

## Ageing Bibliography

- Aiello, L.C. & T. Molleson. 1993. Are microscopic ageing techniques more accurate than macroscopic ageing techniques? *Journal of Archaeological Science* 20: 689-704.
- Ajmal, M. et al. 2001. Age estimation using three established methods: A study on Indian population. *Forensic Science International* 122(2): 150-154.
- Albert, A.M. K. Ricanek, Jr., and E. Patterson. 2007. 'A Review of the Literature on the Aging Adult Skull and Face: Implications for Forensic Science Research and Applications', *Forensic Sci Int* 172(1): 1-9.
- Albert, A.M. 1998. 'The Use of Vertebral Ring Epiphyseal Union for Age Estimation in Two Cases of Unknown Identity', *Forensic Sci Int* 97 (1):11-20.
- Albert, A.M. and W. R. Maples, 1995. 'Stages of Epiphyseal Union for Thoracic and Lumbar Vertebral Centra as a Method of Age Determination for Teenage and Young Adult Skeletons', *J Forensic Sci* 40 (4): 623-33.
- Anderson, D.L., Thompson, G.W. & F. Popovich. 1976. Age of attainment of mineralization stages of the permanent dentition. *Journal of Forensic Sciences* 21: 191-200.
- Arany, S., Ohtani, S., Yoshioka, N. & K. Gonmori. 2004. Age estimation from aspartic acid racemization of root dentin by internal standard method. *Forensic Science International* 141 (2-3): 127-130.
- Aykroyd, R.G., Ludy, D., Pollard, A.M. & T. Solheim. 1997. Technical note: regression analysis in adult age estimation. *American Journal of Physical Anthropology* 104: 259-265.
- Baccino, E., Ubelaker, D.H., Hayek, L.C. & A. Zerilli. 1999. Evaluation of seven methods of estimating age at death from mature human skeletal remains. *Journal of Forensic Sciences* 44: 931-36.
- Bang, G 1989 Age changes in the teeth” developmental and regressive. In Age markers in the human skeleton. Iscan, M.Y. (ed) pp211-235 Springfield Illinois. Charles C. Thomas
- Barrier, P. et al. 2009. 'Age at Death Estimation Using Multislice Computed Tomography Reconstructions of the Posterior Pelvis', *J Forensic Sci* 54 (4): 773-8.
- Beauthier, J.P. et al. Palatine Sutures as Age Indicator: A Controlled Study in the Elderly', *J Forensic Sci* 55 (1): 153-8.
- Baumann, U. et al., 2009.'Reference Study on the Time Frame for Ossification of the Distal Radius and Ulnar Epiphyses on the Hand Radiograph', *Forensic Sci Int* 191 (1-3): 15-8.
- Bedford, M.E., Russell, K.F., Lovejoy, C.O., Meindl, R.S., Simpson, S.W. & P.L. Stuart-Macadam. 1993. A test of the multifactorial aging method using skeletons with known ages at death from the Grant Collection. *American Journal of Physical Anthropology* 91: 287-297.
- Belcastro, M.,G. E. Rastelli, and V. Mariotti. 2008. 'Variation of the Degree of Sacral Vertebral Body Fusion in Adulthood in Two European Modern Skeletal Collections', *Am J Phys Anthropol* 135 (20): 149-60.
- Berg, G.E. 2008. 'Pubic Bone Age Estimation in Adult Women', *J Forensic Sci* 53 (3): 569-77.
- Black, S., & L. Scheuer. 1996. Age changes in the clavicle: from the early neonatal period to skeletal maturity. *International Journal of Osteoarchaeology* 6: 425-434.

- Boldsen, J.L., Milner, G.R., Konigsberg, L.W. & J.W. Wood. 2002. Transitional analysis: a new method for estimating age from skeletons, in R.D. Hoppa & J.W. Vaupel (eds.) *Paleodemography*: 73-106. Cambridge: Cambridge University Press.
- Brooks, S.T. 1955. Skeletal age at death: the reliability of cranial and pubic age indicators. *American Journal of Physical Anthropology* 13: 567-597.
- Brooks, S.T. & J.M. Suchey. 1990. Skeletal age determination based on the os pubis: a comparison of the Acsádi-Nemeskéri and Suchey-Brooks methods. *Human Evolution* 5: 227-238.
- Brown, T. & K.C. Grave 1976 Skeletal maturation in Australian Aborigines. *Australian Pdeiatric Journal* 12:24-30.
- Buckberry, J.L. & A.T. Chamberlain. 2002. Age estimation from the auricular surface of the ilium: a revised method. *American Journal of Physical Anthropology* 119: 231-239.
- Buikstra, J.E. & D.H. Ubelaker. 1994. *Standards for Data Collection from Human Skeletal Remains*. Fayetteville: Archaeological Survey Research Series No. 44.
- Cameriere, R. et al. 2006. 'Reliability in Age Determination by Pulp/Tooth Ratio in Upper Canines in Skeletal Remains', *J Forensic Sci* 51(4): 861-4.
- Cameriere, R. and L. Ferrante, 'Age Estimation in Children by Measurement of Carpals and Epiphyses of Radius and Ulna and Open Apices in Teeth: A Pilot Study', *Forensic Sci Int* 174(1): 60-63.
- Cameriere, R. et al. 2006. 'Carpals and Epiphyses of Radius and Ulna as Age Indicators', *Int J Legal Med* 120(3): 143-6.
- Cardoso, H.F. 2008. Age estimation of adolescent and young adult male and female skeletons II, epiphyseal union at the upper limb and scapular girdle in a modern Portuguese skeletal collection. ??.
- Chaillet, N.M., Nystrom, M. & A. Demirjian 2005. Comparison of dental maturity in children of different ethnic origins: international maturity curves for clinicians. *Journal of Forensic Sciences* 50:1164-1172.
- Chan, A.H.W., Crowder, C.M. and T.L. Rogers, 2007 Variation in cortical bone histology within the human femur and its impact. *American Journal of Physical Anthropology* 132 (1): 80-85.
- Corsini, M. M., A. Schmitt, and J. Bruzek. 2005. 'Aging Process Variability on the Human Skeleton: Artificial Network as an Appropriate Tool for Age at Death Assessment', *Forensic Sci Int* 148 (2-3): 163-7.
- Cox, M. 2000 Aging adults from the skeleton. In *Human osteology: In Archaeology and Forensic Science*, Cox, M. and S. Mays (eds) pp62-81. London, Greenwich medical Media.
- Crowder, C. & D. Austin. 2005. Age ranges of epiphyseal fusion in the distal tibia and fibula of contemporary males and females. *Journal of Forensic Sciences* 50: 1001-1007.
- Demirjian, A & H. Goldstein. 1976. New systems for dental maturity based on seven and four teeth. *Annals of Human Biology* 3: 411-421.
- Demirjian, A. 1986. Dentition, in F. Falkner and J.M. Tanner (eds.) *Human Growth*: 269-298. New York: Plenum.

- Diamanti, J. and G.C. Townsend 2003 New standards for permanent tooth emergence in Australian children. *Australian Dental Journal* 48:39-42.
- Deutsch, D., Tam, O. & M.V. Stach. 1985. Postnatal changes in size, morphology and weight of developing postnatal deciduous anterior teeth. *Growth* 49: 202-117.
- Dudar, J.C. Pfeiffer, S. & S.R. Saunders 1993 Evaluation of morphological and histological adult skeletal age at death estimation techniques using ribs. *Journal of Forensic Sciences* 38: 677-685.
- Eliopoulos, C. et al. A modern, documented human skeletal collection from Greece. *Homo* 58(3): 221-228.
- Farah, C.S. et al. 1999. Dental maturity of children in Perth, Western Australia, and its application in forensic age estimation. *Journal of Clinical Forensic Medicine* 6(1): 14-18.
- Fazekas, I.G. & F. Kósa. 1978. *Forensic Fetal Osteology*. Budapest: Akadémiai Kiadó.
- FitzGerald, C.M. 1998. Do enamel microstructures have regular time dependency? Conclusions from the literature and a large-scale study. *Journal of Human Evolution* 35: 371-386.
- Flecker, H. 1942 Time of appearance and fusion of ossification centers as observed by roentgenographic methods. *The American Journal of Roentgenology and Radium Therapy* 47:97-159.
- Foti, et al. 2003 New forensic approach to age determination in children based on tooth eruption *Forensic Science International* 132 (1): 49-56.
- Gilbert, B.M. & T.W. McKern. 1973. A method for aging the female os pubis. *American Journal of Physical Anthropology* 38: 31-38.
- Greulich, W.W. & S.I. Pyle. 1959. *Radiographic Atlas of Skeletal Development of the Hand and Wrist*, 2<sup>nd</sup> ed. Palo Alto: Stanford University Press.
- Griffin RC, Moody H, Penkman KE, Fagan MJ, Curtis N, Collins MJ. 2008A new approach to amino acid racemization in enamel: testing of a less destructive sampling methodology. *J Forensic Sci.* Jul;53(4):910-6.
- Gustafson, G. 1950. Age determination on teeth. *Journal of the American Dental Association* 41: 45-54.
- Hanihara, K. 1952. On the age changes in the male Japanese pubic bone. *Journal of the Anthropological Society of Nippon* 62: 245-260.
- Hanihara, K. & T. Suzuki. 1978. Estimation of age from the pubic symphysis by means of multiple regression analysis. *American Journal of Physical Anthropology* 48: 233-240.
- Harris, E.F and J.H. McKee 1990 Tooth mineralization standards for blacks and whites from middle southern United States. *Journal of Forensic Sciences* 35:859-872.
- Helfman, P.M. and J.L. Bada 1976 Aspartic acid racemisation in dentine as a measure of ageing *Nature* 262:279-281.
- Hens, S.M. 2008. Age Estimation from the Human Os Coxa: A Test on a Documented Italian Collection. *Journal of Forensic Sciences* 53(5): 1040-1043.
- Hillson, S. 1996 *Dental Anthropology*. Cambridge: Cambridge University Press.

- Hershkovitz, I., Latimer, B., Dutour, O., Jellema, L.M., Wish-Baratz, S., Rothschild, C. & B. Rothschild. 1997. Why do we fail in aging the skull from the sagittal sutures? *American Journal of Physical Anthropology* 103: 393-399.
- Hoffman, J.M. 1979 Age estimation from diaphyseal length: two months to twelve years. *Journal of Forensic Sciences* 24:461-469.
- Holden, J.L., Clement, J.G. & P.P. Phakey. 1995a. Age and temperature related changes to the structure and chemistry of human bone mineral. *Journal of Bone Mineral Research* 10(9): 1400-1409.
- Humphrey, L. 2000 Growth studies of past populations: an overview and an example. In *Archaeology and Forensic Science*, Cox, M. and S. Mays (eds) pp 23-38. London, Greenwich Medical Media.
- Igarashi, Y., Uesu, K., Wakebe, T. & E. Kanazawa. 2005. A new method for estimation of adult skeletal age at death from the morphology of the auricular surface of the ilium. *American Journal of Physical Anthropology* 128: 324-339.
- İşcan, M.Y. 1989. *Age Markers in the Human Skeleton*. Springfield IL: Charles C. Thomas.
- İşcan, M.Y., Loth, S.R. & R.K. Wright. 1984. Age estimation from the rib by phase analysis: white males. *Journal of Forensic Sciences* 29: 1094-1104.
- İşcan, M.Y., Loth, S.R. & R.K. Wright. 1985. Age estimation from the rib by phase analysis: white females. *Journal of Forensic Sciences* 30: 853-863.
- İşcan, M.Y. & S.R. Loth. 1989. Osteological manifestations of age in the adult, in M.Y. İşcan & K.A.R. Kennedy (eds) *Reconstruction of Life from the Skeleton*: 23-40. New York: Wiley-Liss.
- Jackes, M.K. 1985. Pubic symphysis age distributions. *American Journal of Physical Anthropology* 68: 281-299.
- Johnston, F.E. & L.O. Zimmer. 1989. Assessment of growth and age in the immature skeleton, in M.Y. İşcan & K.A.R. Kennedy (eds.) *Reconstruction of Life from the Skeleton*: 11-21. New York: Wiley-Liss.
- Katz, D. & J.M. Suchey. 1986. Age determination of the male os pubis. *American Journal of Physical Anthropology* 69: 427-435.
- Katz, D. & J.M. Suchey. 1989. Race differences in pubic symphyseal aging patterns in the male. *American Journal of Physical Anthropology* 80: 167-172.
- Kemkes-Grottenthaler, A. 1996. Critical evaluation of osteomorphognostic methods to estimate adult age at death: a test of the "complex method". *Homo* 46: 280-292.
- Kemkes-Grottenthaler, A. 2002. Aging through the ages: historical perspectives on age indicator methods, in R.D. Hoppa & J.W. Vaupel (eds.) *Paleodemography*: 48-72. Cambridge: Cambridge University Press.
- Kerley, E. R. 1970 Estimation of skeletal age: after about 30. In T.D. Stewart(ed) *Personal Identification in mass Disasters*.. Washington, DC: Smithsonian Institution, pp-57-70.
- Kim, Y-K., Kho, H-S. & K-H. Lee. 2000. Age estimation by occlusal tooth wear. *Journal of Forensic Science* 45: 303-309.
- Kimmerle, E. H., D. A. Prince, and G. E. Berg, 'Inter-Observer Variation in Methodologies Involving the Pubic Symphysis, Sternal Ribs, and Teeth', *J Forensic Sci* 53 (3): 594-600.

- Klepinger, L. 2001 Stature, maturation variation and secular trends in forensic anthropology. *Journal of Forensic Sciences* 46: 788-790.
- Klepinger, L. 2006 *Funderamentals of Forensic Anthropology*. Hoboken NJ: Wiley.
- Konigsberg L. W. et al. 2008. 'Estimation and Evidence in Forensic Anthropology: Age-at-Death', *J Forensic Sci* 53 (3): 541-57.
- Konigsberg, L. & D. Holman. 1999. Estimation of age at death from dental emergence and implications for studies of prehistoric somatic growth, in R.D. Hoppa & C.M. Fitzgerald (eds.) *Human Growth in the Past*: 264-289. Cambridge: Cambridge University Press.
- Kosa, F. and C. Castellana. 2005. 'New Forensic Anthropological Approachment for the Age Determination of Human Fetal Skeletons on the Base of Morphometry of Vertebral Column', *Forensic Sci Int* 147 Suppl: S69-74.
- Kreiter, K-F. et al. 1998. Bone age determination based on the study of the medial extremity of the clavicle. *European Radiology* 8(7): 111601122.
- Krogman, W.M. and M.Y Iscan 1986 *Human skeleton in forensic medicine*. 2<sup>nd</sup> Edn. Springfield Ill: Charles C. Thomas.
- Kunos, C.A., Simpson, S.W., Russell, K.F. & I. Hershkovitz. 1999. First rib metamorphosis: its possible utility for human age-at-death estimation. *American Journal of Physical Anthropology* 110: 303-323.
- Kurki, H. 2005. Use of the first rib for adult age estimation: a test of one method. *International Journal of Osteoarchaeology* 15: 342-350.
- Lamendin, H., Baccino, E., Humbert, J.F., Tavernier, J.C., Nossintchouk, R.M. & A. Zerillia. 1992. A simple technique for age estimation in adult corpses: the two criteria dental method. *Journal of Forensic Sciences* 37:1373-1379.
- Lampl, M. & F.E. Johnston. 1996. Problems in the aging of skeletal juveniles: Perspectives from maturation assessments of living children. *American Journal of Physical Anthropology* 101(3): 345-355.
- Li, C. and Ji, G. 1995. Age estimation from the permanent molar in northeast China by the method of average stage of attrition. *Forensic Science International* 75(2): 189-196.
- Liversidge;H.M. and Speechly, T. Growth of permanent mandibular teeth of British children aged 4 to 9 years. *Annals of Human Biology* 28(3): 256-262.
- Liversidge, H.M., Herdeg, B. & F.W. Rösing. 1998. Dental age estimation of non-adults. A review of methods and principles, in K.W. Alt, F.W. Rösing & M. Teschler-Nicola (eds.) *Dental Anthropology*: 419-442. New York: Springer-Verlag Wien.
- Logan, W.H.G. & R. Kronfeld. 1933. Development of the human jaws and surrounding structures from birth until the age of fifteen years. *Journal of the American Dental Association* 20: 379-427.
- Loth, S.R., İşcan, M.Y. & E.H. Scheuerman. 1994. Intercostal variation at the sternal end of the rib. *Forensic Science International* 65: 135-143.
- Lovejoy, C.O., Meindl, R.S., Mensforth, R.P. & T.J. Barton. 1985. Multifactorial determination of skeletal age at death: a method and blind tests of its accuracy. *American Journal of Physical Anthropology* 68: 1-14.

- Lovejoy, C.O., Meindl, R.S., Pryzbeck, T.R. & R.P. Mensforth. 1985. Chronological metamorphosis of the auricular surface of the ilium: a new method for the determination of adult skeletal age at death. *American Journal of Physical Anthropology* 68: 16-28.
- Lucy, D., Aykroyd, R.G., Pollard, A.M. & T. Solheim. 1996. A Bayesian approach to adult human age estimation from dental observations by Johanson's age changes. *Journal of Forensic Sciences* 41: 189-194.
- Mann, R.W., Jantz, R.L., Bass, W.M. & P.S. Willey. 1991. Maxillary suture obliteration: a visual method for estimating skeletal age. *Journal of Forensic Sciences* 36: 781-791.
- Maresh, M. 1955. Linear growth of long bones of extremities from infancy through adolescence. *American Journal of Diseases of Children* 89: 725-742.
- Martrille, L. et al. 2007. 'Comparison of Four Skeletal Methods for the Estimation of Age at Death on White and Black Adults', *J Forensic Sci* 52(2): 302-7.
- Masset, C. 1989. Age estimation on the basis of cranial sutures, in M.Y. İşcan (ed.) *Age markers in the Human Skeleton*: 71-103. Springfield IL: Charles C. Thomas.
- McKern, T.W. & T.D. Stewart. 1957. *Skeletal Age Changes in Young American Males. Technical Report EP45*. Natick, Mass.: U.S. Army Quartermaster Research and Development Center.
- McKern, T.W. 1957. Estimation of skeletal age from combined maturational activity. *American Journal of Physical Anthropology* 15: 399-408.
- Meindl, R.S. & C.O. Lovejoy. 1985. Ectocranial suture closure: a revised method for the determination of skeletal age at death and blind tests of its accuracy. *American Journal of Physical Anthropology* 68: 57-66.
- Meindl, R.S., Lovejoy, C.O., Mensforth, R.P. & R.A. Walker. 1985. A revised method of age determination using the os pubis, with a review and tests of accuracy of other current methods of pubis symphyseal ageing. *American Journal of Physical Anthropology* 68: 29-45.
- Meijerman, L., et al. 2007. 'Variables Affecting the Probability of Complete Fusion of the Medial Clavicular Epiphysis', *Int J Legal Med* 121(6): 463-8.
- Meinl, A. et al. 2007. 'The Chronology of Third Molar Mineralization in the Austrian Population--a Contribution to Forensic Age Estimation', *Forensic Sci Int* 169 (2-3): 161-7.
- Mensforth, R.P. & C.O. Lovejoy. 1985. Anatomical, physiological, and epidemiological correlates of the aging process: a confirmation of multifactorial age determination in the Libben skeletal population. *American Journal of Physical Anthropology* 68: 87-106.
- Molleson, A.A. and M. Cox 1993 *The Spitalfields Project: The Middling Sort. Vol. 2: The Anthropology*. CBA Research Report 86. Walmgate. York: Council for British Archaeology.
- Moorrees, C.F.A., Fanning, E.A. & E.E. Hunt. 1963. Age variation of formation stages for ten permanent teeth. *Journal of Dental Research* 42: 1490-1502.
- Mornstad, H., Pfeiffer, H. & A. Teivens. 1994. Estimation of dental age using HPLC-technique to determine the degree of aspartic acid racemization. *Journal of Forensic Sciences* 39(6): 1425-1431.

- Murray, K.A. & T.M. Murray. 1991. A test of the auricular surface aging technique. *Journal of Forensic Sciences* 36: 1162-1169.
- Oettle, A.C. and Steyn, M. 2000. Age estimation from sternal ends of ribs by phase analysis in South African Blacks. *Journal of Forensic Science* 45(5): 1071-9.
- Ohtani, S. & K. Yamamoto. Age estimation using the racemization of amino acid in human dentin. *Journal of Forensic Sciences* 36: 792-800.
- Ohtani, S. & K. Yamamoto. 1990. Estimating Age through the amino acid racemization of acid-soluble dentinal peptides. *Japanese Journal of Legal Medicine* 44(4): 342-345.
- Ohtani, S. & K. Yamamoto. 1991. Age estimation by amino acid racemization in teeth - a comparison of aspartic acid with glutamic acid and alanine as indicators. *Japanese Journal of Legal Medicine* 45(2): 119-123.
- Ohtani, S. & K. Yamamoto. 1992. Estimation of age from a tooth by means of racemization of an amino acid, especially aspartic acid--comparison of enamel and dentin. *Journal of Forensic Sciences* 37(4): 1061-1067.
- Ogino, T. & H. Ogino. 1985. Applications of aspartic acid racemization to forensic odontology: Postmortem designation of age at death. *Forensic Science International* 29: 259-267.
- Olze, A. et al. 2004. Forensic age estimation in living subjects: the ethnic factor in wisdom tooth mineralization. *International Journal of Legal Medicine* 118(3): 170-173.
- Osborne, D.L. Simmons, T.L.Narwrocki, S.P 2004 Reconsidering the auricular surface as an indicator of age at death. *Journal of Forensic Sciences* 49:905-911.
- Passalacqua, N. V. 2009. 'Forensic Age-at-Death Estimation from the Human Sacrum', *J Forensic Sci* 54 (2): 255-62.
- Passalacqua, N. V. ?? 'The Utility of the Samworth and Gowland Age-at-Death "Look-Up" Tables in Forensic Anthropology', *J Forensic Sci* 55(2): 482-7.
- Pasquier, E., Pernot, L.D.S.M., Burdin, V., Mounayer, C., Le Rest, C., Colin, D., Mottier, D., Roux, C. & E. Baccino. 1999. Determination of age at death: assessment of an algorithm of age prediction using numerical three-dimensional CT data from pubic bones. *American Journal of Physical Anthropology* 108: 261-268.
- Pfau, R.O. 1991. *A Method for Establishing the Chronological Age of Subadults Based upon the Covariance of Dental and Skeletal Development*. Ann Arbor: UMI Dissertation Services.
- Prieto, J.L. et al. 2005. Evaluation of chronological age based on third molar development in the Spanish population. *International Journal of Legal Medicine* 119 (6): 349-354.
- Prince, D.A. & D. Ubelaker. 2002. Application of Lamendin's adult dental aging technique to a diverse skeletal sample. *Journal of Forensic Sciences* 47: 107-116.
- Richards, L.C. and Millar, S.L.J. 1991 Relationships between age and dental attrition in Australian Aborigines *American Journal of Physical Anthropology* 84:159-164.
- Rissech, C, Estabrook, G.F., Cunha, C and A. Malgosa 2006 Using the acetabulum to estimate age at death of adult males. *Journal of Forensic Science* 51(2):213-229.
- Ritz-Timme, S., Cattaneo, C., Collins, M.J., Waite, E.R., Schütz, H.W., Kaatsch, H.-J., & H.I.M. Borrman. 2000. Age estimation: the state of the art in relation to the specific demands of forensic practise. *International Journal of Legal Medicine* 113: 129-136.

- Rogers, T.L. & T.T. Allard. 2004. Expert testimony and positive identification of human remains through cranial suture patterns. *Journal of Forensic Sciences* 49: 203-207.
- Rösing, F.W. & S. Kvaal. 1998. Dental age in adults – a review of estimation methods, in K.W. Alt, F.W. Rösing & M. Teschler-Nicola (eds.) *Dental Anthropology*: 443-468. New York: Springer-Verlag Wien.
- Rouge-Maillart, C. et al. 2009. 'Development of a Method to Estimate Skeletal Age at Death in Adults Using the Acetabulum and the Auricular Surface on a Portuguese Population', *Forensic Sci Int* 188(1-3): 91-5.
- Russell, K.F., Simpson, S.W., Genovese, J., Kinkel, M.D., Meindl, R.S. & C.O. Lovejoy. 1993. Independent test of the fourth rib aging technique. *American Journal of Physical Anthropology* 92: 53-62.
- Saunders, S.R. 2000. Subadult skeletons and growth-related studies, in M.A. Katzenberg & S.R. Saunders (eds.) *Biological Anthropology of the Human Skeleton*: 135-161. New York: Wiley-Liss.
- Saunders, S.R., Fitzgerald, C., Rogers, T., Dudar, J.C. & H. McKillop. 1992. A test of several methods of skeletal age estimation using a documented archaeological sample. *Canadian Society of Forensic Science* 25: 97-118.
- Schaefer M. C. and S. M. Black. 2007. 'Epiphyseal Union Sequencing: Aiding in the Recognition and Sorting of Commingled Remains', *J Forensic Sci* 52(2): 277-85.
- Scheuer, L. & S. Black. 2000. *Developmental Juvenile Osteology*. New York: Academic Press.
- Scheuer, L. & S. Black. 2004. *The Juvenile Skeleton*. London: Elsevier.
- Schmeling, A. et al. 2007. 'Age Estimation', *Forensic Sci Int* 165(2-3): 178-81.
- Schmeling, A. et al. 2005. 'Forensic Age Estimation and Ethnicity', *Leg Med (Tokyo)* 7(2):34-7.
- Schmeling, A. et al. 2001. 'Age Estimation of Living People Undergoing Criminal Proceedings', *Lancet* 358 (9276): 89-90.
- Schmeling, A. et al. 2000. Effects of ethnicity on skeletal maturation: consequences for forensic age estimations. *International Journal of Legal Medicine*. 113(5): 253-258.
- Schmitt, A. 2004 Age at death assessment using the os pubis and auricular surface of the ilium: a test on an identified Asian sample. *International Journal of Osteoarchaeology* 14:1-6.
- Schmidt, S. et al. 2008. 'Study of Age Dependence of Epiphyseal Ossification of the Hand Skeleton', *Int J Legal Med* 122, no. 1 (2008): 51-4.
- Schmidt, S. et al. 2007. 'Magnetic Resonance Imaging of the Clavicular Ossification', *Int J Legal Med* 121 (4): 321-4.
- Schmitt, A., Murail, P., Cunha, E. & D. Rougé. 2002. Variability of the pattern of aging on the human skeleton: evidence from bone indicators and implications on age at death estimation. *Journal of Forensic Sciences* 47: 1203-1209.
- Schour, I. & M. Massler. 1941. The development of the human dentition. *Journal of the American Dental Association* 28: 1153-1160.
- Singer, R. 1953. Estimation of age from cranial suture closure: a report on its unreliability. *Journal of Forensic Medicine* 1: 52-59.



- Smith, B.H. 1991. Standards of human tooth formation and dental age assessment, in M.A. Kelley & C.S. Larsen (eds.) *Advances in Dental Anthropology*: 143-168. New York: Wiley-Liss.
- Solheim, T. & Sundnes, P.K. 1980. Dental age estimation of Norwegian adults – a comparison of different methods. *Forensic Science International* 16: 7-17.
- Soomer, H, Ranya, H. Lincoln, M/J/, Tenttila, A. and E. Leibur 2003 Reliability and validity in eight dental age estimation methods for adults. *Journal of Forensic Sciences* 48(1): 149-152.
- Stewart, T.D. 1957. Distortion of the pubic symphyseal surface in females and its effect on age determination. *American Journal of Physical Anthropology* 15: 9-18.
- Stewart, T.D. 1958 The rate of development of vertebral osteoarthritis in American whites and its significance in skeletal age identification. *Leech* 28(3,4,50):114-151.
- Stinson, S. 2000. Growth variation: biological and cultural factors, in S. Stinson, B. Bogin, R. Huss-Ashmore & D.H. O'Rourke (eds) *Human Biology*: 425-463. New York: Wiley-Liss.
- Stout, S.D. 1989. Histomorphometric analysis of human skeletal remains, in M.Y. Işcan & K.A.R. Kennedy (eds) *Reconstruction of Life from the Skeleton*: 41-52. New York: Wiley-Liss.
- Stout, S.D. 1986. The use of bone histomorphology in skeletal identification: The case of Francisco Pizarro. *Journal of Forensic Sciences* 31: 296-300.
- Suchey, J.M. 1979. Problems in the aging of females using the os pubis. *American Journal of Physical Anthropology* 51: 467-470.
- Suchey, J.M., Wiseley, D.V. & D. Katz. 1986. Evaluation of the Todd and McKern-Stewart method for aging the male os pubis, in K.J. Reichs (ed.) *Forensic Osteology*: 33-67. Springfield IL: Charles C. Thomas.
- Suchey, J.M. and D. Katz 1998 Applications of pubic age determination. In *Forensic Osteology: Advances in the identification of human remains* K.J. Reichs (ed) pp204-236. Springfield Illinois, Charles C. Thomas.
- Tanner, J.M., Whitehouse, R.H. Marshall, W.A., Healy, M.J.R & H. Goldstein 1975 Assessment of skeletal maturity and prediction of adult height (TW2 method). New York: Academic Press.
- Thomas, C.D.L., Stein, M.S., Feik, S.A., Wark, J.D. & J.G. Clement. 2000. Determination of age at death using combined morphology and histology of the femur. *Journal of Anatomy* 196: 463-471.
- Thompson, 1979 The core technique I the determination of age at death in skeletons. *Journal of Forensic Sciences* 24:902-915.
- Todd, T.W. 1920. Age changes in the pubic bone. *American Journal of Physical Anthropology* 33: 285-334.
- Todd, T.W. & D.W. Lyon Jr. 1924. Endocranial suture closure, its progress and age relationship: Part I. Adult males of white stock. *American Journal of Physical Anthropology* 7: 325-384.

- Todd, T.W. & D.W. Lyon Jr. 1925a. Cranial suture closure, its progress and age relationship: Part II. Ectocranial closure in adult males of white stock. *American Journal of Physical Anthropology* 8: 23-45.
- Todd, T.W. & D.W. Lyon Jr. 1925b. Cranial suture closure: its progress and age relationship: Part III. Endocranial closure in adult males of Negro stock. *American Journal of Physical Anthropology* 8: 47-71.
- Todd, T.W. & D.W. Lyon Jr. 1925c. Cranial suture closure: its progress and age relationship: Part IV. Ectocranial closure in adult males of Negro stock. *American Journal of Physical Anthropology* 8: 149-168.
- Ubelaker, D.H. 1999. *Human Skeletal Remains: Excavation, Analysis, Interpretation (3<sup>rd</sup> edition)*. Washington: Taraxacum.
- Vance, V. L. et al.?? 'A Cross-Sectional Analysis of Age Related Changes in the Osteometric Dimensions of Long Bones in Modern South Africans of European and African Descent', *Forensic Sci Int* 199 (1-3) 110 e1-9.
- Walker, P.L., Dean, G. & P. Shapiro. 1991. Estimating age from tooth wear in archaeological populations, in M.A. Kelley and C.S. Larsen (eds.) *Advances in Dental Anthropology*: 169-178. New York: Wiley-Liss.
- Walker, R.A. & C.O. Lovejoy. 1985. Radiographic changes in the clavicle and proximal femur and their use in the determination of skeletal age at death. *American Journal of Physical Anthropology* 68: 1-14.
- Weaver, D.S. 1998 Forensic aspects of fetal and neonatal skeletons. In *Forensic Osteology: Advances in the identification of human remains* K.J. Reichs (ed) pp187-203. Springfield Illinois, Charles C. Thomas.
- Webb, P.A.O. & J.M. Suchey. 1985. Epiphyseal union of the anterior iliac crest and medial clavicle in a modern sample of American males and females. *American Journal of Physical Anthropology* 68: 457-466.
- White, T.D. 2000. *Human Osteology*. New York: Academic Press.
- Willems, G. et al. 2001. Dental Age Estimation in Belgian Children: Demirjian's Technique Revisited. *J Forensic Sci* 46(4):893-895.
- Wittwer-Backofen, U., Gampe, J. & J.W. Vaupel. Tooth cementum annulation for age estimation: results from a large known-age validation study. *American Journal of Physical Anthropology* 123: 119-29.
- Workshop of European Anthropologists. 1980. Recommendations for age and sex diagnosis of skeletons. *Journal of Human Evolution* 9: 517-549.
- Yoder, C., Ubelaker, D.H. & J.F. Powell. 2001. Examination of variation in sternal rib end morphology relevant to age assessment. *Journal of Forensic Sciences* 46: 223-227.
- Yavuza, Y.M. et al. 1998. Age assessment by rib phase analysis in Turks. *Forensic Science International* 98(1): 47-54.