

CHAPTER

2

참고 문헌

1. Alak BM, Smith GD, Woodruff TK, Stouffer RL, Wolf DP. Enhancement of primate oocyte maturation and fertilization in vitro by inhibin A and activin A. *Fertil Steril* 1996;66:646.
2. Andersen CY, Byskov AG. Estradiol and regulation of anti-Müllerian hormone, inhibin-A, and inhibin-B secretion: analysis of small antral and preovulatory human follicles' fluid. *J Clin Endocrinol Metab* 2006;91:4064.
3. Barnes RB, Namnoum AB, Rosenfield RL, Layman LC. The role of LH and FSH in ovarian androgen secretion and ovarian follicular development: clinical studies in a patient with isolated FSH deficiency and multicystic ovaries. *Hum Reprod* 2002;17:88.
4. Ben-Ami I, Armon L, Freimann S, Strassburger D, Ron-El R, Amsterdam A. EGF-like growth factors as LH mediators in the human corpus luteum. *Hum Reprod* 2009;24:176.
5. Ben-Chetrit A, Gotlieb L, Wong PY, Casper RF. Ovarian response to recombinant human follicle stimulating hormone in luteinizing hormone-depleted women: examination of the two cell, two gonadotropin theory. *Fertil Steril* 1996;65:711.
6. Bergh C, Carlsson B, Olsson J-H, Selleskog U, Hillensjo T. Regulation of androgen production in cultured human thecal cells by insulin-like growth factor I and insulin. *Fertil Steril* 1993;59:323.
7. Bogan RL, Murphy MJ, Stouffer RL, Hennebold JD. Prostaglandin synthesis, metabolism, and signaling potential in the Rhesus Macaque corpus luteum throughout the luteal phase of the menstrual cycle. *Endocrinology* 2008;149:5861.
8. Brannian JD, Stouffer RL, Molskness TA, Chandrasekher YA, Sarkissian A, Dahl KD. Inhibin production by Macaque granulosa cells from pre- and periovulatory follicles: regulation by gonadotropins and prostaglandin E2. *Biol Reprod* 1992;46:451.
9. Brännström M, Mikuni M, Hedin L. Intra-ovarian events during follicular development and ovulation. *Hum Reprod* 1997;12(Suppl):51.
10. Cahill DJ, Wardle PG, Harlow CR, Hull MG. Onset of the preovulatory luteinizing hormone surge: diurnal timing and critical follicular prerequisites. *Fertil Steril* 1998;70:56.
11. Cha KY, Koo JJ, Ko JJ, Choi DH, Han SY, Yoon TK. Pregnancy after IVF of human follicular oocytes collected from nonstimulated cycles, their culture in vitro and their transfer in a donor oocyte program. *Fertil Steril* 1991;55:109.
12. Chabab A, Hedon B, Arnal F, Diafouka F, Bressot N, Flandre O, Cristol P. Follicular steroids in relation to oocyte development and human ovarian stimulation protocols. *Hum Reprod* 1986;1:449.
13. Chaffkin LM, Luciano AA, Peluso JJ. Progesterone as an autocrine/paracrine regulator of human granulosa cell proliferation. *J Clin Endocrinol Metab* 1992;75:1404.
14. Chandrasekher YA, van Dessel HJ, Fauser BCJM, Giudice LC. Estrogen- but not androgen-dominant human ovarian follicular fluid contains an insulin-like growth factor binding protein-4 protease. *J Clin Endocrinol Metab* 1995;80:2734.
15. Chiazz L Jr, Brayer FT, Macisco JJ Jr, Parker MP, Duffy BJ. The length and variability of the human menstrual cycle. *JAMA* 1968;203:377.
16. Chikasawa K, Araki S, Tameda T. Morphological and endocrinological studies on follicular development during the human menstrual cycle. *J Clin Endocrinol Metab* 1986;62:305.
17. Collett ME, Wertenberger GE, Fiske VM. The effect of age upon the pattern of the menstrual cycle. *Fertil Steril* 1954;5:437.
18. Dissen GA, Garcia-Rudaz C, Ojeda SR. Role of neurotrophic factors in early ovarian development. *Semin Reprod Med* 2009;27:24.

19. Dor J, Ben-Shlomo I, Lunenfeld B, Pariente C, Levran D, Karasik A, Seppala M, Mashiah S. Insulinlike growth factor-I (IGF-I) may not be essential for ovarian follicular development: evidence from IGF-I deficiency. *J Clin Endocrinol Metab* 1992;74:539.
20. Duncan WC, McNeilly AS, Illingworth PJ. The effect of luteal “rescue” on the expression and localization of matrix metalloproteinases and their tissue inhibitors in the human corpus luteum. *J Clin Endocrinol Metab* 1998;83:2470.
21. Durlinger AL, Visser JA, Themmen AP. Regulation of ovarian function: the role of anti-Müllerian hormone. *Reproduction* 2002;124:601.
22. Ecochard R, Gougeon A. Side of ovulation and cycle characteristics in normally fertile women. *Hum Reprod* 2000;15:752.
23. Eppig JJ, Chesnel F, Hirao Y, O’Brien MJ, Pendola FL, Watanabe S, Wigglesworth K. Oocyte control of granulosa cell development: how and why. *Hum Reprod* 1997;12(Suppl):127.
24. Erickson GF. An analysis of follicle development and ovum maturation. *Semin Reprod Endocrinol* 1986;4:233.
25. Erickson GF, Shimasaki S. The role of the oocyte in folliculogenesis. *Trends Endocrinol Metab* 2000;11:193.
26. Evans WS, Sollenberger MJ, Booth RA Jr, Rogol AD, Urban RJ, Carlsen EC, Johnson ML, Veldhuis JD. Contemporary aspects of discrete peak-detection algorithms. II. The paradigm of the luteinizing hormone pulse signal in women. *Endocr Rev* 1992;13:81.
27. Filicori M, Butler JP, Crowley WF. Neuroendocrine regulation of the corpus luteum in the human: evidence for pulsatile progesterone secretion. *J Clin Invest* 1984;73:1638.
28. Filicori M, Cognigni GE, Ciampaglia W. Effects of LH on oocyte yield and developmental competence. *Hum Reprod* 2003;18:1357.
29. Filicori M, Santoro N, Merriam GR, Crowley WF Jr. Characterization of the physiological pattern of episodic gonadotropin secretion throughout the human menstrual cycle. *J Clin Endocrinol Metab* 1986;62:1136.
30. Fukuda M, Fukudu K, Yding Andersen C, Byskov AG. Characteristics of human ovulation in natural cycles correlated with age and achievement of pregnancy. *Hum Reprod* 2001;16:2501.
31. Giudice LC. Insulin-like growth factors and ovarian follicular development. *Endocr Rev* 1992;13:641.
32. Goodman AL, Hodgen GD. The ovarian triad of the primate menstrual cycle. *Recent Prog Horm Res* 1983;39:1.
33. Gougeon A, Echochard R, Thalabard JC. Age-related changes of the population of human ovarian follicles: increase in the disappearance rate of non-growing and early-growing follicles in aging women. *Biol Reprod* 1994;50:653.
34. Greisen S, Ledet T, Ovesen P. Effects of androstenedione, insulin and luteinizing hormone on steroidogenesis in human granulosa luteal cells. *Hum Reprod* 2001;16:2061.
35. Hall JE, Taylor AE, Martin KA, Rivier J, Schoenfeld DA, Crowley WF Jr. Decreased release of gonadotropin-releasing hormone during the preovulatory midcycle luteinizing hormone surge in normal women. *Proc Natl Acad Sci* 1994;91:6894.
36. Hoff JD, Quigley ME, Yen SS. Hormonal dynamics at midcycle: a reevaluation. *J Clin Endocrinol Metab* 1983;57:792.
37. Hsueh AJ, Eisenhauer K, Chun SY, Hsu SY, Billig H. Gonadal cell apoptosis. *Recent Prog Horm Res* 1996;51:433.
38. Hugh STaylor, Lubna Pal, Emre Seli. Speroff’s Clinical gynecologic endocrinology and infertility. 9th edition. Wolters Kluwer; 2020
39. Itskovitz J, Sealey JE. Ovarian prorenin-renin-angiotensin system. *Obstet Gynecol Surv* 1987;42:545.
40. Juengel JL, McNatty KP. The role of proteins of the transforming growth factor-beta superfamily in the intraovarian regulation of follicular development. *Hum Reprod Update* 2005;11:143.
41. Kaiser UB, Conn PM, Chin WW. Studies of gonadotropin-releasing hormone (GnRH) action using GnRH receptor-expressing pituitary cell lines. *Endocr Rev* 1997;18:46.
42. Khan-Dawood FS. Oxytocin in intercellular communication in the corpus luteum. *Semin Reprod Endocrinol* 1998;15:395.
43. Kim JH, Seibel MM, MacLaughlin DT, Donahoe PK, Ransil BJ, Hametz PA, Richards CJ. The inhibitory effects of müllerian-inhibiting substance on epidermal growth factor induced proliferation and progesterone production of human granulosa-luteal cells. *J Clin Endocrinol Metab* 1992;75:911.
44. Kobayashi M, Nakano R, Ooshima A. Immunohistochemical localization of pituitary gonadotropins and gonadal steroids confirms the two cells two gonadotropins hypothesis of steroidogenesis in the human ovary. *J Endocrinol* 1990;126:483.
45. Lee SJ, Lenton EA, Sexton L, Cooke ID. The effect of age on the cyclical patterns of plasma LH, FSH, oestradiol and progesterone in women with regular menstrual cycles. *Hum Reprod* 1988;3:851.
46. Lenton EA, Landgren B, Sexton L, Harper R. Normal variation in the length of the follicular phase of the menstrual cycle: effect of chronological age. *Br J Obstet Gynaecol* 1984;91:681.
47. Liu JH, Yen SSC. Induction of midcycle gonadotropin surge by ovarian steroids in women: a critical evaluation. *J Clin Endocrinol Metab* 1983;57:797.
48. Marrs RP, Lobo R, Campeau JD, Nakamura RM, Brown J,

- Ujita EL, diZerega GS. Correlation of human follicular fluid inhibin activity with spontaneous and induced follicle maturation. *J Clin Endocrinol Metab* 1984;58:704.
49. Marunicic M, Casper RF. The effect of luteal phase estrogen antagonism on luteinizing hormone pulsatility and luteal function in women. *J Clin Endocrinol Metab* 1987;64:148.
50. Mason AJ, Hayflick JS, Ling N, Esch F, Ueno N, Ying SY, Guillemain R, Niall H, Seeburg PH. Complementary DNA sequences of ovarian follicular fluid inhibin show precursor structure and homology with transforming growth factor- β . *Nature* 1985;318:659.
51. McNatty KP, Markris A, DeGraziak C, Osathanondh R, Ryan KJ. Steroidogenesis by recombined follicular cells from the human ovary in vitro. *J Clin Endocrinol Metab* 1980;51:1286.
52. Montgomery Rice V, Limback SD, Roby KF, Terranova PF. Differential responses of granulosa cells from small and large follicles to follicle stimulating hormone (FSH) during the menstrual cycle and acyclicity: effects of tumour necrosis factor- α . *Hum Reprod* 1998;13:1285.
53. Mortola JF, Laughlin GA, Yen SSC. A circadian rhythm of serum follicle-stimulating hormone in women. *J Clin Endocrinol Metab* 1992;75:861.
54. Nahum R, Thong KJ, Hillier SG. Metabolic regulation of androgen production by human thecal cells in vitro. *Hum Reprod* 1995;10:75.
55. Oktay K, Newton H, Mullan J, Gosden RG. Development of human primordial follicles to antral stages in SCID/hpg mice stimulated with follicle stimulating hormone. *Hum Reprod* 1998;13:1133.
56. Pache TD, Wladimiroff JW, de Jong FH, Hop WC, Fauser BC. Growth patterns of non dominant ovarian follicles during the normal menstrual cycle. *Fertil Steril* 1990;54:638.
57. Padmanabhan V. Nature and bioactivity of gonadotropin-releasing hormone (GnRH) secreted during the GnRH surge. *Endocrinology* 1995;136:3452.
58. Pauerstein CJ, Eddy CA, Croxatto HD, Hess R, Siler-Khodr TM, Croxatto HB. Temporal relationships of estrogen, progesterone, and luteinizing hormone levels to ovulation in women and infrahuman primates. *Am J Obstet Gynecol* 1978;130:876.
59. Peters H, Byskov AG, Himelstein-Graw R, Faber M. Follicular growth: the basic event in the mouse and human ovary. *J Reprod Fertil* 1975;45:559.
60. Petraglia F, Di Meo G, Storchi R, Segre A, Facchinetti F, Szalay S, Volpe A, Genazzani AR. Proopiomelanocortin-related peptides and methionine enkephalin in human follicular fluid: changes during the menstrual cycle. *Am J Obstet Gynecol* 1987;157:142.
61. Retamales I, Carrasco I, Troncoso JL, Las Heras J, Devoto L, Vega M. Morpho-functional study of human luteal cell subpopulations. *Hum Reprod* 1994;9:591.
62. Richards JS, Jahnsen T, Hedin L, Lifka J, Ratoosh SL, Durica JM, Goldring NB. Ovarian follicular development: from physiology to molecular biology. *Recent Prog Horm Res* 1987;43:231.
63. Richardson DW, Goldsmith LT, Pohl CR, Schallenberger E, Knobil E. The role of prolactin in the regulation of the primate corpus luteum. *J Clin Endocrinol Metab* 1985;60:501.
64. San Roman GA, Magoffin DA. Insulin-like growth factor-binding proteins in healthy and atretic follicles during natural menstrual cycles. *J Clin Endocrinol Metab* 1992;76:625.
65. Sasano H. Functional pathology of human ovarian steroidogenesis: normal cycling ovary and steroid-producing neoplasms. *Endocr Pathol* 1994;5:81.
66. Sasano H, Okamoto M, Mason JI, Simpson ER, Mendelson CR, Sasano N, Silverberg SG. Immunolocalization of aromatase, 17 α -hydroxylase and side-chain-cleavage cytochromes P-450 in the human ovary. *J Reprod Fertil* 1989;85:163.
67. Schipper I, de Jong FH, Fauser BCJM. Lack of correlation between maximum early follicular phase serum follicle stimulating hormone concentrations and menstrual cycle characteristics in women under the age of 35 years. *Hum Reprod* 1998;13:1442.
68. Shoham Z, Mannaerts B, Insler V, Coelingh-Bennink H. Induction of follicular growth using recombinant human follicle-stimulating hormone in two volunteer women with hypogonadotropic hypogonadism. *Fertil Steril* 1993;59:738.
69. Streuli I, Fraisse T, Pillet C, Ibecheole V, Bischof P, de Ziegler D. Serum antimüllerian hormone levels remain stable throughout the menstrual cycle and after oral or vaginal administration of synthetic sex steroids. *Fertil Steril* 2008;90:395.
70. Treloar AE, Boynton RE, Borghild GB, Brown BW. Variation of the human menstrual cycle through reproductive life. *Int J Fertil* 1967;12:77.
71. Urban RJ, Veldhuis JD, Dufau ML. Estrogen regulates the gonadotropin-releasing hormone-stimulated secretion of biologically active luteinizing hormone. *J Clin Endocrinol Metab* 1991;127:660.
72. Vande Wiele RL, Bogumil J, Dyrenfurth I, Ferin M, Jewelewicz R, Warren M, Rizkallah T, Mikhail G. Mechanisms regulating the menstrual cycle in women. *Recent Prog Horm Res* 1970;26:63.
73. Vollman RF. The menstrual cycle, In: Friedman E, ed. Major

- Problems in Obstetrics and Gynecology, W.B. Saunders Co., Philadelphia, 1977.
74. Welt CK, Smith ZA, Pauler DK, Hall JE. Differential regulation of inhibin A and inhibin B by luteinizing hormone, follicle-stimulating hormone, and stage of follicle development. *J Clin Endocrinol Metab* 2001;86:2531.
75. Westergaard CG, Byskov AG, Andersen CY. Morphometric characteristics of the primordial to primary follicle transition in the human ovary in relation to age. *Hum Reprod* 2007;22:2225.
76. World Health Organization Task Force Investigators. Temporal relationships between ovulation and defined changes in the concentration of plasma estradiol- 17β , luteinizing hormone, follicle stimulating hormone, and progesterone. *Am J Obstet Gynecol* 1980;138:383.
77. Yamoto M, Shima K, Nakano R. Gonadotropin receptors in human ovarian follicles and corpora lutea throughout the menstrual cycle. *Horm Res* 1992;37(Suppl 1):5.
78. Yoshimura Y, Wallach EE. Studies on the mechanism(s) of mammalian ovulation. *Fertil Steril* 1987;47:22.
79. Young JR, Jaffe RB. Strength-duration characteristics of estrogen effects on gonadotropin response to gonadotropin-releasing hormone in women. II. Effects of varying concentrations of estradiol. *J Clin Endocrinol Metab* 1976;42:432.
80. Young KA, Chaffin CL, Molskness TA, Stouffer RL. Controlled ovulation of the dominant follicle: a critical role for LH in the late follicular phase of the menstrual cycle. *Hum Reprod* 2003;18:2257.