

Tim D. Braden, PhD
Selected Publications

Okumu LA, **Braden TD**, Vail K, Simon L, Goyal HO. [Low androgen-induced penile mal-development involves altered gene expression for biomarkers for smooth muscle differentiation and a key enzyme regulating cavernous smooth muscle cell tone.](#) J Urol 192:267-273, 2014.

Nanjappa MK, Ahuja M, Dhanasekaran M, Coleman ES, **Braden TD**, Bartol FF, Bird RC, Wanders D, Judd RL, Akingbemi B. [Bisphenol A regulation of testicular endocrine function in male rats is affected by diet.](#) Toxicol Lett 225:479-487, 2014.

Okuma LA, Bruinton S, **Braden TD**, Simon L, Goyal HO. [Estrogen-induced mal-development of the penis involves down-regulation of myosin heavy chain 11 \(MYH11\) expression, a marker for smooth muscle cell differentiation.](#) Biol Reprod 87 (5) 109:1-10 (doi:10.1095/biolreprod.112.103556), 2012.

Okuma LA, Bruinton S, **Braden TD**, Simon L, Goyal HO. 2012. Estrogen-induced mal-development of the penis involves down-regulation of myosin heavy chain 11 (MYH11) expression, a marker for smooth muscle cell differentiation. Biol Reprod, 2012. (in press)

Heath JC, Abdelmageed Y, **Braden TD**, Goyal HO. [The effects of chronic ingestion of mercuric chloride on fertility and testosterone levels in male Sprague Dawley rats.](#) J Biomed Biotech article 815186, 9 pages (doi:10.1155/2012/815186), 2012.

Simon L, Avery L, **Braden TD**, Williams CS, Okumu L, Williams JW, Goyal HO. [Exposure of neonatal rats to anti-androgens induces penile mal-developments and infertility comparable to those induced by estrogens.](#) Int J Androl 35:364-376, 2012.

Braden TD. [Follicular Life, Death, and Perpetuity.](#) Biol Reprod 87(1):21, 1-2, 2012.

Mansour M, Schwartz D, Judd R, Akingbemi B, **Braden T**, Morrison E, Dennis J, Bartol FF, Hazi A, Napier I, Abdel-Mageed AB. Thiazolidinediones/PPAR γ agonists and fatty acid synthase inhibitors as an experimental combination therapy for prostate cancer. Intl J Oncology 38(2):537-546, 2011.

Hancock KD, Coleman ES, Tao Y-X, Morrison EE, **Braden TD**, Kempainen BW, Akingbemi BT. [Genistein decreases androgen biosynthesis in immature rat Leydig cells by interference with luteinizing hormone-dependent signaling.](#) Toxicol Lett 184:169-175, 2009.

Heath JC, Abdelmageed Y, **Braden TD**, Nichols AC, Steffy DA. [The effects of chronic ingestion of mercuric chloride in female Sprague Dawley rats on fertility and reproduction.](#) Food Chem Toxicol 47:1600-1605, doi:10.1016/j.fct.2009.04.007, 2009.

Goyal HO, **Braden TD**, Williams CS, Williams JW. [Estrogen-induced developmental disorders of the penis involves both estrogen receptor \(Esr\)- and androgen receptor \(Ar\)-mediated pathways.](#) Biol Reprod 81:507-516 (doi:10.1095/biolreprod.108.071951), 2009.

Mathews E, **Braden TD**, Williams CS, Williams JW, Bolden-Tiller O, Goyal HO. [Maldevelopment of the penis and loss of fertility in male rats treated neonatally with female contraceptive 17 \$\alpha\$ -ethinyl estradiol \(EE\). A dose-response study and a comparative study with a known estrogenic teratogen diethylstilbestrol \(DES\).](#) Toxicol Sci (doi:10.1093/toxsci/kfp207), 2009.

Mansour MN, Goyal HO, **Braden TD**, Dennis JC, Schwartz DD, Judd RL, Bartol FF, Coleman E, Morrison EE. 2008. [Activation of penile pro-adipogenic peroxisome proliferator-activated g \(PPARg\) with an estrogen: Interaction with estrogen receptor alpha \(ERA\) during postnatal development.](#) PPAR Research vol. 2008, Article ID 651419, 10 pages (doi:10.1155/2008/651419), 2008.

Brunson BL, Zhong Q, Clarke KJ, Bedi D, **Braden TD**, van Santen E, Judd RL. [Serum concentrations of adiponectin and characterization of adiponectin protein complexes in dogs.](#) Amer J Vet Res 68:57-62, 2007.

Goyal HO, **Braden TD**, Cooke PS, Zakroczymski MA, Williams CS, Palvi P, Williams JW. [Estrogen receptor-a mediates estrogen-inducible abnormalities in the developing penis.](#) Reproduction 133:1057-1067, 2007.

Akingbemi BT, **Braden TD**, Kempainen BW, Hancock KD, Sherrill JD, Fogley SJ, He X, Supko JG. [Exposures to phytoestrogens in the perinatal period affect androgen biosynthesis in the adult rat testis.](#) Endocrinology 148:4475-4488, 2007.

Goyal HO, **Braden TD**, Williams CS, Williams JW. [Role of estrogen in induction of penile dysmorphogenesis: a review.](#) Reproduction 134:199-208, 2007.

Goyal HO, **Braden TD**, Williams CS, Dalvi P, Mansour MM, Williams JW. Permanent induction of morphological abnormalities in the penis and penile skeletal muscles in adult rats treated neonatally with diethylstilbestrol or estradiol valerate: A dose-response study. J Androl 26:32-43, 2005.

Goyal HO, **Braden TD**, Williams CS, Dalvi P, Williams JW, Srivastava KK. Exposure of neonatal male rats to estrogen induces abnormal morphology of the penis and loss of fertility. Reprod Toxicol 18:265-274, 2004.

Nie GJ, Goodin AN, **Braden TD**, Wenzel GW. How to reduce drug costs and side effects when using prostaglandins to short-cycle mares. Proc Am Assoc Eq Pract 50:396-398, 2004.

Goyal HO, **Braden TD**, Williams CS, Dalvi P, Mansour M, Mansour M, Williams JW, Bartol F, Wiley A, Birch L, Prins G. Abnormal morphology of the penis in male rats exposed neonatally to estrogen is associated with altered profile of estrogen receptor alpha protein, but not of androgen receptor protein. A developmental and immunocytochemical study. Biol Reprod 70:1504-1517, 2004.

Nie GJ, Johnson KE, Wenzel JGW, **Braden TD**. Luteal function in mares following administration of oxytocin, cloprostenol or saline on Days 0, 1, or 2 post-ovulation. *Theriogenology* 60:1119-1125, 2003.

Looper ML, Vizcarra JA, Wettemann RP, Malayer JR, **Braden TD**, Geisert RD, Morgan GL. Influence of estradiol, progesterone, and nutrition on concentrations of gonadotropins and GnRH receptors, and abundance of mRNA for GnRH receptors and gonadotropin subunits in pituitary glands of beef cows. *J Anim Sci* 81:269-278, 2003.

Tarleton BJ, **Braden TD**, Wiley AA, Bartol FF. Estrogen-induced disruption of neonatal porcine uterine development alters adult uterine function. *Biol Reprod* 68:1387-1393, 2003.

Brown TA, **Braden TD**. Expression of insulin-like growth factor binding protein (IGFBP)-3, and the effects of IGFBP-2 and -3 in the bovine corpus luteum. *Dom Anim Endocrinol* 20:203-216, 2001.