

### a) Refereed (i.e., peer-reviewed) papers

1. Moreira P, Saito H, **Kaneko T**, Saito T, Nakahara K, Hiroi M (1999) Are there any relations between the fecundity of the bilateral ovaries in an individual patient and the incidence of apoptotic granulosa cells? *Hum Reprod* 14(1): 156-161
2. Zhao S, Saito H, Wang X, Saito T, **Kaneko T**, Hiroi M (2000) Effects of gonadotropin-releasing hormone agonist on the incidence of apoptosis in porcine and human granulosa cells. *Gynecol Obstet Invest* 49: 52-59
3. Toya M, Saito H, Ohta N, Saito T, **Kaneko T**, Hiroi M (2000) Moderate and severe endometriosis is associated with the alternation of the cell cycle of granulosa cells in patients involved in an in vitro fertilization and embryo transfer program. *Fertil Steril* 73 (2): 344-350
4. Sadraie SH, Saito H, **Kaneko T**, Saito T, Zhao S, Hiroi M (2000) Effects of aging on ovarian fecundity in terms of the incidence of apoptotic granulosa cells. *J Assist Reprod Genet* 17(3): 168-1173
5. Ohta N, Saito H, **Kaneko T**, Yoshida M, Takahashi T, Saito T, Nakahara K, Hiroi M (2000) Soluble CD44 in human ovarian follicular fluid. *J Assist Reprod Genet* 18: 23-27
6. Saito H, Ishida GM, **Kaneko T**, Kawachiya S, Ohta N, Takahashi T, Saito T, Hiroi M (2000) Application of vitrification to human embryo freezing. *Gynecol Obstet Invest* 49(3): 145-149
7. Saito H, Saito T, **Kaneko T**, Sasagawa I, Kuramoto T, Hiroi M (2000) Relatively poor oocyte quality is an indication for intracytoplasmic sperm injection. *Fertil Steril* 73(3): 465-469
8. **Kaneko T**, Saito H, Toya M, Saito T, Nakahara K, Hiroi M (2000) Hyaluronic acid inhibits apoptosis in granulosa cells via CD44. *J Assist Reprod Genet* 17(3): 162-167
9. Saito H, **Kaneko T**, Takahashi T, Kawachiya S, Saito T, Hiroi M (2000) Hyaluronan in follicular fluids and fertilization of oocytes. *Fertil Steril* 74: 1148-1152
10. **Kaneko T**, Saito H, Takahashi T, Ohta N, Saito T, Hiroi M (2000) Effects of ovarian hyperstimulation on oocyte quality in terms of the incidence of apoptotic granulosa cells. *J Assist Reprod Genet* 17(10): 580-585
11. **Kaneko T**, Iuchi Y, Kawachiya S, Fujii T, Saito H, Kurachi H and Fujii J (2001) Alteration of Glutathione Reductase Expression in the Female Reproductive Organs during the Estrous Cycle. *Biol Reprod* 65: 1410-1416
12. Iuchi Y, Kobayashi T, **Kaneko T**, Takahara M, Ogino T, Fujii J (2001) The expression of a Y-box protein, YB2/RYB-a precedes protamine 2 during spermatogenesis in rodents. *Mol Hum Reprod*, 7(11): 1023-31
13. **Kaneko T**, Iuchi Y, Kobayashi T, Fujii T, Saito H, Kurachi H, and Fujii J (2002) Expression of glutathione reductase in the male reproductive system of rats supports the enzymatic basis of glutathione function in spermatogenesis. *Eur J Biochem* 269(5):1570-8
14. Saito H, Seino T, **Kaneko T**, Nakahara K, Toya M, Kurachi H (2002) Endometriosis and Oocyte Quality *Gynecol Obstet Invest* 53 suppl 1: 46-51

15. Seino T, Saito H, **Kaneko T**, Takahashi T, Kawachiya S, and Kurachi H (2002) Eight-hydroxy-2'-deoxyguanosine in granulosa cells reduces the quality of oocytes and embryos during an in vitro fertilization and embryo transfer program. *Fertil Steril* 77(6): 1184-90
16. Kobayashi T, **Kaneko T**, Iuchi Y, Matsuki S, Takahashi M, Sasagawa I, Nakada T and Fujii J (2002) localization and physiological implication of aldose reductase and sorbitol dehydrogenase in male reproductive system, accessory glands, and spermatozoa of rats. *J Androl* 23(5): 674-83
17. Iuchi Y, **Kaneko T**, Matsuki S, Sasagawa I, Fujii J (2003) Concerted changes in the YB2/RYB-a protein and protamine 2 messenger RNA in the mouse testis under heat stress. *Biol Reprod*, 68(1): 129-35
18. **Kaneko T**, Iuchi Y, Takahashi M, Fujii J (2003) Colocalization of polyol-metabolizing enzymes and immunological detection of fructated proteins in the female reproductive system of the rat. *Histochem Cell Biol*, 119: 309-315
19. Iuchi Y, **Kaneko T**, Matsuki S, Ishii T, Ikeda Y, Fujii J (2004) Carbonyl stress and detoxification ability in the male genital tract and testis of rats. *Histochem Cell Biol*, 121:123-130
20. Johnson J, Canning J, **Kaneko T**, Pru J, Tilly JL (2004) Germline stem cells and follicular repopulation in the postnatal mammalian ovary. *Nature*, 428: 145-150
21. Skaznik-Wikiel ME, **Kaneko-Tarui T**, Kashiwagi A, Pru JK (2006). Sphingosine-1-phosphate receptor expression and signaling correlate with uterine prostaglandin-endoperoxide synthase 2 expression and angiogenesis during early pregnancy. *Biol Reprod*, 74(3): 569-76
22. Skaznik-Wikiel M, Tilly JC, Lee HJ, Niiikura Y, **Kaneko-Tarui T**, Johnson J, Tilly JL (2007) Serious doubts over "Eggs forever?" *Differentiation*, 75 (2): 93-99
23. **Kaneko-Tarui T**, Zhang L, Austin KJ, Henkes LE, Johnson J, Hansen TR, Pru J (2007) Maternal and embryonic control of uterine sphingolipid-metabolizing enzymes during murine embryo implantation. *Biol Reprod*, 77(4): 658-62
24. Pru J, **Kaneko-Tarui T**, Jurisicova A, Kashiwagi A, Selesniemi K, Tilly JL (2009) Induction of pro-apoptotic gene expression and recruitment of p53 herald ovarian follicle loss caused by polycyclic aromatic hydrocarbons. *Reproductive Sciences*, 16(4):347-56.
25. Tanwar PS, **Kaneko-Tarui T**, Zhang L, Rani P, Taketo MM, Teixeira J (2010) Constitutive WNT/Beta-catenin signaling in murine sertoli cells disrupts their differentiation and ability to support spermatogenesis. *Biol Reprod*, 82:422-432.
26. Tanwar PS, Zhang L, **Kaneko-Tarui T**, Curley MD, Taketo MM, Rani P, Roberts DJ, Teixeira JM (2011) Mammalian target of rapamycin is a therapeutic target for murine ovarian endometrioid adenocarcinomas with dysregulated Wnt/ $\beta$ -catenin and PTEN. *PLOS*. 2011 vol. 6 (6) pp. e20715.
27. Tanaka Y, Park JH, Tanwar PS, **Kaneko-Tarui T**, Mittal S, Lee HJ, Teixeira JM Deletion of Tuberous Sclerosis 1 in Somatic Cells of the Murine Reproductive Tract Causes Female Infertility. *Endocrinology*, 2012;153(1):404-416.

28. Tanwar PS\*, **Kaneko-Tarui T**\*, Zhang L, Teixeira JM Stromal Liver Kinase B1 [STK11] Signaling loss Induces Oviductal Adenomas and Endometrial Cancer by Activating Mammalian Target of Rapamycin Complex 1. *Plos Genet* 2012;8(8):e1002906. (\*Co-first authors)
29. Tanwar PS, **Kaneko-Tarui T**, Zhang L, Teixeira (2012) Altered LKB1/AMPK/TSC1/TSC2/mTOR signaling causes disruption of Sertoli cell polarity and spermatogenesis. *Hum Mol Genet*, 21(20):4394-4054.
30. Tanwar PS, **Kaneko-Tarui T**, Lee HJ, Zhang L, Teixeira JM (2013) PTEN loss and HOXA10 expression are associated with ovarian endometrioid adenocarcinoma differentiation and progression. *Carcinogenesis*, 34(4):893-901.
31. Tanwar PS, Mohapatra G, Chiang S, Engler DA, Zhang L, **Kaneko-Tarui T**, Ohguchi Y, Birrer MJ, Teixeira JM (2013) Loss of LKB1 and PTEN tumor suppressor genes in the ovarian surface epithelium induces papillary serous ovarian cancer. *Carcinogenesis*, 35(3):546-53
32. **Kaneko-Tarui T**, Commandeur AE, Patterson AL, et al. Hyperplasia and fibrosis in mice with conditional loss of the TSC2 tumor suppressor in Müllerian duct mesenchyme-derived myometria. *Mhr Basic Sci Reproductive Medicine* 2014;20(11):1126 1134.
33. Yen E, **Kaneko-Tarui T**, Ruthazer R, Harvey-Wilkes K, Hassaneen M, Maron JL. Sex-Dependent Gene Expression in Infants with Neonatal Opioid Withdrawal Syndrome. *J Pediatrics* 2019
34. Bartolome R, **Kaneko-Tarui T**, Maron J, Zimmerman E. The Utility of Speech-Language Biomarkers to Predict Oral Feeding Outcomes in the Premature Newborn. *Am J Speech-lang Pat* 2020;29(2S):1022–9.
35. Yen E, **Kaneko-Tarui T**, Maron JL. Technical Considerations and Protocol Optimization for Neonatal Salivary Biomarker Discovery and Analysis. *Frontiers Pediatrics* 2021;8:618553.
36. Alvarado-Flores F, **Kaneko-Tarui T**, Beyer W, et al. Placental miR-3940-3p is Associated With Maternal Insulin Resistance in Late Pregnancy. *J Clin Endocrinol Metabolism* 2021

#### **b) Book chapters/Invited reviews**

1. Fujii J, **Kaneko T**, Kobayashi T, Iuchi Y, Takahashi M (2002) Localization and Physiological Implication of Polyol- Metabolizing Enzymes in Male and Female Reproductive Systems of Rat. *The Maillard Reaction in Food Chemistry and Medical Science: Update for the Postgenomic Era.* ( Horiuchi S, Kurata T, Taniguchi N, Osawa T, Hayase F Eds), Elsevier 363-364.
2. Fujii J, **Kaneko T**, Iuchi Y (2002) Glutathione Redox Status in the Rat Reproductive System. *XI Biennial Meeting of the Society for Free Radical Research International* (C.Pasquier ed), C716: 217-220