

## เอกสารอ้างอิง

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Adams, G.P., K. Kot, C.A. Smith and O.J. Ginther. 1993. Selection of a dominant follicle and suppression of follicular growth in heifers. *Anim. Reprod. Sci.* 30: 259-271.

Bao, B., H.A. Garverick, G.W. Smith, M.F. Smith, B.E. Salfen, and R.S. Youngquist. 1997. Changes in messenger ribonucleic acid encoding luteinizing hormone receptor, Cytochrome P450-side chain cleavage, and aromatase are associated with recruitment and selection of bovine ovarian follicles. *Biol. Reprod.* 56:1158-1168.

Beam, S. W., and W. R. Butler. 1999. Effects of energy balance on follicular development and first ovulation in postpartum dairy cows. *J. Reprod. Fertil.* 54: 411-424.

Butler, A. J., P. Melendez, D. Kelbert, K. Swift, J. McHale, J. Hernandez, F. Silvestre, C. A. Risco, A. C. M. Arteché, W. W. Thatcher and L. F. Archbald. 1997. Strategic use of gonadotrophin-releasing hormone (GnRH) to increase pregnancy rate and reduce pregnancy loss in lactating dairy cows subjected to synchronization of ovulation and timed insemination. *Theriogenology.* 63: 1026-1037.

Crane, M.B, J. Bartolome, P. Melendez, A. de Vries, C. Risco, and L.F. Archbald. 2006. Comparison of synchronization of ovulation with timed insemination and exogenous progesterone as therapeutic strategies for ovarian follicular cysts in lactating dairy cows. *Theriogenology* 65: 563-1574.

Evans, A.C.O., C.M. Komar, S.A. Wandji, and J.E. Fortune. 1997. Changes in androgen secretion and luteinizing hormone pulse amplitude are associated with the recruitment and growth of ovarian follicles during the luteal phase of the bovine estrous cycle. *Biol. Reprod.* 57: 394-401.

Fortune, J. E. 1994. Ovarian follicular growth and development in mammals. *Biol. Reprod.* 50: 225-232.

Fricke, P.M., and R.A. Sterry. 2006. Management Strategies to Improve Fertility in Lactating Dairy Cows. High Plains Dairy Conference. 89-97.

Fricke, P.M., J.N. Guenther, and M.C. Wiltbank. 1998. Efficacy decreasing the dose of GnRH used in a protocol for synchronization of ovulation and timed AI in lactating dairy cows. *Theriogenology* 50: 1275-1284.

Ginther, O.J., D.R. Bergfelt, L.J. Kulick, and K. Kot. 2000a. Selection of the dominant follicle in cattle: role of estradiol. *Biol. Reprod.* 63:383-389.

Ginther, O.J., D.R. Bergfelt, L.J. Kulick, and K. Kot. 2000b. Selection of the dominant follicle in cattle: role of two way functional coupling between follicle-stimulating hormone and the follicles. *Biol. Reprod.* 62:920-927.

- Hanlon, D.W., G.M. Jarratt, P.J. Davidson, A.J. Millar, V.L. Douglas. 2005. The effect of hCG administration five days after insemination on the first service conception rate of anestrous dairy cows. *Theriogenology* 63: 1938–1945.
- Hensel, W. 2003. The potential for improving the growth and development of cultured farm animal oocytes. *Animal Reproduction Science*. 79: 191-201.
- Howard, J.M., R. Manso, J.C. Dalton, F. Frago, and A. Ahmadzadeh. 2006. Conception rates and serum progesterone concentration in dairy cattle administered gonadotropin releasing hormone 5 days after artificial insemination. *Anim. Reprod. Sci.* 95: 224–233.
- Lucy, M. C., C. R. Staples, F. M. Michel and W. W. Thatcher. 1991. Energy balance and size and number of ovarian follicles detected by ultrasonography in early postpartum dairy cows. *J. Dairy Sci.* 74: 473-482.
- Lucy, M.C. 2001. Reproduction loss in high producing dairy cattle: Where will it end. *J. Dairy. Sci.* 84: 1277-1293.
- Menezes, Y.J.R., A. Veiga, and J.L. Pouly. Assisted reproduction technology (ART) in human: facts and uncertainties. 2000. *Theriogenology*. 53: 559-610.
- Moreira, F., C. Orlandi, C.A. Risco, R. Mattos, F. Lopes, and W.W. Thatcher. 2001. Effects of Presynchronization and bovine somatotropin on pregnancy rates to a timed artificial insemination protocol in lactating dairy cows. *J. Dairy Sci.* 84: 1646–1659.
- Navanukraw, C., L.P. Reynolds, J.D. Kirsch, A.T. Grazul-Bilska, D.A. Redmer, and P.M. Fricke. 2004. A Modified presynchronization protocol improves fertility to timed artificial insemination in lactating dairy cows. *J. Dairy Sci.* 87: 1551-1557.
- Peter, H., A.G. Byskov, and M. Faber . 1973. Intraovarian regulation of follicular growth in the immature mouse. in: Peter H, ed. The developmental and maturation of the ovary function. Amsterdam: Excerpta Med. 20-23.
- Pursley, J.R., M.C. Wiltbank, J.S. Stevenson, J.S. Ottobre, H.A. Garverick, and L.L. Anderson. 1997. Pregnancy rates per artificial insemination for cows and heifers inseminated at a synchronized ovulation or synchronized estrus. *J. Dairy Sci.* 80: 295–300.
- Pursley, J.R., M.O. Mee, and M.C. Wiltbank. 1995. Synchronization of ovulation in dairy cows using PGF<sub>2α</sub> and GnRH. *Theriogenology* 44: 915-923.
- Roche, J.F., C.R. Burke, B.A. Clark, M.L. Day, and K.L. Macmillan. 2002. Effect of treatment with Progesterone and oestradiol benzoate on ovarian follicular turnover in postpartum anoestrous cows and cows which have resumed oestrous cycles. *Anim.Reprod. Sci.* 69: 139–150.
- Sakaguchi, M. Y. Sasamoto, T. Suzuki, Y. Takahashi, and Y. Yamada. 2004. Postpartum ovarian follicular

- dynamics and estrous activity in lactating dairy cows. *J. Dairy Sci.* 87: 2114–2121.
- Santos, J.E.P., M. Villasenor, E.J. DePeters, P.H. Robinson, and C.H. Holmberg. 2003. Type of cottonseed And gossypol in diets of lactating dairy cows: Plasma gossypol, reproduction, and health. *J. Dairy Sci.* 86: 892-905.
- Santos, J.E.P., W.W.Thatcher, L. Pool, and M.W. Overton. 2001. Effect of human chorionic gonadotropin on Luteal function and reproductive performance of high producing lactating Holstein dairy cows. *J Anim Sci.* 79: 2881–94.
- SAS Institute Inc. 1985. *SAS System (Release 8.2)*, Cary, NC
- Silva, E., R.A. Sterry, D. Kolb, M.C. Wiltbank, and P.M. Fricke. 2007b. Effect of pretreatment with Prostaglandin  $F_{2\alpha}$  before Resynchronization of ovulation fertility of lactating dairy cows. *J. Dairy Sci.* 90: 5509-5517.
- Souza, A. H., A. Gumen, E. P. B. Silva, A. P. Cunha, J. N. Guenther, C. M. Peto, D. Z. Caraviello, and M. C. Wiltbank. 2007. Effect of estradiol-17 $\beta$  supplementation before the last GnRH of the Ovsynch protocol on high producing dairy cows. *J. Dairy Sci.* 88: 170.
- Staples, C. R., J. M. Burke, and W. W. Thatcher. 1998. Influence of supplemental fats on reproductive tissues And performance of lactating cows. *J. Dairy Sci.* 81: 856-871.
- Sterry, R. A., M. L. Welle, and P. M. Fricke. 2006. Treatment with Gonadotropin releasing hormone after First timed artificial insemination improves fertility in noncycling lactating dairy cows. *J. Dairy Sci.* 89: 4237–4245.
- Stevenson, J.S., Y. Kobayashi, and K.E. Thompson. 1999. Reproductive performance of dairy cows in various programmed breeding systems including Ovsynch and combinations of gonadotropinreleasing hormone and prostaglandin  $F_{2\alpha}$ . *J. Dairy Sci.* 82: 506–515.
- Thatcher, W.W., T.R. Bilby, J.A. Bartolome, F. Silvestre, C.R. Staples, and J.E.P. Santos. 2006. Strategies for improving fertility in the modern dairy cow. *Theriogenology* 65: 30–44.
- Thatcher, W.W., R.L. De la Sota, E.J.P. Schmitt, T.C. Diaz, and J.E.P. Santos. 2002. Strategies to optimize reproductive efficiency by regulation of ovarian function. *Domes. Anim. Endocrin.* 23: 243-254.
- Tenhagen, B., R. Surholt, M. Wittke, C. Vogel, M. Drillich, and W. Heuwieser. 2004. Use of Ovsynch in dairy herds differences between primiparous and multiparous cows. *Anim. Reprod. Sci.* 81: 1–11.
- Vasconcelos, J.L.M., R. W. Silcox, G. J. M. Rosa, J.R. Pursley, and M.C. Wiltbank. 1999. Synchronization rate, size of the ovulatory follicle, and pregnancy rate after synchronization of ovulation beginning on different days of the estrous cycle in lactating dairy cows. *Theriogenology.* 52: 1067–1078.
- Wiltbank, C. M., A. Gumen, and R. Sartori. 2002. Physiological classification of anovulatory conditions in cattle. *Theriogenology.* 57: 21-52.
- Wolfenson, D., G. Inbar, Z. Rotha, M. Kaim, A. Blocha, and R. Braw. 2004. Follicular dynamics and

concentrations of steroids and gonadotropins in lactating cows and nulliparous heifers.

*Theriogenology*. 62: 1042–1055.

Young A., Charles L. Chaffin, Theodore A. Molskness, and Richard L. Stouffer. 2003. Controlled ovulation of the dominant follicle: a critical role for LH in the late follicular phase of the menstrual cycle. *Human Reproduction*. 18 (11): 2257-2263.



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