

Theses, books and book chapters

1. **Brück I** (1990) Glucose metabolism in early equine embryos: The contributions of the Embden-Meyerhof pathway and the Pentose-phosphate pathway to glucose metabolism at different stages of development and the influence of progesterone-induced uterine proteins. Ph.D. thesis, Melbourne.
2. **Bøgh IB** (2004) Transvaginal ultrasound-guided follicular aspiration in the mare: A technique and its applications. Doctor of Veterinary Science thesis. ISBN: 987-7611-055-9
3. **Bøgh IB**, Greve T (2009) Assisted reproductive technologies. (Book chapter) Veterinary Reproduction and Obstetrics, 9th edition. Eds. Noakes, Timothy and England (pp 855-893), ISBN: 987-0-7020-2887-8.
4. **Hiponymus** (Bøgh H, Bøgh I, Bøgh P). (2012) Udvalgte selskabsdigte. Editor: Books on Demands, ISBN: 987-87-7145-575-5.
5. Callesen H, **Bøgh IB**, Greve T (2019) Embryo Transfer and Other Assisted Reproductive Technologies. (book chapter) Veterinary Reproduction and Obstetrics, 10th edition. Eds. Noakes, Timothy and England (pp 778-805), ISBN: 978-0-7020-7233-8.

Internationally refereed publications

1. **Brück I**, Hyland JH (1991) Measurements of glucose metabolism in single equine embryos during early development. J Reprod Fert, Suppl 44:419-425.
2. **Brück I**, Raun K, Synnestvedt B, Greve T (1992) Follicle aspiration in the mare using a transvaginal ultrasound-guided technique. Eq vet J 24:58-59.
3. **Brück I**, Hesselholt M (1992) Nierensteine als Kolikursache beim Pferd. Tierärztl Prax 20:611-614.
4. **Brück I**, Anderson G, Hyland JH (1993) Reproductive performance of Thoroughbred mares on six commercial studfarms. Austr vet J 70:299-303.
5. **Brück I** (1994) Ultraschalldiagnostik am Genitaltrakt der Stute. Pferdeheilkunde 10:161-172.
6. Grøndahl C, Høst T, **Brück I**, Viuff D, Bézard J, Greve T, Hyttel P (1995) In vitro production of equine embryos. Biol Reprod, Mono 1:299-307.
7. **Brück I**, Larsen SB, Greve T (1995) Repetitive anovulatory follicles: transvaginal aspiration as a treatment for temporary infertility. Pferdeheilkunde 11:387-392.
8. **Brück I**, Grøndahl C, Høst T, Greve T (1996) In vitro maturation of equine oocytes: Effect of follicular size, cyclic stage and season. Theriogenology 46:75-84.
9. **Brück I**, Anderson G, Hyland JH (1997) The influence of progesterone-induced proteins on glucose metabolism in early equine embryos. Theriogenology 47:441-456.
10. **Brück I**, Greve T (1997) Effect of FSH treatment and follicular removal during diestrus on the follicular dynamics of mares. Fertilität 12:224-228.
11. **Brück I**, Synnestvedt B, Greve T (1997) Repeated transvaginal OPU in unstimulated and FSH-treated mares. Theriogenology 47:1157-1167.

Publication list – Ingrid Brück Bøgh – January 2025

12. **Brück I**, Lehn-Jensen H, Yde G (1997) Spontaneous multiple ovulation and development of multiple embryonic vesicles. *Eq vet J*, Suppl 25:63-67.
13. Kyvsgaard N, Høier R, **Brück I**, Nansen P (1997) Effect of two virus inactivation methods: Electron beam irradiation and ethylenimine treatment on determination of reproductive hormones in equine plasma. *Acta Scand* 38:225-233.
14. Schou T, Bøgh HO, Willingham LA, **Brück I**, Grøndahl CG, Sørensen E, Eriksen L, Andreassen J (1997) In vitro maintenance of *Schistosoma japonicum* and surgical transfer from donor to naïve recipient pigs. *Vet Parasit* 73:129-137.
15. **Brück I**, Greve T, Hyttel P (1999) Morphology of the oocyte fixation site in the mare. *Anat Embryol* 199:21-28.
16. Einer-Jensen N, Hunter RHF, **Bøgh IB** and Greve T (1999) Temperature gradients between the jugular vein blood and rectum in anaesthetised, intubated pigs. *J Anim Physiol Anim Nutr* 82:305-310.
17. Hunter RHF, **Bøgh IB**, Einer-Jensen N, Müller S, Greve T (2000) Pre-ovulatory Graafian follicles are cooler than neighbouring stroma in pig ovaries. *Hum Reprod* 15:273-283.
18. **Brück I**, Bézard J, Baltsen M, Synnestvedt B, Couty I, Greve T, Duchamp G (2000) Effect of administering a crude equine gonadotrophin preparation to mares on follicular development, oocyte recovery and oocyte maturation in vivo. *J Reprod Fert.* 118:351-360.
19. **Bøgh I**, Høier R, Synnestvedt B, Greve T (2000) Steroid concentrations in follicular fluid aspirated repeatedly from transitional and cyclic mares. *Theriogenology* 54:877-888.
20. **Bøgh IB**, Christensen P, Dantzer V, Groot M, Thøfner ICN, Rasmussen RK, Schmidt M, Greve T (2001) Endocrine disrupting compounds: effect of octylphenol on reproduction over three generations. *Theriogenology* 55:131-150.
21. **Bøgh IB**, Baltsen M, Byskov AG, Greve T (2001) Testicular concentrations of meiosis-activating sterol are associated with normal testicular descent. *Theriogenology* 55:983-992.
22. Baltsen M, **Bøgh IB**, Byskov AG. (2001) Content of meiosis activating sterols in equine follicular fluids. *Theriogenology* 56:133-145.
23. Nielsen M, **Bøgh IB**, Schmidt M, Greve T (2001) Immunohistochemical localization of estrogen receptor- α in sex ducts and gonads of newborn piglets. *Histochemistry and Cell Biology* 115:521-526.
24. **Bøgh IB**, Bézard J, Duchamp G, Baltsen M, Daels P, Greve T (2002) In vitro maturation of in vivo aspirated equine oocytes in pure preovulatory follicular fluid. *Theriogenology* **57**:1765-1779.
25. Bézard J, **Bøgh IB**, Duchamp G, Hyttel P, Greve T (2002) Comparative evaluation of nuclear morphology of equine oocytes aspirated in vivo and stained with Hoechst and Orcein. *Cells, Tissues, Organs* 170:228-236.
26. **Bøgh I B**, Brink P, Jensen HE, Lehn-Jensen H, Greve T (2003) Ovarian function and morphology after multiple follicular punctures in the mare. *Eq vet J* 35:575-579.
27. Avery B, Strøbech L, Jakobsen T, **Bøgh I B**, Greve T (2003) In vitro maturation of bovine cumulus-oocyte complexes in undiluted follicular fluid: effect on nuclear maturation, pronucleus formation and embryo development. *Theriogenology* 59:987-999.
28. Christoffersen M, Lehn-Jensen H, **Bøgh IB** (2007) Referred vaginal pain: Cause of hypersensitivity and performance problems in mares? A clinical case study. *Journal of Equine Veterinary Science* 27:32-36.
29. Du Y, Zhang Y, Li J, Kragh PM, Kuwayama M, Ieda S, Zhang X, Schmidt M, **Bøgh IB**, Purup S, Pedersen AM, Villemoes K, Yang H, Bolund L, Vajta G (2007) Simplified cryopreservation of porcine cloned blastocysts. *Cryobiology* 54:181-187.

Publication list – Ingrid Brück Bøgh – January 2025

30. Du Y, Kragh PM, Zhang Y, Li J, Schmidt M, **Bøgh IB**, Zhang X, Purup S, Jørgensen AL, Pedersen AM, Villemoes K, Yang H, Bolund L, Vajta G (2007) Piglets born from handmade cloning, an innovative cloning method without micromanipulation. *Theriogenology* 68:1104-1110.
31. Du Y, Li J, Kragh PM, Zhang Y, Schmidt M, **Bøgh IB**, Zhang X, Purup S, Jørgensen AL, Pedersen AL, Villemoes K, Yang H, Bolund L, Vajta G (2007) Piglets born from vitrified cloned blastocysts with a simplified method of delipitation and nuclear transfer. *Cloning and Stem cells* 9(4):469-476.
32. Petersen RM, Hansen M, Avery B, **Bøgh IB** (2008) A method for chronological intravital imaging of bovine oocytes during in vitro maturation. *Microscopy and Microanalysis* 14:549-560.
33. Du Y, Lin L, Schmidt M, **Bøgh IB**, Kragh PM, Sørensen CB, Li J, Purup S, Pribenszky CS, Molnár M, Yang H, Kuwayama M, Zhang X, Yang L, Bolund L, Vajta G (2008) High hydrostatic pressure treatment of porcine oocytes before handmade cloning improves developmental competence and cryosurvival. *Cloning and Stem cells* 10 (3):325-330.
34. Li J, Svarcova O, Villemoes K, Kragh PM, Schmidt MH, **Bøgh IB**, Zhang Y, Lin L, Xue Q, Purup S, Jørgensen AL, Bolund L, Yang H, Maddox-Hyttel P, Vajta G (2008) High *in vitro* development after somatic cell nuclear transfer and trichostatin A treatment of reconstructed porcine embryos. *Theriogenology* 70 (5):800-808.
35. Kragh PM, Nielsen AL, Li J, Du Y, Lin L, Schmidt M, **Bøgh IB**, Holm IE, Jakobsen JE, Johansen MG, Purup S, Bolund L, Vajta G, Jørgensen AL (2009) Hemizygous minipigs produced by random gene insertion and handmade cloning express the Alzheimer's disease causing dominant mutation APPsw. *Transgenic Res.* 2009:18545-558
36. Schmidt M, Kragh PM, Li J, Du Y, Lin L, Liu Y, **Bøgh IB**, Winter KD, Vajta, G, Callesen H (2010) Pregnancies and piglets from large white sow recipients after two transfer methods of cloned embryos of different pig breeds. *Theriogenology* 74:1233-1240.
37. Hougaard KS, Mandrup KR, Kjaer SL, **Bøgh IB**, Rosenberg R, Wegener G (2011) Gestational chronic mild stress: Effects on acoustic startle in male offspring of rats. *Int J Devl NeuroScience* 29:495-500.
38. Morford LL, Bowman CJ, Blanset DL, **Bøgh IB**, Chellman GJ, Halpern WG, Weinbauer GF, Coogan TP (2011) Preclinical safety evaluations supporting pediatric drug development with biopharmaceuticals: strategy, challenges, current practices. *Birth Defects Res B* 89:1-23.
39. Jensen VFH, **Bøgh IB**, Lykkesfeld J (2014) Effect of insulin-induced hypoglycaemia on the central nervous system: Evidence from experimental studies. *J Neuroendocrinol* 26:123-150.
40. Jensen VFH, Mølck, AM, **Bøgh IB**, Lykkesfeld J (2014) Effect of insulin-induced hypoglycaemia on the peripheral nervous system: Focus on adaptive mechanisms, pathogenesis and histopathological changes. *J Neuroendocrinol* 26:482-496.
41. Scialli AR, Bailey G, Beyer BK, **Bøgh IB**, Breslin WJ, Chen CL, DeLise AM, Hui JY, Moffat GJ, Stewart J, Thompson KE. (2015) Potential seminal transport of pharmaceuticals to the conceptus. *Reprod Toxicol* 58:213-221.
42. Weaver ML, Grossi AB, Schützsack J, Parish J, Løgsted J, **Bøgh IB**, Cameron D, Harvey W, Festag M, Downes N, Venturella S, Schlichtiger J, Mhedhbi S, Ross V, Kissner T, Stark C, Milano S, Heining P, Sanchez-Felix M (2016) Vehicle Systems and Excipients Used in Minipig Drug Development Studies. *Toxicol Pathol* 44(3):367-372.
43. Jensen VFH, Mølck MM, Heydenreich A; Jensen KJ, Bertelsen LO, Alifrangis L, Andersen A, Søborg H, Chapman M, Lykkesfeldt J, **Bøgh IB** (2016) Histopathological nerve and skeletal muscle changes in rats subjected to persistent insulin-induced hypoglycaemia. *J Toxicol Pathol* 29:17-30.

Publication list – Ingrid Brück Bøgh – January 2025

44. Jensen VFH, Mølck AM, Mårtensson M, Strid MA, Chapman M, Lykkesfeldt J, **Bøgh IB** (2016) Assessment of implantable infusion pumps for continuous infusion of human insulin in rats: potential for group-housing. *Lab Anim* (Epub 2016 Jul 27 doi: 10.1177/0023677216660740).
45. Jensen VFH, Mølck MM, Chapman M, Alifrangis L, Andersen L, Lykkesfeldt J, **Bøgh IB**. (2017) Chronic hyperinsulinaemic hypoglycaemia in rats is accompanied by increased body weight, hyperleptinaemia, and decreased neuronal glucose transporter levels in the brain. *Int J Endocrinol* (<https://doi.org/10.1155/2017/7861236>).
46. Jensen VFH, Mølck MM, Berthelsen LO, Alifrangis L, Andersen L, Chapman M, Lykkesfeldt J, **Bøgh IB** (2017) Toxicological changes during and following persistent insulin-induced hypoglycaemia in healthy euglycaemic rats. *Basic Clin Pharmacol Toxicol*; Epub 2017 doi: 10.1111/bcpt.12769.
47. Jensen VFH, Mølck MM, Soeborg H, Nowak J, Chapman M, Lykkesfeldt J, **Bøgh IB** (2017) Proximal neuropathy and associated skeletal muscle changes resembling denervation atrophy in hind limbs of chronic hypoglycaemic rats. *Basic Clin Pharmacol Toxicol*; Epub 2017 doi: 10.1111/bcpt.12870.
48. Jensen VFH, Mølck AM, Berthelsen LO, Andersen L, Demozay D, Renaut R, **Bøgh IB**. (2017) Gestational hypoglycaemia restricts foetal growth and skeletal ossification in the rat. *J Pregnancy Child Health* 4(2):320-334 (doi:10.4172/2376-127X.1000321).
49. Jensen VFJ, Bartelt S, Mølck AM, Andersen L, Andersen S, **Bøgh IB** (2018) Insulin dosing affects plasma levels of biochemical parameters in a time-dependent manner in Sprague-Dawley rats. *Scand J Lab Anim Sci* 44(1):1-14.
50. Jensen VFH, Mølck AM, Lykkesfeldt J, **Bøgh IB** (2018) Effect of maternal hypoglycaemia during gestation on materno-foetal nutrient transfer and embryo-foetal development: Evidence from experimental studies focused primarily on the rat. *Reprod Toxicol*; 77:1-24.
51. Jensen VFH, Mølck AM, Lykkesfeldt J, Fels JJ, Andersen L4, Renaut R, McGuigan F, Åkesson K, and **Bøgh IB** (2020) Importance of gestational hypoglycaemia for foetal malformations and skeletal development in rats. *Reprod Toxicol* 91:14-26.
52. Jensen VFH, Mølck AM, **Bøgh IB**, Nowak J, Viuff B, Rasmussen C, Pedersen L, Fels J, Madsen S, McGuigan F, Tveden-Nyborg P, Åkesson K, Lykkesfeldt J (2020). Inner histopathologic hypoxia-like changes and disproportionate zone volumes in foetal growth plates following gestational hypoglycaemia in rats. *Scientific Reports* 10:5609 <https://doi.org/10.1038/s41598-020-62554-2>.
53. Jensen VFH, Mølck AM, Nowak J, Wohlfarth M, Nüsken E, Demozay D, Nüsken KD, **Bøgh IB** (2022) Placental nutrient transporters adapt during persistent maternal hypoglycaemia in rats. *PLOS ONE*, <https://doi.org/10.1371/journal.pone.0265988>.
54. Jensen VFH, Mølck AM, Nowak J, Fels JJ, Lykkesfeldt J, **Bøgh IB** (2022) Prolonged insulin-induced hypoglycaemia reduces β -cell activity rather than number in pancreatic islets in non-diabetic rats. *Scientific Reports* 12:14113. <https://doi.org/10.1038/s41598-022-18398-z>