

CHAPTER

4

참고 문헌

1. Abou-haila A, Tulsiani DR. Signal transduction pathways that regulate sperm capacitation and the acrosome reaction. *Arch Biochem Biophys* 2009;485:72-81.
2. Aghajanova L, Stavre'us-Evers A, Nikas Y, Hovatta O, Landgren BM. Co expression of pinopodes and leukemia inhibitory factor, as well as its receptor, in human endometrium. *Fertil Steril* 2003;79:808-14.
3. Arici A, Engin O, Attar E, Olive DL. Modulation of leukemia inhibitory factor gene expression and protein biosynthesis in human endometrium. *J Clin Endocrinol Metab* 1995;80:1908-15.
4. Bagot CN, Kliman HJ, Taylor HS. Maternal Hoxa10 is required for pinopod formation in the development of mouse uterine receptivity to embryo implantation. *Dev Dyn* 2001;222:538-44.
5. Bailey J.L., Storey B.T. Calcium influx into mouse spermatozoa activated by solubilized mouse zona pellucida, monitored with the calcium fluorescent indicator, fluo-3. Inhibition of the influx by three inhibitors of the zona pellucida induced acrosome reaction: Tyrophostin A48, pertussis toxin, and 3-quinuclidinyl benzilate. *Mol Reprod Dev* 1994;39:297-308.
6. Bentin-Ley U. Relevance of endometrial pinopodes for human blastocyst implantation. *Hum Reprod* 2000;15:67-73.
7. Chaube SK, Tripathi A, Khatun S, Mishra SK, Prasad PV, Shrivastav TG. Extracellular calcium protects against verapamil-induced metaphase-II arrest and initiation of apoptosis in aged rat eggs. *Cell Biol Int* 2009;33:337-43.
8. Clewe TH, Mastroianni L. Mechanisms of ovum pickup: I. Functional capacity of rabbit oviducts ligated near the fimbria. *Fertil Steril* 1958;9:13.
9. Cohen DJ, Ellerman DA, Busso D, Morgenfeld MM, Piazza AD, Hayashi M, et al. Evidence that human epididymal protein ARP plays a role in gamete fusion through complementary sites on the surface of the human egg. *Biol Reprod* 2001;65:1000-5.
10. Cross NL, Morales P, Overstreet JW, Hanson FW. Induction of acrosome reactions by the human zona pellucida. *Biol Reprod* 1988;38:235.
11. DiLuigi A, Weitzman VN, Pace MC, Siano LJ, Maier D, Mehlmann LM. Meiotic arrest in human oocytes is maintained by a Gs signaling pathway. *Biol Reprod* 2008;78:667-72.
12. Ducibella T. Mammalian egg cortical granules and the cortical reaction. In: Wassarman PM, ed. Paul M. Elements of Mammalian Fertilization. Florida: CRC Press Boca Raton; 1991
13. Eppig JJ, Vivieros MM, Marin-Bivens C, De La Fuente R. Regulation of mammalian oocyte maturation. In *The Ovary*, Eds PCK Leung & EY Adashi. Amsterdam: Elsevier Academic Press; 2004. pp 113-29.
14. Fazleabas AT, Kim JJ. Development. What makes an embryo stick? *Science* 2003;299:355-6.
15. Giudice LC. Potential biochemical markers of uterine receptivity. *Hum Reprod* 1999;14:3-16.
16. Giudice LC, Irwin JC. Roles of the insulin-like growth factor family in nonpregnant human endometrium and at the decidual: trophoblast interface. *Semin Reprod Endocrinol* 1999;17:13-21.
17. Giudice LC, Saleh W. Growth factors in reproduction. *Trends Endocrinol Metab* 1995;6:60-9.
18. Gordts S, Campo R, Brosens I. Endoscopic visualization of oocyte release and oocyte retrieval in humans. *Reprod Biomed Online* 2002;4(Suppl. 3):10.
19. Gould JE, Overstreet JW, Hanson FW. Assessment of human sperm function after recovery from the female reproductive tract. *Biol Reprod* 1984;31:888.
20. Kaji K, Kudo A. The mechanism of sperm-oocyte fusion in

- mammals, *Reproduction* 2004;127:423-9.
21. Kashir J, Heindryckx B, Jones C, De Sutter P, Parrington J, Coward K. Oocyte activation, phospholipase C zeta and human infertility. *Hum Reprod Update* 2010;16:690-703.
 22. Katz DF, Drobnis EZ, Overstreet JW. Factors regulating mammalian sperm migration through the female reproductive tract and oocyte vestments. *Gamete Res* 1989;22:443.
 23. Katz D, Morales P, Samuels SJ, Overstreet JW. Mechanisms of filtration of morphologically abnormal human sperm by cervical mucus. *Fertil Steril* 1990;54:513.
 24. Lass A, Weiser W, Munafo A, Loumays E. Leukemia inhibitory factor in human reproduction. *Fertil Steril* 2001; 76: 1091-6.
 25. Lessey BA. Two pathways of progesterone action in the human endometrium: implications for implantation and contraception. *Steroids* 2003;68:809-15.
 26. Lessey BA, Castelbaum AJ, Wolf L, Greene W, Paulson M, Meyer WR, et al. Use of integrins to date the endometrium. *Fertil Steril* 2000;73:779-87.
 27. Lessey BA, Gui Y, Aparao KB, Young SL, Mulholland J. Regulated expression of heparin-binding EGF-like growth factor (HBEGF) in the human endometrium: a potential paracrine role during implantation. *Mol Reprod Dev* 2002;62:446-55.
 28. Lindhard A, Bentin-Ley U, Ravn V, Islin H, Hviid T, Rex S, et al. Biochemical evaluation of endometrial function at the time of implantation. *Fertil Steril* 2002;78:221-33.
 29. Marengo SR. Maturing the sperm: unique mechanisms for modifying integral proteins in the sperm plasma membrane. *Animal Reprod Sci* 2008;105:52.
 30. Mehlmann LM. Stops and starts in mammalian oocytes: Recent advances in understanding the regulation of meiotic arrest and oocyte maturation. *Reproduction* 2005;130:791-9.
 31. Morales P, Katz DF, Overstreet JW, Samuels SJ, Chang RJ. The relationship between the motility and morphology of spermatozoa in human semen. *J Androl* 1988;9:241.
 32. Norris RP, Ratzan WJ, Freudzon M, Mehlmann LM, Krall J, Movsesian MA, et al. Cyclic GMP from the surrounding somatic cells regulates cyclic AMP and meiosis in the mouse oocyte. *Development* 2009;136:1869-78.
 33. Paul M. *Elements of Mammalian Fertilization*. Florida: CRC Press Boca Raton; 1991
 34. Perrier d'Hauterive S, Charlet-Renard C, Berndt S, Dubois M, Munaut C, Goffin F, et al. Human chorionic gonadotropin and growth factors at the embryonic-endometrial interface control leukemia inhibitory factor (LIF) and interleukin 6 (IL-6) secretion by human endometrial epithelium. *Hum Reprod* 2004;19:2633-43.
 35. Ricardo H. *Gamete Physiology*. Massachusetts: Sero Symposia; 1990
 36. Seier JV, Chwalisz K, Louw J, van der Horst G, de Kock M, du Toit D, et al. Endometrial function in vervet monkeys (*Cercopithecus aethiops*): morphology, beta3 integrin and insulin-like growth factor binding protein-1 expression during the menstrual cycle and pregnancy in the normal and disrupted endometrium. *J Med Primatol* 2002;31:330-9.
 37. Settlage DSF, Motoshima M, Tredway DR. Sperm transport from the external cervical os to the fallopian tubes in women: a time and quantitation study. *Fertil Steril* 1973;24:655.
 38. Simon C, Frances A, Piquette GN, el Danasouri I, Zurawski G, Dang W, et al. Embryonic implantation in mice is blocked by interleukin-1 receptor antagonist. *Endocrinology* 1994;134:521-8.
 39. Simon C, Gimeno MJ, Mercader A, O'Connor JE, Remohi J, Polan ML, et al. Embryonic regulation of integrins beta 3, alpha 4, and alpha 1 in human endometrial epithelial cells in vitro. *J Clin Endocrinol Metab* 1997;82:2607-16.
 40. Simo'n C, Martin JC, Pellicer A. Paracrine regulators of implantation. *Baillieres Best Pract Res Clin Obstet Gynaecol* 2000;14:815-26.
 41. Slayden OD, Rubin JS, Lacey DL, Brenner RM. Effects of keratinocyte growth factor in the endometrium of rhesus macaques during the luteal-follicular transition. *J Clin Endocrinol Metab* 2000;85:275-85.
 42. Smalley DM, Ley K. L-selectin: mechanisms and physiological significance of ectodomain cleavage. *J Cell Mol Med* 2000;9:255-66.
 43. Sobrero AJ, MacLeod J. The immediate postcoital test. *Fertil Steril* 1962;13:184-9.
 44. Steck T, Giess R, Suetterlin MW, Bolland M, Wiest S, Poehls UG, et al. Leukaemia inhibitory factor (LIF) gene mutations in women with unexplained infertility and recurrent failure of implantation after IVF and embryo transfer. *Eur J Obstet Gynecol Reprod Biol* 2004;112:69-73.
 45. Suarez S, Pacey A. Sperm transport in the female reproductive tract. *Hum Reprod Update* 2006;12:23-37.
 46. Tao A. How the myosalpinx works in gamete and embryo transfer. *Arch Biol Med Exp* 1991;24:361.
 47. Tollner TL, Yudin AL, Treece CA, Overstreet JW, Cherr GN. Macaque sperm coating protein DEFB126 facilitates sperm penetration of cervical mucus. *Hum Reprod* 2008;23:2523.
 48. Tollner TL, Yudin AI, Tarantal AF, Treece CA, Overstreet JW, Cherr GN. Beta-defensin 126 on the surface of macaque sperm mediates attachment of sperm to oviductal epithelia. *Biol Reprod* 2008;78:400.

49. Tollner TL, Vandervoort CA, Yudin AI, Treece CA, Overstreet JW, Cherr GN. Release of DEFBI26 from macaque sperm and completion of capacitation are triggered by conditions that simulate periovulatory oviductal fluid. *Mol Reprod Dev* 2009;76:431.
50. Tripathi A, Kumar KV, Chaube SK. Meiotic cell cycle arrest in mammalian oocytes. *J Cell Physiol* 2010;223:592-600.
51. Tripathi A, Khatun S, Pandey AN, Mishra SK, Chaube R, Shrivastav TG, et al. Intracellular levels of hydrogen peroxide and nitric oxide in oocytes at various stages of meiotic cell cycle and apoptosis. *Free Radic Res* 2009;43:287-94.
52. Tulsiani DR, Yoshida-Komiya H, Araki Y. Mammalian fertilization: a carbohydrate-mediated event. *Biol Reprod* 1997;57:487-94.
53. Wang C, Baker HWG, Jennings MG, Burger HG, Lutjen P. Interaction between human cervical mucus and sperm surface antibodies. *Fertil Steril* 1985;44:484.
54. Wfinggren K, Stavreus-Evers A, Olsson C, Andersson E, Gemzell-Danielsson K. Regulation of muscular contractions in the human Fallopian tube through prostaglandins and progestagens. *Hum Reprod* 2008;23:2359.
55. Yanagimachi R. Capacitation and the acrosome reaction. In: Asch R, Balmaceda JP, Johnston I, eds. Ricardo H. Gamete Physiology. Massachusetts: Serono Symposia; 1990
56. Yanagimachi R. Mammalian fertilization. In *The Physiology of Reproduction*. Eds E Knobil & JD Neil. New York: Raven Press; 1994. pp 189-317.
57. Zamah AM, Hsieh M, Chen J, Vigne JL, Rosen MP, Cedars MI, et al. Human oocyte maturation is dependent on LHstimulated accumulation of the epidermal growth factor-like growth factor, amphiregulin. *Hum Reprod* 2010;25:2569-78.
58. Zaneveld LJD, De Jonge CJ, Anderson RA, Mack SR. Human sperm capacitation and the acrosome reaction. *Hum Reprod* 1991;6:1265