1983).

[233]

K. Bennett-Wimbush<sup>1</sup>, W.E. Loch<sup>2</sup>, H. Plata-Madrid<sup>2</sup>, T. Evans<sup>3</sup> The effects of perphenazine and bromocriptine on follicular dynamics and endocrine profiles in anestrus pony mares. The effects of perphenazine and bromocriptine on follicular dynamics and endocrine profiles in anestrus pony maresRecommended articlesDownload PDFs. 49, 4, 717-733. DOI:[https://doi.org/10.1016/S0093-691X\(98\)00021-1](https://doi.org/10.1016/S0093-691X(98)00021-1).

[234]

Kalra, S.P. and Kalra, P.S. 1986. Do testosterone and estradiol 17 enforce stimulation of luteinising hormone-releasing hormone secretion. *Biology of Reproduction*. 41, (1986).

[235]

Kenney, R.M. 1978. Endometrial biopsy technique and classification according to interpretation. *Proc Soc Theriogenology*. (1978).

[236]

Kesler, D.J. and Lock, T.F. 1998. Effect of Altrenogest Treatment to Early Postpartum Mares on Reproductive Performance of the Mare and Health, Growth and Development of the Foal. *Journal of Applied Animal Research*. 14, 1 (Sep. 1998), 51-56.  
DOI:<https://doi.org/10.1080/09712119.1998.9706215>.

[237]

Kilmer, D.N. et al. 1982. Melatonin rhythms in Pony mares and foals. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 32, (1982).

[238]

Kindahl H 1982. Progesterone, prostaglandin F-2 alpha, PMSG and oestrone sulphate during early pregnancy in the mare. *Journal of reproduction and fertility*. Supplement. 32, (1982), 353-359.

[239]

King, S.S. et al. 2008. Seasonal relationships between dopamine D1 and D2 receptor and equine FSH receptor mRNA in equine ovarian epithelium. *Animal Reproduction Science*. 108, 1-2 (Oct. 2008), 259-266. DOI:<https://doi.org/10.1016/j.anireprosci.2007.08.007>.

[240]

King, S.S. et al. 2008. Seasonal relationships between dopamine D1 and D2 receptor and equine FSH receptor mRNA in equine ovarian epithelium. *Animal Reproduction Science*. 108, 1-2 (Oct. 2008), 259-266. DOI:<https://doi.org/10.1016/j.anireprosci.2007.08.007>.

[241]

Klein, C. et al. 2010. Transcriptional Profiling of Equine Endometrium During the Time of Maternal Recognition of Pregnancy. *Biology of Reproduction*. 83, 1 (Jul. 2010), 102-113.  
DOI:<https://doi.org/10.1095/biolreprod.109.081612>.

[242]

Knottenbelt, D.C. 2003. *Equine stud farm medicine and surgery*. W. B. Saunders.

[243]

Knottenbelt, D.C. 2003. Equine stud farm medicine and surgery. W. B. Saunders.

[244]

Koets, A.P. 1995. The equine endometrial cup reaction: A review. *Veterinary Quarterly*. 17, 1 (Mar. 1995), 21–29. DOI:<https://doi.org/10.1080/01652176.1995.9694525>.

[245]

Kooistra LH 1975. Effect of photoperiod on reproductive activity and hair in mares. *American journal of veterinary research*. 36, 10 (1975), 1413–1419.

[246]

Korenman, S.G. 1998. New insights into erectile dysfunction: a practical approach. *The American Journal of Medicine*. 105, 2 (Aug. 1998), 135–144.

[247]

Kosiniak, K. 1975. Characteristics of the successive jets of ejaculated semen of stallions. *Journal of Reproduction and Fertility*. 23, (1975), 59–61.

[248]

Kubiak, J.R. et al. 1987. The influence of energy intake and percentage of body fat on the reproductive performance of nonpregnant mares. *Theriogenology*. 28, 5 (Nov. 1987), 587–598. DOI:[https://doi.org/10.1016/0093-691X\(87\)90275-5](https://doi.org/10.1016/0093-691X(87)90275-5).

[249]

Lamming, G.E. and Mann, G.E. 1995. Control of endometrial oxytocin receptors and prostaglandin F<sub>2</sub> production in cows by progesterone and oestradiol. *Reproduction*. 103, 1 (Jan. 1995), 69–73. DOI:<https://doi.org/10.1530/jrf.0.1030069>.

[250]

Lang, A.L. et al. Circadian patterns of plasma LH, and testosterone concentrations in stallions in summer and winter. Proceedings of the 14th Equine Nutrition and Physiology Symposium ... - Google Books.

[251]

Lapin, D.J. and Ginther, O.J. 1977. Induction of ovulation and multiple ovulations in seasonally-anovulatory mares with equine pituitary extract. Journal of Animal Science. 44, (1977).

[252]

Le Blanc, M.M. 1993. Endoscopy. Equine reproduction. Lea & Febiger.

[253]

LeBLANC, M.M. 2010. Identification and treatment of the compromised equine fetus: A clinical perspective. Equine Veterinary Journal. 29, S24 (Jun. 2010), 100-103.  
DOI:<https://doi.org/10.1111/j.2042-3306.1997.tb05086.x>.

[254]

LeBLANC, M.M. 2010. Identification and treatment of the compromised equine fetus: A clinical perspective. Equine Veterinary Journal. 29, S24 (Jun. 2010), 100-103.  
DOI:<https://doi.org/10.1111/j.2042-3306.1997.tb05086.x>.

[255]

Levy, I. and Duchamp, G. 2007. A Single Subcutaneous Administration of Buserelin Induces Ovulation in the Mare: Field Data. Reproduction in Domestic Animals. 42, 5 (Oct. 2007), 550-554. DOI:<https://doi.org/10.1111/j.1439-0531.2006.00822.x>.

[256]

Little, T.V. and Woods, G.L. 1987. Ultrasonography of accessory sex glands in the stallion. Journal of Reproduction and Fertility. 35, (1987).

[257]

Lopate, C. et al. 2003. The Stallion. Equine stud farm medicine and surgery. W. B. Saunders.

[258]

Love, C.C. et al. 1991. Evaluation of measures taken by ultrasonography and caliper to estimate testicular volume and... Journal of Reproduction and Fertility. 44, (1991).

[259]

Loy RG 1979. Sources of variation in response intervals after prostaglandin treatment in mares with functional corpora lutea. Journal of reproduction and fertility. Supplement. 27 (1979), 229-235.

[260]

Loy, R. G. Effects of Exogenous Progestogens on Reproductive Phenomena in Mares. Journal of Animal Science. 25, 3, 821-826. DOI:<https://doi.org/10.2134/jas1966.253821x>.

[261]

Lübbecke, M. et al. 1994. Attempts to Synchronize Estrus and Ovulation in Mares Using Progesterone (CIDR-B) and GnRH-Analog Deslorelin. Reproduction in Domestic Animals. 29, 3 (Jun. 1994), 305-314. DOI:<https://doi.org/10.1111/j.1439-0531.1994.tb00563.x>.

[262]

Madill, S. 2002. Reproductive considerations: mare and stallion. Veterinary Clinic of North America Equine Practice. 18, 3 (2002).

[263]

Magistrini, M. et al. 1995. Nuclear magnetic resonance analysis of stallion genital tract fluids and seminal plasma: contribution of the accessory sex glands to the ejaculate.

Biology of Reproduction, Monograph Equine Reproduction VI. (1995).

[264]

MALMGREN, L. et al. 2010. Effect of GnRH immunisation on hormonal levels, sexual behaviour, semen quality and testicular morphology in mature stallions. *Equine Veterinary Journal*. 33, 1 (Jan. 2010), 75–83. DOI:<https://doi.org/10.2746/042516401776767340>.

[265]

Mann, T. 1975. Biochemistry of Stallion Semen. *Journal of Reproduction and Fertility, Supplement*. 23, (1975).

[266]

Marković, D. et al. 2003. Seasonality, folliculogenesis and luteogenesis in mare ovaries. *Medicine and Biology*. 10, 3 (2003).

[267]

Marshall, F.H.A. and Lamming, G.E. 1990. The mammalian spermatozoon. Morphology, biochemistry and physiology. *Marshall's Physiology of reproduction: Vol.2: Reproduction in the male*. Churchill Livingstone.

[268]

Mather EC 1979. The use of fibre-optic techniques in clinical diagnosis and visual assessment of experimental intrauterine therapy in mares. *Journal of reproduction and fertility, Supplement*. 27 (1979), 293–297.

[269]

Matzuk, M.M. 2000. Revelations of ovarian follicle biology from gene knockout mice. *Molecular and Cellular Endocrinology*. 163, 1-2 (May 2000), 61–66. DOI:[https://doi.org/10.1016/S0303-7207\(99\)00241-5](https://doi.org/10.1016/S0303-7207(99)00241-5).

[270]



McAllister RA Identification of anatomic features of the equine clitoris as potential growth sites for *Taylorella equigenitalis*. *Journal of the American Veterinary Medical Association*. 196, 12, 1965–1966.

[271]

McCall, C.A. 1991. Utilizing taped stallion vocalizations as a practical aid in estrus detection in mares. *Applied Animal Behaviour Science*. 28, 4 (Jan. 1991), 305–310. DOI:[https://doi.org/10.1016/0168-1591\(91\)90162-Q](https://doi.org/10.1016/0168-1591(91)90162-Q).

[272]

McCue, P.M. et al. 2007. eFSH in clinical equine practice. *Theriogenology*. 68, 3 (Aug. 2007), 429–433. DOI:<https://doi.org/10.1016/j.theriogenology.2007.04.027>.

[273]

McCue, P.M. et al. 2002. Removal of deslorelin (Ovuplant<sup>TM</sup>) implant 48 h after administration results in normal interovulatory intervals in mares. *Theriogenology*. 58, 5 (Sep. 2002), 865–870. DOI:[https://doi.org/10.1016/S0093-691X\(02\)00923-8](https://doi.org/10.1016/S0093-691X(02)00923-8).

[274]

McDonnell, S.M. et al. 1986. Evaluation of androgenized mares as an estrus detection aid. *Theriogenology*. 26, 2 (1986).

[275]

McDonnell, S.M. et al. 1987. Pharmacological manipulation of sexual behaviour in stallions. *Journal of Reproduction and Fertility*. 35, (1987).

[276]

McDonnell, S.M. 2000. Reproductive behavior of stallions and mares: comparison of free-running and domestic in-hand breeding. *Animal Reproduction Science*. 60–61, (Jul. 2000), 211–219. DOI:[https://doi.org/10.1016/S0378-4320\(00\)00136-6](https://doi.org/10.1016/S0378-4320(00)00136-6).

[277]

McDonnell, S.M. 2000. Reproductive behavior of stallions and mares: comparison of free-running and domestic in-hand breeding. *Animal Reproduction Science*. 60-61, (Jul. 2000), 211-219. DOI:[https://doi.org/10.1016/S0378-4320\(00\)00136-6](https://doi.org/10.1016/S0378-4320(00)00136-6).

[278]

McKinnon, A.O. 2011. *Equine reproduction*. Wiley-Blackwell.

[279]

McKinnon, A.O. 1998. *Uterine Pathology. Equine diagnostic ultrasonography*. Williams & Wilkins.

[280]

McKinnon, A.O. and Carnevale, E.M. 1993. *Ultrasonography. Equine reproduction*. Lea & Febiger.

[281]

McKinnon, A.O. and Voss, J.L. 1993. *Equine reproduction*. Lea & Febiger.

[282]

McKinnon, A.O. and Voss, J.L. 1993. *Equine reproduction*. Lea & Febiger.

[283]

McKinnon, A.O. and Voss, J.L. 1993. *Equine reproduction*. Lea & Febiger.

[284]

McKinnon, A.O. and Voss, J.L. 1993. *Folliculogenesis. Equine reproduction*. Lea & Febiger.

[285]

McKinnon, A.O. and Voss, J.L. 1993. FSH and LH. Equine reproduction. Lea & Febiger.

[286]

McKinnon, A.O. and Voss, J.L. 1993. Maternal recognition of pregnancy. Equine reproduction. Lea & Febiger.

[287]

McKinnon, A.O. and Voss, J.L. 1993. Oestrogens. Equine reproduction. Lea & Febiger.

[288]

McKinnon, A.O. and Voss, J.L. 1993. Reproductive organs of the mare. Equine reproduction. Lea & Febiger. 3-19.

[289]

Melrose, PA. et al. 1990. Dopamine in the Cerebrospinal Fluid of Prepubertal and Adult Horses. Brain, Behavior and Evolution. 35, 2 (1990), 98-106.

[290]

Merchant-Larios H 1979. Ultrastructural events in horse gonadal morphogenesis. Journal of reproduction and fertility. Supplement. 27 (1979), 479-485.

[291]

Merkt, H. 2000. Reproduction management in the German Thoroughbred breeding industry. Journal of Equine Veterinary Science. 20, 12 (2000), 822-825, 868.  
DOI:[https://doi.org/10.1016/S0737-0806\(00\)80087-820013021876](https://doi.org/10.1016/S0737-0806(00)80087-820013021876).

[292]

Mermillod, P. et al. 2008. Factors affecting oocyte quality: who is driving the follicle? *Reproduction in Domestic Animals*. 43, 2 (2008).

[293]

Mihm, M. and Evans, A. 2008. Mechanisms for Dominant Follicle Selection in Monovulatory Species: A Comparison of Morphological, Endocrine and Intraovarian Events in Cows, Mares and Women. *Reproduction in Domestic Animals*. 43, (Jul. 2008), 48-56.  
DOI:<https://doi.org/10.1111/j.1439-0531.2008.01142.x>.

[294]

Mihm, M. and Evans, A. 2008. Mechanisms for Dominant Follicle Selection in Monovulatory Species: A Comparison of Morphological, Endocrine and Intraovarian Events in Cows, Mares and Women. *Reproduction in Domestic Animals*. 43, (Jul. 2008), 48-56.  
DOI:<https://doi.org/10.1111/j.1439-0531.2008.01142.x>.

[295]

M.J. Yoona, I. Boimeb, M. Colginc, K.D. Niswenderd, S.S. Kinge, M. Alvarengaf, A. Jablonka-Shariffb, C.A. Pearlb, J.F. Rosera, , The efficacy of a single chain recombinant equine luteinizing hormone (reLH) in mares: Induction of ovulation, hormone profiles, and inter-ovulatory intervals. *Domestic Animal Endocrinology*. 33, 4, 470-479.  
DOI:<https://doi.org/10.1016/j.domaniend.2007.06.001>.

[296]

Montovan, S.M. et al. 1990. The effect of a potent GnRH agonist on gonadal and sexual activity in the horse. *Theriogenology*. 33, 6 (Jun. 1990), 1305-1321.

[297]

Moor, R.M. 1968. Effect of embryo on corpus luteum function. | [POPLINE.org](https://www.poplina.org/). *Journal of Animal Science*. (1968).

[298]

Morehead, J.P. et al. 2001. Clinical experience with native GnRH therapy to hasten follicular development and first ovulation of the breeding season. *Journal of Equine*

Veterinary Science. 21, (2001).

[299]

Mumford, E L Effect of various doses of a gonadotropin-releasing hormone analogue on induction of ovulation in anestrus mares. *Journal of animal science*. 72, 1, 178-183. DOI:<https://doi.org/1994.721178x>.

[300]

Murphy, B.A. et al. 2013. Blue light from individual light masks directed at a single eye advances the breeding season in mares. *Equine Veterinary Journal*. (2013). DOI:<https://doi.org/10.1111/evj.12153>.

[301]

Naden, J. et al. 1990. Testicular growth, hormone concentrations, seminal characteristics and sexual behaviour in stallions. *Journal of Reproduction and Fertility*. 88, (1990).

[302]

Nagy, P. et al. 2004. Factors affecting plasma progesterone concentration and the retrospective determination of time of ovulation in cyclic mares. *Theriogenology*. 61, 2-3 (Jan. 2004), 203-214. DOI:[https://doi.org/10.1016/S0093-691X\(03\)00211-5](https://doi.org/10.1016/S0093-691X(03)00211-5).

[303]

Nagy, P. et al. 2000. Seasonality in mares. *Animal Reproduction Science*. 60-61, (Jul. 2000), 245-262. DOI:[https://doi.org/10.1016/S0378-4320\(00\)00133-0](https://doi.org/10.1016/S0378-4320(00)00133-0).

[304]

Nambo, Y. et al. 2002. Mechanisms responsible for increase in circulating inhibin levels at the time of ovulation in mares. *Theriogenology*. 57, 6 (Apr. 2002), 1707-1717. DOI:[https://doi.org/10.1016/S0093-691X\(02\)00683-0](https://doi.org/10.1016/S0093-691X(02)00683-0).

[305]

Neely, D.P. et al. 1979. Prostaglandin release patterns in the mare: physiological, pathophysiological, and therapeutic responses. - PubMed - NCBI. *Journal of Reproduction and Fertility*. 27, (1979).

[306]

Nequin, L.G. et al. 1993. Prolactin may play a role in stimulating the equine ovary during the spring reproductive transition. *Journal of Equine Veterinary Science*. 13, 11 (Nov. 1993), 631-635.

[307]

Nett, T.M. 1993. Estrogens. *Equine reproduction*. Lea & Febiger.

[308]

Nett TM 1975. Oestrogens, LH, PMSG, and prolactin in serum of pregnant mares. *Journal of reproduction and fertility. Supplement*. 23 (1975), 457-462.

[309]

Nett, T.M. 1993. Reproductive peptide and protein hormones. *Equine reproduction*. Lea & Febiger.

[310]

Nett, T.M. 1993. Reproductive peptide protein hormones. *Equine reproduction*. Lea & Febiger.

[311]

Newcombe J. R. 2010. Embryonic loss and abnormalities of early pregnancy. *Equine Veterinary Education*. 12, 2 (2010), 88-101.  
DOI:<https://doi.org/10.1111/j.2042-3292.2000.tb01771.x>.

[312]

Newcombe, J.R. 2002. Field observations on the use of a progesterone-releasing intravaginal device to induce estrus and ovulation in seasonally anestrous mares. *Journal of Equine Veterinary Science*. 22, 9 (Sep. 2002), 378–382.  
DOI:[https://doi.org/10.1016/S0737-0806\(02\)70016-6](https://doi.org/10.1016/S0737-0806(02)70016-6).

[313]

Newcombe, J.R. The use of progesterone releasing intravaginal devices to induce estrus and ovulation in anestrous Standardbred mares in Australia. *Equine practice (USA)*.

[314]

Nie, G.J. et al. 2001. Luteal and clinical response following administration of dinoprost tromethamine or cloprostenol at standard intramuscular sites or at the lumbosacral acupuncture points in mares. *American Journal of Veterinary Research*. 62, 8 (2001).

[315]

Nie, G.J. et al. 2003. Use of an intra-uterine glass ball protocol to extend luteal function in mares. *Journal of Equine Veterinary Science*. 23, 6 (Jun. 2003), 266–273.  
DOI:<https://doi.org/10.1053/jevs.2003.75>.

[316]

Nie, G.J. et al. 2001. Use of glass ball to suppress behavioural estrus in mares. *Proceedings of American Association of Equine Practitioners*. 47, (2001).

[317]

Niekerk, C.H. van. Nutrition and ovarian activity of mares early in the breeding season. *J Afr Vet Assoc*.

[318]

Nishikawa, Y. 1959. Studies on reproduction in horses: singularity and artificial control in reproductive phenomena. *Japan Racing Association*.

[319]

Noden, P.A. et al. 1975. The cycle of oestrus, ovulation and plasma levels of hormones in the mare. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 23, (1975).

[320]

Norman, S.T. et al. 2006. Oestrous response and follicular development in mares after treatment with an intravaginal progesterone releasing device in association with single injections of oestradiol benzoate and PGF2alpha. *Australian Veterinary Journal*. 84, (2006).

[321]

Noue, P. et al. 2001. Sexual behavior of stallions during in-hand natural service and semen collection: an observation in French studs. *Animal Reproduction Science*. 68, 3-4 (Dec. 2001), 161-169. DOI:[https://doi.org/10.1016/S0378-4320\(01\)00153-1](https://doi.org/10.1016/S0378-4320(01)00153-1).

[322]

Ousey, J.C. et al. 2005. Progestagen profiles during the last trimester of gestation in Thoroughbred mares with normal or compromised pregnancies. *Theriogenology*. 63, 7 (Apr. 2005), 1844-1856. DOI:<https://doi.org/10.1016/j.theriogenology.2004.08.010>.

[323]

Oxender WD 1977. Estrus, ovulation, and serum progesterone, estradiol, and LH concentrations in mares after an increased photoperiod during winter. *American journal of veterinary research*. 38, 2 (1977), 203-207.

[324]

Paidas, M.J. et al. 2010. A genomic and proteomic investigation of the impact of preimplantation factor on human decidual cells. *American Journal of Obstetrics and Gynecology*. 202, 5 (May 2010), 459.e1-459.e8. DOI:<https://doi.org/10.1016/j.ajog.2010.03.024>.

[325]



Palmer, E. et al. 1982. Photoperiodic stimulation of the mare during winter anoestrus. - PubMed - NCBI. Journal of Reproduction and Fertility, Supplement. 32, (1982).

[326]

Palmer E 1979. Reproductive management of mares without detection of oestrus. Journal of reproduction and fertility. Supplement. 27 (1979), 263-270.

[327]

Palmer E 1975. Synchronization of oestrus in mares with a prostaglandin analogue and HCG. Journal of reproduction and fertility. Supplement. 23 (1975), 269-274.

[328]

Palmer E 1975. Urinary oestrogen and plasma progesterone levels in non-pregnant mares. Journal of reproduction and fertility. Supplement. 23 (1975), 213-221.

[329]

Palmer, E. Uses of LHRH and analogues in the mare. Proc 11th Int Cong Anim Reprod and AI.

[330]

Palmer, E. and Driancourt, M.A. 1983. Some interactions of season of foaling, photoperiod and ovarian activity in the equine. Livestock Production Science. 10, 2 (Apr. 1983), 197-210. DOI:[https://doi.org/10.1016/0301-6226\(83\)90035-0](https://doi.org/10.1016/0301-6226(83)90035-0).

[331]

Pantke, P. et al. 1991. Changes in luteinizing hormone bioactivity associated with gonadotrophin pulses in the cycling... - Abstract - Europe PubMed Central. Journal of Reproduction and Fertility. 44, (1991).

[332]

Panzani, D. et al. 2011. Clinical use of dopamine antagonist sulpiride to advance first ovulation in transitional mares. *Theriogenology*. 75, 1 (Jan. 2011), 138–143. DOI:<https://doi.org/10.1016/j.theriogenology.2010.07.019>.

[333]

Pascoe, R.R. et al. 1987. Influence of follicular status on twinning rate in mares. *Journal of Reproduction and Fertility*. 35, (1987), 183–189.

[334]

Pascoe RR 1979. Observations on the length and angle of declination of the vulva and its relation to fertility in the mare. *Journal of reproduction and fertility*. Supplement. 27 (1979), 299–305.

[335]

Pascoe, R.R. 1979. Observations on the length and angle of declination of the vulva and its relation to fertility of the mare. *Journal of Reproduction and Fertility*. 27, (1979).

[336]

Pashen, R.L. and Allen, W.R. 1979. Endocrine changes after foetal gonadectomy and during normal and induced parturition in the mare. *Animal Reproduction Science*. 2, 1–3 (Jun. 1979), 271–288. DOI:[https://doi.org/10.1016/0378-4320\(79\)90053-8](https://doi.org/10.1016/0378-4320(79)90053-8).

[337]

Peres, K.R. et al. 2007. Effect of eFSH on Ovarian Cyclicity and Embryo Production of Mares in Spring Transitional Phase. *Journal of Equine Veterinary Science*. 27, 4 (Apr. 2007), 176–180. DOI:<https://doi.org/10.1016/j.jevs.2007.02.009>.

[338]

Perkins, N. and Grimmett, J. 2001. Pregnancy and twinning rates in Thoroughbred mares following the administration of human chorionic gonadotropin (hCG). *New Zealand Veterinary Journal*. 49, 3 (Jun. 2001), 94–100. DOI:<https://doi.org/10.1080/00480169.2001.36210>.

[339]

Pickett, B.W. et al. 1989. Management of the stallion for maximum reproductive efficiency II. Animal Reproduction Laboratory Bulletin 5.

[340]

Pickett, B.W. and Voss, J.L. Reproductive management of stallions. Proceedings of the 14th Equine Nutrition and Physiology Symposium ... - Google Books. Equine Nutrition and Physiology Society, 1995.

[341]

Pinto, C.R.F. et al. 2003. Concentrations of nitric oxide in equine preovulatory follicles before and after administration of human chorionic gonadotropin. Theriogenology. 60, 5 (Sep. 2003), 819-827. DOI:[https://doi.org/10.1016/S0093-691X\(03\)00096-7](https://doi.org/10.1016/S0093-691X(03)00096-7).

[342]

Pinto, C.R.F. et al. 2002. Effect of nitric oxide synthase inhibitors on ovulation in hCG-stimulated mares. Theriogenology. 58, 5 (Sep. 2002), 1017-1026. DOI:[https://doi.org/10.1016/S0093-691X\(02\)00932-9](https://doi.org/10.1016/S0093-691X(02)00932-9).

[343]

Pinto, C.R.F. 1993. Proestagens and Progesterone. Equine reproduction. Lea & Febiger.

[344]

POURET, E.J.M. 1982. Surgical technique for the correction of pneumo- and urovagina. Equine Veterinary Journal. 14, 3 (Jul. 1982), 249-250.

[345]

Pozar, M.A. et al. 1991. GnRH facilitates capulatory behaviour in geldings treated with test. Journal of Reproduction and Fertility. 44, (1991).

[346]

Pozar, M.A. et al. 1991. GnRH facilitates copulatory behaviour in geldings treated with testosterone. *Journal of Reproduction and Fertility*. 44, (1991).

[347]

Pupkin, M.J. et al. 1975. Effects of exogenous dehydroepiandrosterone upon fet-placental biosynthesis of estrogens and its effect upon uterine blood flow in term pregnant ewe. *American Journal of Obstetrics and Gynecology*. 23, (1975).

[348]

Pycock, J. et al. 1995. Correlation of plasma concentrations of progesterone and oestradiol with ultrasound characteristics of the uterus and duration of oestrous behaviour in the cycling mare. *Reproduction in Domestic Animals*. 30, 4 (Aug. 1995), 224–227.  
DOI:<https://doi.org/10.1111/j.1439-0531.1995.tb00150.x>.

[349]

Pycock, J. 2004. Pre-breeding checks for mares. *In Practice*. 26, 2 (Feb. 2004), 78–85.  
DOI:<https://doi.org/10.1136/inpract.26.2.78>.

[350]

Pycock, J.F. and Newcombe, J.R. 1996. Assessment of the effect of three treatments to remove intrauterine fluid on pregnancy rate in the mare. *Vet Rec*. 138, (1996).

[351]

Raeside JI 1979. A precursor role for DHA in a fetoplacental unit for oestrogen formation in the mare. *Journal of reproduction and fertility*. Supplement. 27 (1979), 493–497.

[352]

Raeside JI 1975. Patterns of urinary oestrogen excretion in individual pregnant mares. *Journal of reproduction and fertility*. Supplement. 23 (1975), 649–675.

[353]

Raz, T. et al. 2009. Comparison of the effects of eFSH and deslorelin treatment regimes on ovarian stimulation and embryo production of donor mares in early vernal transition. *Theriogenology*. 71, 9 (Jun. 2009), 1358–1366.  
DOI:<https://doi.org/10.1016/j.theriogenology.2008.09.048>.

[354]

Reef, V.B. 1998. Ultrasonography of genital tract of mare. *Equine diagnostic ultrasound*. W. B. Saunders.

[355]

Reef, V.B. 1998. Ultrasonography of genital tract of stallion. *Equine diagnostic ultrasound*. W. B. Saunders.

[356]

Reproductive physiology of the stallion II. Daily production and output of sperm: 1974.  
<https://www.animalsciencepublications.org/publications/jas/abstracts/39/4/JAN0390040732>

[357]

Ricketts, S. 1981. Bacteriological examinations of the mare's cervix: techniques and interpretation of results. *Veterinary Record*. 108, 3 (Jan. 1981), 46–51.  
DOI:<https://doi.org/10.1136/vr.108.3.46>.

[358]

Ricketts SW 1987. Role of anaerobic bacteria in equine endometritis. *Journal of reproduction and fertility*. Supplement. 35, (1987), 343–351.

[359]

Ricketts, S.W. The barren mare. Diagnosis, prognosis, prophylaxis and treatment for

genital abnormality. Part 1 and Part 2. In Practice. 11.

[360]

Ricketts, S.W. et al. 1993. Uterine and Clitored Culture. Equine reproduction. Lea & Febiger.

[361]

Rivera del Alamo, M.M. et al. 2008. Mechanisms behind intrauterine device-induced luteal persistence in mares. Animal Reproduction Science. 107, 1-2 (Aug. 2008), 94-106.  
DOI:<https://doi.org/10.1016/j.anireprosci.2007.06.010>.

[362]

Rivera del Alamo, M.M. et al. 2008. Mechanisms behind intrauterine device-induced luteal persistence in mares. Animal Reproduction Science. 107, 1-2 (Aug. 2008), 94-106.  
DOI:<https://doi.org/10.1016/j.anireprosci.2007.06.010>.

[363]

Roberts, S.J. 2012. Veterinary obstetrics and genital diseases. Literary Licensing.

[364]

Robinson SJ 2000. Modulation of oviductal transport in mares by local application of prostaglandin E2. Journal of reproduction and fertility. Supplement. 56 (2000), 587-592.

[365]

Rooney, J.R. and Sack, W.O. 1991. Rooney's guide to the dissection of the horse. Veterinary Textbooks.

[366]

Roser, J.F. 1997. Endocrine basis for testicular function in the stallion. Theriogenology. 48,

5 (Oct. 1997), 883–892. DOI:[https://doi.org/10.1016/S0093-691X\(97\)00309-9](https://doi.org/10.1016/S0093-691X(97)00309-9).

[367]

Roser, J.F. et al. 1994. Inhibin activity in the mare and stallion. *Domestic Animal Endocrinology*. 11, 1 (Jan. 1994), 87–100.

[368]

Roser, J.F. and Hughes, J.P. 1991. Prolonged pulsatile administration of gonadotrophin-releasing hormone (GnRH) to fertile stallions. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 44, (1991).

[369]

Rossdale, P.D. and Ricketts, S.W. *Equine stud farm medicine*. Baillière Tindall.

[370]

Rossdale, P.D. and Ricketts, S.W. *Equine stud farm medicine*. Baillière Tindall.

[371]

Roy, S.K. and Greenwald, G.S. 1987. In vitro steroidogenesis by primary to antral follicles in the hamster during the periovulatory period: Effects of follicle stimulating hormone, luteinizing hormone and prolactin. *Biology of Reproduction*. 37, (1987).

[372]

Rutten DR 1986. Progesterone therapy in mares with abnormal oestrous cycles. *The Veterinary record*. 119, 23 (1986), 569–571.

[373]

Samper, J.C. et al. 2007. *Current therapy in equine reproduction*. Elsevier Saunders.

[374]

Samper, J.C. et al. 2007. Current therapy in equine reproduction. Elsevier Saunders.

[375]

Samper, J.C. 2008. Induction of estrus and ovulation: Why some mares respond and others do not. *Theriogenology*. 70, 3 (Aug. 2008), 445-447.  
DOI:<https://doi.org/10.1016/j.theriogenology.2008.04.040>.

[376]

Samper, J.C. et al. 2002. Timing of induction of ovulation in mares treated with Ovuplant or Chorulon. *Journal of Equine Veterinary Science*. 22, 7 (Jul. 2002), 320-323.  
DOI:[https://doi.org/10.1016/S0737-0806\(02\)70080-4](https://doi.org/10.1016/S0737-0806(02)70080-4).

[377]

Sarwar, A. et al. 1998. Influence of parity, age, mineral and trace element-mixture supplementation on puerperal status in mares: analysis and quantification through progesterone profiles. *Veterinarski Arhive*. 68, (1998).

[378]

Scaramuzzi, R.J. and Martin, G.B. 2008. The Importance of Interactions Among Nutrition, Seasonality and Socio-sexual. Factors in the Development of Hormone-free Methods for Controlling Fertility. *Reproduction in Domestic Animals*. 43, (2008).

[379]

Scheffrahn, N.S. et al. 1980. Ovulation control in pony mares during early spring using progestins, PGF<sub>2x</sub>, hcG and GnRH. *Journal of Animal Science*. 51, (1980).

[380]

Seamens, M. et al. 1991. Gonadotrophin and steroid concentrations in jugular and testicular venous plasma in stallions... - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 44, (1991).



[381]

Searle, D. et al. 1999. Equine castration: review of anatomy, approaches, techniques and complications in normal, cryptorchid and monorchid horses. *Australian Veterinary Journal*. 77, 7 (1999).

[382]

Sharma, S. et al. 2010. Factors affecting the incidence of postpartum oestrus, ovarian activity and reproductive performance in Thoroughbred mares bred at foal heat under Indian subtropical conditions. *Theriogenology*. 74, (2010).

[383]

Sharman, O.P. 1976. Diurnal variations of plasma testosterone in stallions. *Biology of Reproduction*. 15, (1976).

[384]

Sharp DC 1975. Effects of artificial light on the oestrous cycle of the mare. *Journal of reproduction and fertility*. Supplement. 23 (1975), 241-246.

[385]

Sharp, D.C. 1993. Photoperiod. *Equine reproduction*. Lea & Febiger.

[386]

SHARP, D.C. 1988. Transition into the breeding season: clues to the mechanisms of seasonality. *Equine Veterinary Journal*. 20, 3 (May 1988), 159-161.

[387]

Sharp, D.C. and Clever, B.D. 1993. Melatonin. *Equine reproduction*. Lea & Febiger.

[388]

Sharp, D.C. and Clever, D.I. 1993. Melatonin. Equine reproduction. Lea & Febiger.

[389]

Shideler, R.K. 1993. Rectal Palpation. Equine reproduction. Lea & Febiger.

[390]

Shoemaker, C.F. et al. 1989. Safety of altrenogest in pregnant mares and on health and development of offspring. Journal of Equine Veterinary Science. 9, 2 (Jan. 1989), 69-72. DOI:[https://doi.org/10.1016/S0737-0806\(89\)80030-9](https://doi.org/10.1016/S0737-0806(89)80030-9).

[391]

SHORT, R.V. 1962. STEROIDS IN THE FOLLICULAR FLUID AND THE CORPUS LUTEUM OF THE MARE. A 'TWO-CELL TYPE' THEORY OF OVARIAN STEROID SYNTHESIS. Journal of Endocrinology. 24, 1 (Mar. 1962), 59-63.

[392]

SILBERZAHN, P. et al. 1984. Concentration Increase of Unbound Testosterone in Plasma of the Mare throughout Pregnancy. Endocrinology. 115, 1 (Jul. 1984), 416-419. DOI:<https://doi.org/10.1210/endo-115-1-416>.

[393]

Silva, P.J. et al. 1986. Changes in the hypothalamic-hypophysical axis of mares associated with seasonal reproductive recrudescences. Biology of Reproduction. 35, (1986).

[394]

Simpson, D. and Eaton-Evans, W. 1978. Sites of CEM infection. Veterinary Record. 102, 22 (Jun. 1978), 488-488.

[395]

SIROIS, J. et al. 2010. Patterns of growth and regression of ovarian follicles during the oestrous cycle and after hemiovariectomy in mares. *Equine Veterinary Journal*. 21, S8 (Jun. 2010), 43-48.

[396]

Sissener, T.R. et al. 1996. Differential suppression of endometrial prostaglandin F2alpha by the equine conceptus. *Theriogenology*. 45, 3 (Feb. 1996), 541-546.  
DOI:[https://doi.org/10.1016/0093-691X\(95\)00401-S](https://doi.org/10.1016/0093-691X(95)00401-S).

[397]

Sisson, S. 1953. *The anatomy of the domestic animals*. Saunders.

[398]

Sorensen, A.M. 1979. *Animal reproduction, principles and practices*. McGraw-Hill.

[399]

Spicer, L.J. et al. 1991. Concentrations of insulin like growth factor-1 in follicular fluid and blood plasma of mares during early and late oestrus. *Animal Reproduction Science*. 25, (1991).

[400]

Spincemaille J 1975. Some aspects of endometrial cup formation and PMSG production. *Journal of reproduction and fertility*. Supplement. 23 (1975), 415-418.

[401]

Squires, E.L. et al. 1979. Effect of successive ejaculation on stallion seminal characteristics. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 27, (1979).

[402]

Squires, E.L. 1993. Endocrinology of Pregnancy. Equine reproduction. Lea & Febiger.

[403]

Squires, E.L. et al. 1974. Ovarian changes during the oestrus cycle and pregnancy in mares. *Journal of Animal Science*. 38, 2 (1974).  
DOI:<https://doi.org/10.2134/jas1974.382330x>.

[404]

Squires, E.L. 1993. Progesterone. Equine reproduction. Lea & Febiger.

[405]

Squires, E.L. 1993. Progesterone. Equine reproduction. Lea & Febiger.

[406]

Squires, E.L. 1993. Progestin. Equine reproduction. Lea & Febiger.

[407]

Squires, E.L. et al. 1989. Reproductive performance of offspring from mares administered altrenogest during gestation. *Journal of Equine Veterinary Science*. 9, 2 (Jan. 1989), 73–76.  
DOI:[https://doi.org/10.1016/S0737-0806\(89\)80031-0](https://doi.org/10.1016/S0737-0806(89)80031-0).

[408]

Squires, E. L. Effect of an Oral Progestin on the Estrous Cycle and Fertility of Mares. *Journal of Animal Science*. 49, 3, 729–735. DOI:<https://doi.org/10.2134/jas1979.493729x>.

[409]

Squires, E. L. Relationship of Altrenogest to Ovarian Activity, Hormone Concentrations and Fertility of Mares. *Journal of Animal Science*. 56, 4, 901–910.  
DOI:<https://doi.org/10.2134/jas1983.564901x>.

[410]

Squires, E.L. Ovarian Changes during the Estrous Cycle and Pregnancy in Mares. *Journal of Animal Science*. 38, 2, 330-338. DOI:<https://doi.org/10.2134/jas1974.382330x>.

[411]

S.T. Scraba, O.J. Ginther Effects of lighting programs on onset of the ovulatory season in mares. *Theriogenology*. 24, 6, 667-679.  
DOI:[https://doi.org/10.1016/0093-691X\(85\)90165-7](https://doi.org/10.1016/0093-691X(85)90165-7).

[412]

Stabenfeldt GH 1991. An oestrogen conjugate enzyme immunoassay for monitoring pregnancy in the mare: limitations of the assay between days 40 and 70 of gestation. *Journal of reproduction and fertility*. Supplement. 44, (1991), 37-44.

[413]

Staempfli, S.A. 1993. Prostaglandins. *Equine reproduction*. Lea & Febiger.

[414]

Stanton, M.E. 1993. Uterine involution. *Equine reproduction*. Lea & Febiger.

[415]

Starbuck, G.R. et al. 1998. Endometrial oxytocin receptor and uterine prostaglandin secretion in mares during the oestrous cycle and early pregnancy. *Reproduction*. 113, 2 (Jul. 1998), 173-179. DOI:<https://doi.org/10.1530/jrf.0.1130173>.

[416]

Stevenson, K.R. et al. 1991. Measurements of oxytocin concentration in plasma and ovarian extracts during the oestrus cycle of mares. *Journal of Reproduction and Fertility*. 93, (1991).

[417]

Stewart, B.L. and Roser, J.F. 1998. Effects of age, season, and fertility status on plasma and intratesticular immunoreactive (IR) inhibin concentrations in stallions. *Domestic Animal Endocrinology*. 15, 2 (Mar. 1998), 129-139.  
DOI:[https://doi.org/10.1016/S0739-7240\(97\)00083-0](https://doi.org/10.1016/S0739-7240(97)00083-0).

[418]

Stewart, D.R. and Stabenfeldt, G. 1981. Relaxin activity in the pregnant mare. *Biology of Reproduction*. 25, (1981).

[419]

Stout, T.A.E. 2005. Modulating reproductive activity in stallions: A review. *Animal Reproduction Science*. 89, 1-4 (Oct. 2005), 93-103.  
DOI:<https://doi.org/10.1016/j.anireprosci.2005.06.015>.

[420]

Stout, T.A.E. 2005. Modulating reproductive activity in stallions: A review. *Animal Reproduction Science*. 89, 1-4 (Oct. 2005), 93-103.  
DOI:<https://doi.org/10.1016/j.anireprosci.2005.06.015>.

[421]

Stout, T.A.E. et al. 2000. Oxytocin and its endometrial receptor are integral to luteolysis in the cycling mare. *Journal of Reproduction and Fertility, Supplement*. 56, (2000).

[422]

Stout, T.A.E. and Allen, W.R. 1996. Conceptus factors involved in the maternal recognition of pregnancy in the mare. *Journal of Reproduction and Fertility, Abstract Series*. 17, (1996).

[423]

Stout, T.A.E. and Colenbrander, B. 2004. Suppressing reproductive activity in horses using GnRH vaccines, antagonists or agonists. *Animal Reproduction Science*. 82-83, (Jul. 2004), 633-643. DOI:<https://doi.org/10.1016/j.anireprosci.2004.04.009>.

[424]

Stout, T.A.E. and Colenbrander, B. 2004. Suppressing reproductive activity in horses using GnRH vaccines, antagonists or agonists. *Animal Reproduction Science*. 82-83, (Jul. 2004), 633-643. DOI:<https://doi.org/10.1016/j.anireprosci.2004.04.009>.

[425]

Strauss, S.S. et al. 1979. Localization of gonadotrophin-releasing hormone (GnRH) in the hypothalamus of ovariectomized... *Journal of Reproduction and Fertility*. 27, (1979).

[426]

Swierstra, E.E. et al. 1974. Reproductive physiology of the stallion 1. Spermatogenesis and testis composition. *Journal of Reproduction and Fertility*. 40, (1974). DOI:<https://doi.org/10.1530/jrf.0.0400113>.

[427]

Swierstra, E.E. et al. 1975. Spermatogenesis and duration of transit of spermatozoa through the excurrent ducts of stallions. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 23, (1975).

[428]

Swinker, A.M. et al. 1993. Effect of body weight and body condition score on follicular development and ovulation in mares treated with GnRH analogue. *Journal of Equine Veterinary Science*. 13, 9 (Sep. 1993), 519-520. DOI:[https://doi.org/10.1016/S0737-0806\(07\)80268-1](https://doi.org/10.1016/S0737-0806(07)80268-1).

[429]

Tanaka, Y. et al. 2000. Ovarian secretion of inhibin in mares. *Journal of Reproduction and Fertility*. 56, (2000).

[430]

Tetzke, T.A. et al. 1987. Patterns of oxytocin secretion during the oestrous cycle of the mare. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 35, (1987).

[431]

Thompson, D.L. et al. 1986. Concentrations of prolactin, luteinizing hormone and follicle stimulating hormone in the pituitary and serum of horses. Effect of sex, season and reproductive state. *Journal of Animal Science*. 63, (1986).  
DOI:<https://doi.org/10.2134/jas1986.633854x>.

[432]

Thompson, D.L. et al. 1987. Effects of month and age on prolactin concentrations in stallion serum. - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 35, (1987).

[433]

Thompson, D.L. et al. 1985. Patterns of secretion of LH, FSH, and testosterone in stallions during the summer and winter. *Journal of Animal Science*. 60, (1985).  
DOI:<https://doi.org/10.2134/jas1985.603741x>.

[434]

Thompson, D.L. et al. 1997. Prolactin administration to seasonally anoestrous mares: Reproductive, metabolic and hair-shedding responses. *Journal of Animal Science*. 75, (1997). DOI:<https://doi.org/1997.7541092x>.

[435]

Thompson, D.L. et al. 1979. Testicular measurements and reproductive characteristics in stallions. *Journal of Reproduction and Fertility*. 27, (1979), 13-17.

[436]



Thompson, D.L. and Honey, P.G. 1984. Active immunisation of prepubertal colts against estrogens, hormonal and testicular response after puberty. *Journal of Animal Science*. 51, (1984). DOI:<https://doi.org/10.2134/jas1984.591189x>.

[437]

Thompson, D.L. and Johnson, L. 1986. Concentrations of prolactin luteinizing hormone and follicle stimulating hormone in pituitary and serum of horses. Effect of sex, season and reproductive state. *Journal of Animal Science*. 63, (1986). DOI:<https://doi.org/10.2134/jas1986.633854x>.

[438]

Thomson, C. et al. 1996. Prolactin involvement with the increase in seminal volume after sexual stimulation in stallions. *Journal of Animal Science*. 74, (1996). DOI:<https://doi.org/1996.74102468x>.

[439]

Tischner, M. et al. 1974. Analysis of the pattern of ejaculation in stallions. *Journal of Reproduction and Fertility*. 41, (1974).

[440]

Troedsson, M.H.T. 1999. Uterine clearance and resistance to persistent endometritis in the mare. *Theriogenology*. 52, 3 (Aug. 1999), 461-471. DOI:[https://doi.org/10.1016/S0093-691X\(99\)00143-0](https://doi.org/10.1016/S0093-691X(99)00143-0).

[441]

Tucker, K.E. et al. 1991. In vitro steroidogenesis by granulosa cells from equine pre-ovulatory follicles. *Journal of Reproduction and Fertility*. 44, (1991).

[442]

Turkstra, J.A. et al. 2005. Effects of GnRH immunization in sexually mature pony stallions. *Animal Reproduction Science*. 86, 3-4 (Apr. 2005), 247-259. DOI:<https://doi.org/10.1016/j.anireprosci.2004.07.010>.

[443]

Turner, J.E. and Irvine, C.H. 1991. The effect of various gonadotrophin-releasing hormone regimens on gonadotrophins, follicular... *Journal of Reproduction and Fertility*. 44, (1991).

[444]

Urwin VE 1982. Pituitary and chorionic gonadotrophic control of ovarian function during early pregnancy in equids. *Journal of reproduction and fertility. Supplement*. 32, (1982), 371-381.

[445]

van Niekerk CH 1973. Progesterone treatment of mares with abnormal oestrous cycles early in the breeding season. *Journal of the South African Veterinary Medical Association*. 44, 1 (1973), 37-45.

[446]

Van Niekerk, F.E. and Van Niekerk, C.H. 1997. The effect of dietary protein on reproduction in the mare III ovarian and uterine changes during anovulatory, transitional and ovulatory periods in non-pregnant mare. *Journal of the South African Veterinary Association*. 68, (1997).

[447]

Vanderwall, D.K. et al. 2001. Reproductive performance of commercial broodmares after induction of ovulation with HCG or Ovuplant™ (deslorelin). *Journal of Equine Veterinary Science*. 21, 11 (Nov. 2001), 539-542.  
DOI:[https://doi.org/10.1016/S0737-0806\(01\)70158-X](https://doi.org/10.1016/S0737-0806(01)70158-X).

[448]

Veronesi, M.C. et al. 2003. Relationship between pharmacological induction of estrous and/or ovulation and twin pregnancy in the Thoroughbred mares. *Domestic Animal Endocrinology*. 25, 1 (Jul. 2003), 133-140.  
DOI:[https://doi.org/10.1016/S0739-7240\(03\)00052-3](https://doi.org/10.1016/S0739-7240(03)00052-3).

[449]

Villani, M. et al. 2006. Effects of Mating on Plasma Concentrations of Testosterone, Cortisol, Oestrone Sulphate and 15-Ketodihydro-PGF<sub>2</sub> in Stallions. *Reproduction in Domestic Animals*. 41, 6 (Dec. 2006), 544–548.  
DOI:<https://doi.org/10.1111/j.1439-0531.2006.00711.x>.

[450]

Vogelsang, M.M. et al. 1987. Fine structure of the follicular oocyte of the horse. *Journal of Reproduction and Fertility*. 35, (1987), 157–167.

[451]

Voss, J.L. and Pickett, B.W. 1973. The effect of nutritional supplement on conception rate in mares. *Prac Am Assoc Equine Pract.* (1973).

[452]

Walsh, C.M. et al. 2013. Blue light from light-emitting diodes directed at a single eye elicits a dose-dependent suppression of melatonin in horses. *The Veterinary Journal*. 196, 2 (May 2013), 231–235. DOI:<https://doi.org/10.1016/j.tvjl.2012.09.003>.

[453]

Watson, E. et al. 1994. Characteristics of cyclicity in maiden thoroughbred mares in the United Kingdom. *Veterinary Record*. 135, 5 (Jul. 1994), 104–106.

[454]

Watson, E.D. et al. 2000. Control of follicular development and luteal function in the mare: Effects of a GnRH antagonist. *Theriogenology*. 54, 4 (Sep. 2000), 599–609.  
DOI:[https://doi.org/10.1016/S0093-691X\(00\)00375-7](https://doi.org/10.1016/S0093-691X(00)00375-7).

[455]

Watson, E.D. et al. 1997. Immunolocalisation of oxytocin in the uterus of the mare. *Journal*

of Reproduction and Fertility, Abstract series. 20, (1997).

[456]

Watson, E.D. 2000. Post-breeding endometritis in the mare. *Animal Reproduction Science*. 60-61, (Jul. 2000), 221-232. DOI:[https://doi.org/10.1016/S0378-4320\(00\)00110-X](https://doi.org/10.1016/S0378-4320(00)00110-X).

[457]

Weber, J.A. et al. 1990. Changes in accessory sex glands of stallions after sexual preparation and ejaculation. - Abstract - Europe PubMed Central. *Journal of the American Veterinary Medical Association*. 186, 7 (1990).

[458]

Weber, J.A. et al. 1991. Prostaglandin E2 hastens oviductal transport of equine embryos. *Biology of Reproduction*. 45, (1991).

[459]

Weber, J.A. et al. 1991. Prostaglandin E2 secretion by oviductal transport-stage equine embryos. *Biology of Reproduction*. 45, (1991).

[460]

Weber, J.A. and Woods, G.L. 1992. Transrectal ultrasonography for the evaluation of stallion accessory sex glands. - Abstract - Europe PubMed Central. *Veterinary Clinics of North America, Equine Practice*. 8, (1992).

[461]

Weber, J.A. and Woods, G.L. 1993. Ultrasonic measurements of stallion accessory glands and excurrent ducts during seminal emission and ejaculation. *Biology of Reproduction*. 49, (1993).

[462]

Weber, J.A. and Woods, G.L. 1993. Ultrasonic measurements of stallion accessory glands and excurrent ducts during seminal emission and ejaculation. *Biology of Reproduction*. 49, (1993).

[463]

Weedman, B.J. et al. 1993. Comparison of circulating estradiol-17 $\beta$  and folliculogenesis during the breeding season, autumn transition and anestrus in the mare. *Journal of Equine Veterinary Science*. 13, 9 (Sep. 1993), 502-505.

[464]

Willmann, C. et al. 2011. Effects of age and altrenogest treatment on conceptus development and secretion of LH, progesterone and eCG in early-pregnant mares. *Theriogenology*. 75, 3 (Feb. 2011), 421-428.

DOI:<https://doi.org/10.1016/j.theriogenology.2010.05.009>.

[465]

Wilson, C.G. et al. 1990. Effects of repeated hCG injections on reproductive efficiency in mares. *Journal of Equine Veterinary Science*. 10, 4 (Aug. 1990), 301-308.

DOI:[https://doi.org/10.1016/S0737-0806\(06\)80015-8](https://doi.org/10.1016/S0737-0806(06)80015-8).

[466]

Wilson, T. 2001. Highly Prolific Booroola Sheep Have a Mutation in the Intracellular Kinase Domain of Bone Morphogenetic Protein IB Receptor (ALK-6) That Is Expressed in Both Oocytes and Granulosa Cells. *Biology of Reproduction*. 64, 4 (Apr. 2001), 1225-1235.

DOI:<https://doi.org/10.1095/biolreprod64.4.1225>.

[467]

Woodley SL 1979. Prolonged interovulatory interval after oestradiol treatment in mares. *Journal of reproduction and fertility*. Supplement. 27 (1979), 205-209.

[468]

Woods, G.L. 1989. Pregnancy loss. A major cause of infertility in the mare. *Equine Prac*. 11, (1989).

[469]

Worthy, K. et al. 1987. Plasma prolactin concentrations in non-pregnant mares at different times of the year and in... - Abstract - Europe PubMed Central. *Journal of Reproduction and Fertility*. 35, (1987).

[470]

Zavy JT 1979. An investigation of the uterine luminal environment of non-pregnant and pregnant pony mares. *Journal of reproduction and fertility. Supplement*. 27 (1979), 403-411.

[471]

ZAVY, M.T. et al. 1984. Endocrine Aspects of Early Pregnancy in Pony Mares: A Comparison of Uterine Luminal and Peripheral Plasma Levels of Steroids during the Estrous Cycle and Early Pregnancy\*. *Endocrinology*. 115, 1 (Jul. 1984), 214-219.  
DOI:<https://doi.org/10.1210/endo-115-1-214>.

[472]

Zavy, M.T. et al. 1982. Identification of stage-specific and hormonally induced polypeptides in the uterine protein secretions of the mare during the oestrous cycle and pregnancy. *Reproduction*. 64, 1 (Jan. 1982), 199-207. DOI:<https://doi.org/10.1530/jrf.0.0640199>.

[473]

2002. A comparative study of follicular dynamics between lactating and non-lactating mares: effect of the body condition. *Theriogenology*. 58, 2-4 (2002), 553-556.  
DOI:[https://doi.org/10.1016/S0093-691X\(02\)00851-8](https://doi.org/10.1016/S0093-691X(02)00851-8).

[474]

1991. *Biology of Reproduction*. 45, (1991).

[475]

Equine Veterinary Journal. Volume 29, Issue S24.

[476]

1975. The site of ovulation in the mare. *Journal of Reproduction and Fertility*. 23, (1975), 329-330.