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 참고 문헌

1. 구병삼. 우리나라 여성 초경에 관한 연구. 대한산부회지 1977;20:623-47.
2. 박미정, 이인숙, 신은경, 정효지, 조성일. 한국 청소년의 성성숙 시기 및 장기간의 초경연령 추세분석. 소아과 2006;49:610-6.
3. 신재철, 이찬, 문준, 오민정, 김탁, 구병삼 등. 한국 10대 여성의 초경에 관한 연구. 대한산부회지 1996;39:865-79.
4. 홍창호, 노혜옥, 송상희. 한국 남녀 청소년의 성성숙도에 관한 연구. 소아과 1994;37:193-8.
5. Abbassi V. Growth and normal puberty. Pediatrics 1998;102:507-11.
6. Aksglaede L, Sørensen K, Petersen JH, Skakkebaek NE, Juul A. Recent decline in age at breast development: the Copenhagen Puberty Study. Pediatrics 2009;123:e932-9.
7. Anderson SE, Dallal GE, Must A. Relative weight and race influence average age at menarche: results from two nationally representative surveys of US girls studied 25 years apart. Pediatrics 2003;111:844-50.
8. Anderson SE, Must A. Interpreting the continued decline in the average age at menarche: results from two nationally representative surveys of U.S. girls studied 10 years apart. J Pediatr 2005;147:753-60.
9. Biason-Lauber A, Zachmann M, Schoenle EJ. Effect of leptin on CYP17 enzymatic activities in human adrenal cells: new insight in the onset of adrenarche. Endocrinology 2000;141:1446-54.
10. Biro FM, Greenspan LC, Galvez MP, Pinney SM, Teitelbaum S, Windham GC, et al. Onset of breast development in a longitudinal cohort. Pediatrics 2013;132:1019-27.
11. Cabrera SM, Bright GM, Frane JW, Blethen SL, Lee PA. Age of thelarche and menarche in contemporary US females: a cross-sectional analysis. J Pediatr Endocrinol Metab 2014;27:47-51.
12. Chehab FF, Lim ME, Lu R. Correction of the sterility defect in homozygous obese female mice by treatment with the human recombinant leptin. Nat Genet 1996;12:318-20.
13. Cho GJ, Park HT, Shin JH, Hur JY, Kim YT, Kim SH, et al. Age at menarche in a Korean population: secular trends and influencing factors. Eur J Pediatr 2010;169:89-94.
14. Claypool LE, Kasuya E, Saitoh Y, Marzban F, Terasawa E. N-methyl D, L-aspartate induces the release of luteinizing hormone-releasing hormone in the prepubertal and pubertal female rhesus monkey as measured by in vivo push-pull perfusion in the stalk-median eminence. Endocrinology 2000;141:219-28.
15. Coleman DL. Obese and diabetes: two mutant genes causing diabetes-obesity syndromes in mice. Diabetologia 1978;14:141-8.
16. Colón I, Caro D, Bourdony CJ, Rosario O. Identification of phthalate esters in the serum of young Puerto Rican girls with premature breast development. Environ Health Perspect 2000;108:895-900.
17. Day FR, Thompson DJ, Helgason H, Chasman DI, Finucane H, Sulem P, et al. Genomic analyses identify hundreds of variants associated with age at menarche and support a role for puberty timing in cancer risk. Nat Genet 2017;49:834-41.
18. de Roux N, Genin E, Carel JC, Matsuda F, Chaussain JL, Milgrom E. Hypogonadotropic hypogonadism due to loss of function of the Kiss1-derived peptide receptor GPR54. Proc Natl Acad Sci U S A 2003;100:10972-6.
19. Eckert-Lind C, Busch AS, Petersen JH, Biro FM, Butler G, Bräuner EV, et al. Worldwide Secular Trends in Age at Pubertal Onset Assessed by Breast Development Among Girls: A Systematic Review and Meta-analysis. JAMA Pediatr 2020;174:e195881. doi: 10.1001/jamapediatrics.2019.5881.

20. Elias CF. Leptin action in pubertal development: recent advances and unanswered questions. *Trends Endocrinol Metab* 2012;23:9-15.
21. Farooqi IS, Jebb SA, Langmack G, Lawrence E, Cheetham CH, Prentice AM, et al. Effects of recombinant leptin therapy in a child with congenital leptin deficiency. *N Engl J Med* 1999; 341:879-84.
22. Foster TA, Voors AW, Webber LS, Frerichs RR, Berenson GS. Anthropometric and maturation measurements of children, ages 5 to 14 years, in a biracial community-the Bogalusa Heart Study. *Am J Clin Nutr* 1977;30:582-91.
23. Freedman DS, Khan LK, Serdula MK, Dietz WH, Srinivasan SR, Berenson GS. Relation of age at menarche to race, time period, and anthropometric dimensions: the Bogalusa Heart Study. *Pediatrics* 2002;110:e43.
24. Frisch RE, Revelle R. Height and weight at menarche and a hypothesis of critical body weights and adolescent events. *Science* 1970;169:397-9.
25. Frisch RE, Wyshak G, Vincent L. Delayed menarche and amenorrhea in ballet dancers. *N Engl J Med* 1980;303:17-9.
26. Frisch RE. Body fat, menarche, fitness and fertility. *Hum Reprod* 1987;2:521-33.
27. Frisch RE, Gotz-Welbergen AV, McArthur JW, Albright T, Witschi J, Bullen B, et al. Delayed menarche and amenorrhea of college athletes in relation to age of onset of training. *JAMA* 1981;246:1559-63.
28. Gilsanz V, Roe TF, Mora S, Costin G, Goodman WG. Changes in vertebral bone density in black girls and white girls during childhood and puberty. *N Engl J Med* 1991;325:1597-600.
29. Guercio G, Rivarola MA, Chaler E, Maceiras M, Belgorosky A. Relationship between the growth hormone/insulin-like growth factor-I axis, insulin sensitivity, and adrenal androgens in normal prepubertal and pubertal girls. *J Clin Endocrinol Metab* 2003;88:1389-93.
30. Harlan WR, Harlan EA, Grillo GP. Secondary sex characteristics of girls 12 to 17 years of age: the U.S. Health Examination Survey. *J Pediatr* 1980;96:1074-8.
31. He C, Kraft P, Chen C, Buring JE, Paré G, Hankinson SE, et al. Genome-wide association studies identify loci associated with age at menarche and age at natural menopause. *Nat Genet* 2009;41:724-8.
32. Herman-Giddens ME, Slora EJ, Wasserman RC, Bourdony CJ, Bhapkar MV, Koch GG, et al. Secondary sexual characteristics and menses in young girls seen in office practice: a study from the Pediatric Research in Office Settings network. *Pediatrics* 1997;99:505-12.
33. Hwang JY, Shin C, Frongillo EA, Shin KR, Jo I. Secular trends in age at menarche for South Korean women born between 1920 to 1986: the Ansan Study. *Ann Hum Biol* 2003;30:434-42.
34. Kaynard AH, Pau KY, Hess DL, Spies HG. Third-ventricular infusion of neuropeptide Y suppresses luteinizing hormone secretion in ovariectomized rhesus macaques. *Endocrinology* 1990;127:2437-44.
35. Lee JM, Appugliese D, Kaciroti N, Corwyn RF, Bradley RH, Lumeng JC. Weight status in young girls and the onset of puberty. *Pediatrics* 2007;119:e624-30.
36. Lee MH, Kim SH, Oh M, Lee KW, Park MJ. Age at menarche in Korean adolescents: trends and influencing factors. *Reprod Health* 2016;13:121-7.
37. Lehman MN, Coolen LM, Goodman RL. Minireview: kisspeptin/neurokinin B/dynorphin (KNDy) cells of the arcuate nucleus: a central node in the control of gonadotropin-releasing hormone secretion. *Endocrinology* 2010;151:3479-89.
38. Ma HM, Du ML, Luo XP, Chen SK, Liu L, Chen RM, et al. Onset of breast and pubic hair development and menses in urban chinese girls. *Pediatrics* 2009;124:e269-77.
39. Marshall WA, Tanner JM. Variations in pattern of pubertal changes in girls. *Arch Dis Child* 1969;44:291-303.
40. Matkovic V, Ilich JZ, Skugor M, Badenhop NE, Goel P, Clairmont A, et al. Leptin is inversely related to age at menarche in human females. *J Clin Endocrinol Metab* 1997;82:3239-45.
41. McKay HA, Bailey DA, Mirwald RL, Davison KS, Faulkner RA. Peak bone mineral accrual and age at menarche in adolescent girls: a 6-year longitudinal study. *J Pediatr* 1998;133:682-7.
42. Mitsushima D, Hei DL, Terasawa E. Gamma-Aminobutyric acid is an inhibitory neurotransmitter restricting the release of luteinizing hormone-releasing hormone before the onset of puberty. *Proc Natl Acad Sci U S A* 1994;91:395-9.
43. Nicolson AB, Hanley C. Indices of physiological maturity: derivation and interrelationships. *Child Dev* 1953;24:3-38.
44. Ong KK, Elks CE, Li S, Zhao JH, Luan J, Andersen LB, et al. Genetic variation in LIN28B is associated with the timing of puberty. *Nat Genet* 2009;41:729-33.
45. Palmert MR, Boepple PA. Variation in the timing of puberty: clinical spectrum and genetic investigation. *J Clin Endocrinol Metab* 2001;86:2364-8.
46. Parent A-S, Teilmann G, Juul A, Skakkebaek NE, Toppari J, Bourguignon J-P. The timing of normal puberty and the age limits of sexual precocity: variations around the world, secular trends, and changes after migration. *Endocr Rev* 2003;24:668-93.

47. Park SH, Shim YK, Kim HS, Eun BL. Age and seasonal distribution of menarche in Korean girls. *J Adolesc Health* 1999;25:97.
48. Rosenfield RL, Lipton RB, Drum ML. Thelarche, pubarche, and menarche attainment in children with normal and elevated body mass index. *Pediatrics* 2009;123:84-8.
49. Seminara SB, Messenger S, Chatzidaki EE, Thresher RR, Acirerno JS Jr, Shagoury JK, et al. The GPR54 gene as a regulator of puberty. *N Engl J Med* 2003;349:1614-27.
50. Seo MY, Kim SH, Juul A, Park MJ. Trend of Menarcheal Age among Korean Girls. *J Korean Med Sci* 2020;35:e406. doi: 10.3346/jkms.2020.35.e406.
51. Siervogel RM, Maynard LM, Wisemandle WA, Roche AF, Guo SS, Chumlea WC, et al. Annual changes in total body fat and fat-free mass in children from 8 to 18 years in relation to changes in body mass index. *The Fels Longitudinal Study. Ann N Y Acad Sci* 2000;904:420-3.
52. Silventoinen K, Haukka J, Dunkel L, Tynelius P, Rasmussen F. Genetics of pubertal timing and its associations with relative weight in childhood and adult height: the Swedish Young Male Twins Study. *Pediatrics* 2008;121:e885-91.
53. Simon D. Puberty in chronically diseased patients. *Horm Res* 2002;57:53-6.
54. Sun SS, Schubert CM, Chumlea WC, Roche AF, Kulin HE, Lee PA, et al. National estimates of the timing of sexual maturation and racial differences among US children. *Pediatrics* 2002;110:911-9.
55. Susman EJ, Houts RM, Steinberg L, Belsky J, Cauffman E, Dehart G, et al. Longitudinal development of secondary sexual characteristics in girls and boys between ages 9 1/2 and 15 1/2 years. *Arch Pediatr Adolesc Med* 2010;164:166-73.
56. Tanner JM, Davies PS. Clinical longitudinal standards for height and height velocity for North American children. *J Pediatr* 1985;107:317-29.
57. Terasawa E, Kurian JR, Guerriero KA, Kenealy BP, Erika D, Keen KL. Recent discoveries on the control of GnRH neurons in nonhuman primates. *J Neuroendocrinol* 2011;22:630-8.
58. Theintz G, Buchs B, Rizzoli R, Slosman D, Clavien H, Sizonenko PC, et al. Longitudinal monitoring of bone mass accumulation in healthy adolescents: evidence for a marked reduction after 16 years of age at the levels of lumbar spine and femoral neck in female subjects. *J Clin Endocrinol Metab* 1992;75:1060-5.
59. Topaloglu AK, Reimann F, Guclu M, Yalin AS, L, Kotan D, Porter KM, et al. TAC3 and TACR3 Mutations in Familial Hypogonadotropic Hypogonadism Reveal a Key Role for Neurokinin B in the Central Control of Reproduction. *Nat Genet* 2009;41:354-8.
60. Treloar SA, Martin NG. Age at menarche as a fitness trait: nonadditive genetic variance detected in a large twin sample. *Am J Hum Genet* 1990;47:137-48.
61. Uenoyama Y, Tsukamura H, Maeda K. KNDy neuron as a gatekeeper of puberty onset. *J Obstet Gynaecol Res* 2014;40:1518-26.
62. Wu T, Mendola P, Buck GM. Ethnic differences in the presence of secondary sex characteristics and menarche among US girls: the Third National Health and Nutrition Examination Survey, 1988-1994. *Pediatrics* 2002;110:752-7.
63. Zhang Y, Proenca R, Maffei M, Barone M, Leopold L, Friedman JM. Positional cloning of the mouse obese gene and its human homologue. *Nature* 1994;372:425-32.