

เอกสารอ้างอิง

1. Abbie, A.A., and Adey, W.R. : Ossification in Central Australian tribe, Hum. Biol. 25 : 265-278, 1953.
2. Acheson, R.M. : A method of assessing skeletal maturity from radiographs, J. Anat., 88 : 498-508, 1954.
3. Bambha, J.K. : Longitudinal cephalometric radiographic study of face and cranium in relation to body height, J. Am. Dent. Assoc. 63 : 776-799, 1961.
4. Bambha, J.K. and Van Natta, P. : Longitudinal study of facial growth in relation to skeletal maturation during adolescence, Am. J. Orthod. 49 : 481-493, 1963.
5. Bayley, N. : Size and body build of adolescents in relation to rate of skeletal maturity, Child Development, 13 : 51-89, 1942.
6. Biggerstaff, R.H. : Forensic dentistry and the assessment of skeletal age using hand-wrist film standards, Dental Clinics of North America, 21 (1) : 159-166, 1977.
7. Björk, A., and Helm, S. : Prediction of the age of maximum puberal growth in body height, Angle Orthod. 37 : 134-143, 1967.



8. Björk, Arne, Helm, Sven, Siersbaek-Nielsen, Susanne, Skieller, Vibeke. : Skeletal maturation of the hand in relation to maximum growth in body height. "Essays presented to Arne Björk on his sixteenth birthday." (Danish Dental Journal) 1143-1340, 1971.
9. Boas, Franz, : Studies in growth, Human Biology, 4 : 307-350, 1932.
10. Bolton, : Bolton standards of dentofacial development growth, B. Lolly Broadbent, Sr. William, H. Golden. C.V. Mosby Company, 115-128, 1975.
11. Bojlen, K., Rasch, G, and Weis Bentzan, M. : The age incidence of the menarche in Copenhagen, Acta obstel. gynec. scand., 33 : 405-33, 1954.
12. Brown, T. : Skeletal maturity and facial growth assessment, Aust. Orthod. J. 2 : 80-87, 1970.
13. Buehl, C., and Pyle, I. : The use of age at first appearance of three ossification centers in determining the skeletal status of children, J. Pediat., 21 : 335-342, 1942.
14. Burstone, C.J. : Process of maturation and growth prediction, Am. J. Orthod. 49 (12) : 907-919, 1963.
15. Chapman, S.M. : Ossification of the adductor sesamoid and the adolescent growth spurt, Angle Orthod. 42 (3) : 236-244, 1972.

16. Christie, A. : Prevalence and distribution of ossification centers in the newborn infant. *Amer. J. Diseases Child.*, 77 : 355-361, 1949.
17. Crampton, C.W. : Anatomical or physical age versus chronologic age, *Pediatr. Sem.* 15 : 230-237, 1908.
18. Falkner, F. : The physical development of children. *Pediatrics*, 29 : 448-467, 1962.
19. Dermaut, L.R. & Tofani, M.I. : Changes in anterior facial height in girls during puberty, *Angle Orthod.* 48 : 163-171, 1978.
20. Flory, C. : Osseous development in the hand as an index of skeletal development, *Monogr. Soc. Res. Child Develop.*, Vol. I, No. 3, 141 pp., Committee on Child Develop., Univ. Chicago Press, 1936.
21. Frisancho, A.R., Garn, S.M. and Rohmann, C.G., : Age at menarche : A new method of prediction and retrospective assessment based on hand x-rays, *Human Biology*, 41 : 42-50, 1969.
22. Finney, D.J. : Probit analysis, 2nd ed., Cambridge University Press. Cambridge, 333pp, 1952.
23. Garn, S.M., and Rohmann, C.G. : The adductor sesamoid of the thumb, *Am. J. Phys. Anthropol.* 20 : 297-302, 1962.



24. Grave, K.C. : Timing of facial growth : A study of relations with stature and ossification in the hand around puberty, Aust. Orthod. J. 3 : 117-122, 1973.
25. Grave, K.C. and Brown, T. : Carpal radiographs in orthodontic treatment, Am. J. Orthod. 75 (1) : 27-45, 1979.
26. Grave, K.C. and Brown, T. : Skeletal ossification and the adolescent growth spurt, Am. J. Orthod. 69 (6) : 611-619, 1976.
27. Greulich, W.W. : The rationale of assessing the developmental status of children from roentgenograms of the hand and wrist, Child Development, 21 : 33-44, 1950.
28. Greulich, W.W., and Pyle, S.I. : Radiographic atlas of skeletal development of the hand and wrist, ed. 2, Oxford, 1959, Oxford University Press.
29. Greulich, W.W., Waterhouse, A.M., and Pyle, S.I. : A Radiographic standard reference for the growing hand and wrist. Chicago, Year Pock Medical Publishers, Inc., 1971.
30. Hagg, U. & Taranger, J. : Skeletal stages of the hand and wrist as indicators of the pubertal growth spurt, Acta Odontol. Scand, 38 : 187-200, 1980.
31. Hagg, U. & Taranger, J. : Menarche and voice change as indicators of the pubertal growth spurt, Acta Odontol Scand, 38 : 179-186, 1980.

32. Hanes, R.A. : Facial growth (Comparison of body profile change),
Am. J. Orthod, 45 (5) : 353-364, 1959.
33. Hansman, C.F., and Maresch, M.M. : A longitudinal study of
skeletal maturation, Am. J. Dis.Child. 101 : 305-321,
1961.
34. Hewitt, D. and R.M. Acheson : Some aspects of skeletal develop-
ment through adolescence. II The interrelationship
between maturation and growth at puberty. Amer. J. Phys.
Anth., n.s., 19 : 333-344, 1961.
35. Howard, C.C. : The physiologic progress of the bone centers of
the hand of normal children between the ages of 5 and 16
inclusive ; also a comparative study of both retarded
and accelerated hand growth in children whose general
skeletal growth is similarly affected, Int. J. Orthod.
14 : 948-997, 1928.
36. Hunter, C.J. : The correlation of facial growth with body height
and skeletal maturation at adolescence, Angle Orthod, 36
(1) : 44-54, 1966.
37. Johnston, F.E. : The relationship of certain growth variables
to chronological and skeletal age, Human Biology, 36 :
16-27, 1964.



38. Lande, M.J., Growth Behavior of the human bony facial profile as revealed by serial cephalometric roentgenology, *Angle Orthodont.*, 22 : 78-90, 1952.
39. Maresh, M. : Evaluation of skeletal maturation. Report of the Twenty-Sixth. Ross Pediatric Conf., pp. 45-49. Ross Laboratories, Columbus, Ohio.
40. Marshall, D. : Radiographic correlation of hand, wrist and tooth development, *Dental radiography and photography*, 49 (3) : 51-72, 1976.
41. Meredith, H.V. : Body size of contemporary groups of eight-years-old children studied in different parts of the world, *Monographs of the society for research in Child Development*, 1969.
42. Nanda, R.S. : The rates of growth of several facial components measured from serial cephalometric roentgenograms, *Am. J. Orthod.* 41 : 658-673, 1955.
43. Pike, J.B. : A Serial investigation of facial and statural growth in seven to twelve year old children, *growth* 38 (1) 63-73, 1968.
44. Pileske, R.C.A., Woodside, D.G. , and James, G.A. : Relationship of the ulnar sesamoid bone and maximum mandibular growth velocity, *Angle Orthod.*, 43 : 162-170, 1973.

45. Pryor, J.W. : Development of the bones of the hand, Bull. State Coll. Kentucky, series 2 : 95, 1905.
46. Roche, A.F. & Davila, G.H. : The reliability of assessments of the maturity of individual hand-wrist bones. Hum. Biol., 48 : 585-597, 1976.
47. Rose, G.J. : A cross-sectional study of the relationship of facial area with several body dimension, Angle Orthod. 30 (1) : 6-13, 1960.
48. Rotch, T.M. : Chronologic and anatomic ages in early life, J.A. M.A., 51 : 1197-1205, 1908.
49. Scammon, R.E. : The first Seriatim Study of human growth, Amer. J. Phys. Anthropol., 10 : 329-336, 1927.
50. Shuttleworth, F. : Sexual maturation and the physical growth of girls age six to nineteen, Monogr. Soc. Res. Child Develop., No. 5, 253pp., 1937.
51. Siegel, S. : Nonparametric statistics for the Behavioral Sciences, Mc. Graw-Hill, New York, 1956.
52. Sinclair, D. : Human growth after birth, London, 1969, Oxford University Press.
53. Smith, R.J. : Misuse of hand-wrist radiographs, Am. J. Orthod. 77 (1) : 75-78, 1980.

54. Swan, A.V. : Computing maximum-likelihood estimates for parameters of the normal distribution from grouped and censored data, *J.R. Statist. Soc. Ser. C* 18, p65, 1969.
55. Tanner, J.M. : Education and physical growth, New York : International Universities Press, 1960.
56. Tanner, J.M. : Human Growth, New York, Pergamon Press, Inc., pp. 43-57, 1960.
57. Tanner, J.M. : Growth at adolescence, 2 nd. ed., Blackwell, Oxford, 1962.
58. Tanner, J.M., Whitehouse, R., and Healy, M. : A new system for estimating skeletal maturity from the hand and wrist, with standards derived from a study of 2,600 healthy British children. Part II : The scoring system, International Children's Centre, Paris, 1962.
59. Taranger, J. : Evaluation of biological maturation by means of maturity criteria. *Acta Paediatr. Scand. Suppl*, 258 : 77-82, 1976.
60. Taranger, J. & Hagg, U. : The timing and duration of adolescent growth, *Acta Odontol. Scand*, 38 : 57-67, 1980.
61. Thompson, G.W., and Popovich, F. : Relationship of craniofacial changes and skeletal age increments in females, *Hum. Biol*, 45 : 595-603, 1973.

62. Todd, T.W. : Atlas of skeletal maturation (hand), St. Louis :
C.V. Mosby Co., 1937.
63. Webber, H.E. : A practical roentgenographic densitometer, Am.
J. Roentgenol, 46 : 104-108, July, 1941.





ประวัติผู้เขียน

นางสาว บุญมี เจียรไพศาลเจริญ เกิดเมื่อวันที่ 13 มิถุนายน 2496 ณ บ้านเดิม ซอยวานิช 1 ถนนทรงวาด อำเภอสัมพันธวงศ์ จังหวัดกรุงเทพมหานคร สำเร็จ การศึกษาวิทยาศาสตร์การแพทย์บัณฑิตและทันตแพทยศาสตรบัณฑิตจากจุฬาลงกรณ์มหาวิทยาลัย เมื่อปีการศึกษา 2519 และ 2521 ตามลำดับ เข้ารับตำแหน่งทันตแพทย์ฝึกหัดลูกจ้างชั่วคราว ของภาควิชาโรงพยาบาล คณะทันตแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย เมื่อปี พุทธศักราช 2522 ได้เข้าศึกษาเป็นนิสิตมหาบัณฑิต บัณฑิตวิทยาลัย จุฬาลงกรณ์มหาวิทยาลัย ในสาขาวิชาทันตกรรมจัดฟัน ภาควิชาทันตกรรมจัดฟัน เมื่อปีพุทธศักราช 2523