## References

- Adams W. Lectures on the Pathology and treatment of lateral and othero forms of currature of the Spine. churchill and Sons, London, 1865. In Dickson RA Spinal Surgery Science and Practice, Butterworth and Co., London, 1990.
- Alexander MA & Season EH: Idiopathic Scoliosis: an electromyographic study, Arch. Phys. Med. Rehabil., 59, 314-315, 1978.
- Andrew T, Piggott H. Growth Arrest for progressive Scoliosis. Combined anterior and Posterior fusion of the Convexity. Journal of Bone and Joint Surgery. 67B, 107-139,1985.
- Archer. IA and Dickson RA. Stature and Idiopathic Scoliosis, journal of Bone and Joint Surgery, 67B, 185-188, 1985.
- Aurori BF, Weierman RJ, Lowell HA, et al: Pseudarthrosis after spinal fusion for scoliosis: a comparison of autogenic and allogenic bone grafts, Clinical Orthopedics 199: 153, 1985.
- Beals PK: Nosologic and genetic aspects of scoliosis: Clinical Orthopedic 93: 23-32, 1973.
- Benson DR, Schultz AB, Dewald RL, Scoliosis in Osteogenesis Imperfecta. Journal of Bone and Joint Surgery, 58A, 125-129,1978.
- Binns M: Joint laxity in idiopathic adolescent scoliosis, Journal of Bone and Joint Surgery, 70B: 420-422, 1988.
- Bradford DS. One-Stage anterior and Posterior hemivertebral resection and arthrodesis for congenital Scoliosis. Journal of Bone and Joint Surgery, 72A,536-540.1990.
- Bradford DS, Lonstien jE, moe JH, Ogalvie JW, Winter RB. Moe's textbook of scoliosis and spinal deformities, ed. 2, Philadelphia, WB Saunders, 1987.
- Broadhust BE, On Lateral Curvature of the Spine and edn., John Churchill and Sons., 1864. In: Dickson RA. Spinal Surgery Science and Practice, Butterworth & Co. London, 1990.
- Brown RH, Nash CL: current status of spinal cord monitoring, Spine 4: 466, 1979.
- Brown T, Hanson R and Yorra A. Some mechanical tests of lumbo sacral spine with particular reference to the intervertebral discs, Journal of

Bone and Joint Surgery, 39 A, 1135-1164, 1957.

- Bunnell WP, MacEwen: Congenital deformities of the spine in: Evarts CM[ed], surgery of the musculo skeletal system. 2<sup>nd</sup> edition. Vol2: 2005-2048. Churchil Livingstone, 1990.
- Cheung KM & Luk KD: Prediction of correction of scoliosis with the use of the fulcrum bending radiograph. Journal of Bone and Joint Surgery, 79:1144-50, 1997.
- Cobb JR: Outlines for the study of scoliosis, Instructional course lectures of the American Academy of Orthopedic surgeons, 5:261, 1948.
- Cobb JR: Technique, after-treatment, and results of spine fusion scoliosis. In the American Academy of Orthopedic surgeons: Instruction course lectures, vol 9, 1952.
- Cortel Y, Dubousset J, Guillaumat M: New universal instrumentation in spinal surgery, Clin. Orthop., 227: 10-22, 1988.
- Cortel Y: La scoliose dans la maladie de Ricklinghausen, 1970. In: Sharrad WJW [ed]: Pediatric orthopedic and fractures., 3<sup>rd</sup> edition: 609. Blackwell Scientific Publication, 1993.
- Crawford aH, Bagamery N: Osseous manifistations of neurofibromatosis in childhood, Journal of Pediatric orthopedics 6: 72-88, 1986.
- Dickson RA, Lawton JO, Archer IA, Butt WR: The pathogenesis of idiopathic scoliosis, Journal of Bone and Joint Surgery, 66B, 8-15, 1984.
- Dickson RA: Conservative treatment for idiopathic scoliosis, Journal of Bone and Joint Surgery, 67B, 176-181, 1985.
- Dickson RA, Archer LA: The biomechanics of spinal deformities, Journal of Bone and Joint Surgery 68B, 682, 1986.
- DiRaimondo CV, Green NE: Brace-Wear compliance in patients with adolescent idiopathic scoliosis, Journal of Pediatric Orthopedics 8: 143, 1988.
- Duval-Beaupere: Rib hump and spine angle as a prognostic factors for mild scoliosis, Spine 17: 103-107, 1992.
- Edward L, Jhon FS: Idiopathic scolioisis: New instrumentation for

- surgical management, Journal of American Academy of Orthopedic Surgeons, 2: 67-77, 1994.
- Engler G: Preoperative and intraoperative considerations in adolescent idiopathic scoliosis, Instruction course lectures 38:137, 1989.
- Friedlande hL, Westin GW, Wood WL: Arthrogryposis Multiplex Congenita. A review of forty-five cases, Journal of Bone and Joint Surgery, 50A: 89-112, 1968.
- Gaballah F., Badawy Z.: Textbook of human anatomy, university bookshop, Cairo, Vol. 4, pp 10-30, 1992.
- Glazer P.: Biochemical analysis of lumbosacral fixation, Spinal Surgery Paper award for fellows and residents GICD-USA, 1995.
- Goldstein LA, Waugh TR: Classification and terminology of scoliosis, Clinical Orthopedics, 93, 10-22, 1973.
- Hafti FL, McMaster MJ. The effect of adolescent growth Spurt on early Posterior Spinal fusion in infantile and juvenile idiopathic Scliosis. Journal of Bone and Joint Surgery, 65B, 247-250,1983.
- Hall JE, Congenital Scoliosis. In: Bradford DS, Hensinger RM, the Pediatric Spine, PP.95-181, George Thieme Verlag, Stuttgart, New York, 1985.
- Hart FD, strickland D, Cliffe P. Measurements of Spinal Mobility, Ann, Rheum. Dis., 33, 136-139, 1974.
- Hearly J, Lane J: Structural Scoliosis in Osteoporotic women, Clinic.Orthop., 195: 216-222, 1985.
- Herron LD, Westin G.W. & Dawson EG: Scoliosis in arthrogryposis multiplex congenita, Journal of Bone and Joint Surgery, 60A, 293-299, 1978.
- Hesinger RN & MacEwen GD: Spinal deformity associated with heritable neurological conditions: Spinal muscle atrophy, Friedreich's ataxia, Journal of Bone and Joint Surgery, 58A, 13-24, 1976.
- Hiroki F, Winter RB, Lonstein JB, Francis D: Pathophysiology of spinal deformities in neurofibromatosis, Journal of Bone and Joint Surgery, 76A: 692-700, 1994.
- Holdswarth RW: Fractures, dislocations and fracture-dislocation of the spine, Journal of Bone and Joint Surgery, 45B (1): 6-20, 1963.

- Hubert L, Serge T, Morris D, Paul A: Natural history of scoliosis in Friedreich's ataxia, Journal of Bone and Joint Surgery, 68A: 564-571, 1986.
- James JIP: Idiopathic scoliosis, the prognosis, diagnosis and operative indications related to curve pattern and the age at onset, Journal of Bone and Joint Surgery, 36-B: 36-49, 1954.
- James JIP: Paralytic Scoliosis, Journal of Bone and Joint Surgery, 38B: 660-685, 1956.
- James JIP, Lloyed-Robertis GC, Pilcher MF: Infantile structural scolioisi, Journal of Bone and Joint Surgery, 41B: 719-735, 1959.
- Janus M., Finidori J., Engelbert R., et al,: Operative treatment of severe scoliosis in osteogenesis imperfecta, European Spine Journal, Vol. 9, issue 6, pp. 486-491, 2000.
- Johnson JR, Holt TR: Combined use of anterior and posterior surgery for adult scoliosis, Orthop. Clin., North Am. 19: 360-370, 1988.
- Kahanovitz N, Levine DB, lardone J: The part-time Milwaukee brace treatment of juvenile idiopathic scoliosis: long term follow up, Clinical Orthopedics 167:145, 1982.
- Kaneda K, Shono Y, Satoh S & Abumi K: New Anterior instrumentation for management of thoracolumbar and lumbar scoliosis: Application of the Kaneda Two-Rod System, Spine 21: 1250-1261, 1996.
- King HA, Moe JH, Bradford DS, Winter RB: The selection of fusion levels in thoracic idiopathic scoliosis, Journal of Bone and Joint Surgery, 65A: 1302-1313, 1983.
- Korovessis P, Piperos G, Sidropoulos P, Dimas A: Adult idiopathic scoliosis. A formula for prediction of progression and review of articles, Spine 19: 1926-1932, 1994.
- Kostuik JP: Decision making in adult scoliosis, Spine 4: 521-525, 1994.
- Kurz LT, Garfin SR, Booth RE. Harvesting autogenous iliae bone grafts. Spine, 1314-1324,1989.
- Lagrone MO: Loss of lumbar lordosis: a complication of spinal fusion for scoliosis, Orthopedics clinics of North America, 19: 393, 1988.

- Lancourt JE, Dickson JH, Carter RE: Paralytic spinal deformity following traumatic spinal cord injury in childhood and adolescents, Journal of Bone and Joint Surgery, 63A: 47-52, 1981.
- Larsson L., Aaro S., Oberg B.: Activities and functional assessment one year after spinal fusion for paralytic scoliosis, European Spine Journal, Vol. 8, issue 2, pp 100-109, 1999.
- Leatherman KD & Dickson RA: Two-stage corrective surgery for congenital deformities of the spine, Journal of Bone and Joint Surgery, 61B, 324-328, 1979.
- Lenke L., Bridwell K., Blanke K., et al: Radiographic results of arthrodesis with Cotrel-Dubousset instrumentation for the treatment of adolecent idiopathic scoliosis, Journal of Bone and Joint Surgery, 80:807-14, 1998.
- Lerique and Lecoeur, Action Potential asymmetry on two sides. Arch. Phys, Med. Rehabil., 42, 710-711, 1961.
- Lonstein JE & Akbarnia BA: Operative treatment of spinal deformities in patients with cereberal palsy or mental retardation, Journal of Bone and Joint Surgery, 65A, 43-55, 1983.
- MaCarthy RE, McCullough FL: Growing instrumentation for scoliosis. Paper presented at the Twenty-Eighth Annual Meeting of the Scoliosis Research Society. Dublin, Sept. 1993.
- Masashi T, Hideshige M., Hiroshi K., et al: New remote controlled growing rod spinal instrumentation possibly applicable for scoliosis in young children, Journal of Orthopedic Science, Vol. 3, issue 6, pp 336-340, 1998.
- Mayfield JK, ErrKila JC, Winter RB. Spinal deformity subsequent to acquired childhood Spinal injury, Journal of Bone and Joint Surgery, 63, 291-301, 1981.
- McMaster MJ, James JIP: Pseudarthrosis after spinal fusion for scoliosis, , Journal of Bone and Joint Surgery 58-B: 305, 1976.
- McMaster MJ, Macnicol MF: The management of progressive infantile idiopathic scoliosis, Journal of Bone and Joint Surgery 61-B:36, 1979.
- McMaster MJ, Ohtsuka K: The natural history of congenital scoliosis. A study of 251 patients, Journal of Bone and Joint Surgery, 64A: 1128-1147, 1982.

- McMinn RMH: Last's Anatomy regional and applied, 186-211, Churchill Livingstone, 1991.
- McSweeny T: Spinal deformity after spinal cord injury. Paraplegia 6: 212-221, 1969. In Mayfield et al., Spinal deformity subsequent to acquired childhood spinal cord injury, Journal of Bone and Joint Surgery, 63A: 1401-1411, 1981.
- Mehta MA: Infantile idiopathic scoliosis. In Dickson R, Bradford DS [eds]. Butterworth international Medical Review. Orthopedics 2, Management of Spinal Deformities: 101-120, Butterworth, London, 1984.
- Mehta MA: The rib-vertebra angle in the early diagnosis between resolving and progressive infantile scoliosis, Journal of Bone and Joint Surgery, 54B: 230-243, 1972.
- Moe JH, Gustilo RB: Treatment of scoliosis: results in 196 patients treated by cast correction and fusion, , Journal of Bone and Joint Surgery 46-A: 293, 1964.
- Moore MR, Baynham GC, Brown CW, et al: Analysis of factors related to trunkal decompression following Cortel-Dubousset instrumentation,, Journal of Spinal Disorders, 4: 188, 1991.
- Moskowitz A, Moe Jh, Winter RB, et al: Long-term follow up of scoliosis fusion, , Journal of Bone and Joint Surgery 62A: 364, 1980.
- Nachemson AL, Cochran TP, Fällaström, et al: Somatic, social, and psychological effects of treatment for idiopathic scoliosis, Orthopedics Tyrans 7: 508, 1983.
- Nash CL, Moe JH: A study of vertebral rotation. Journal of Bone and Joint Surgery, 51A:223-229, 1969.
- Nasca RJ, Stelling FH, Steal HH: Progression of congenital scoliosis due to hemivertebrae and hemivertebrae with bars, Journal of Bone and Joint Surgery, 57A: 456-466, 1975.
- Niemeyer T., Freeman J., Web J.: Anterior thoracoscopic surgery followed by posterior instrumentation and fusion in spinal deformities, European Spine Journal, Vol.9, issue 6, pp 499-504, 2000.
- Nordwall A, Willner S: A study of skeletal age and height in girls with

- idiopathic scoliosis, Clinical Orthopedic, 110: 6-10, 1975.
- O'Brien M, Bridwell K, Lenke L, et al: Adult onset 'de novo' degenerative scoliosis. Guidelines for evaluation and treatment. Presented at scoliosis Research Society, Dublin, Ireland, Sept. 18-23, 1993.
- Panjabi MM, Karg MH and White AA. Effect of preload on load displacement Curves of lumbar spine. Orthop. Clin. North Am., 8, 181-191 (1977).
- Perdriolle R, Vidal J: Thoracic idiopathic scoliosis, curve evaluation and prognosis, Spine 10: 785-791, 1985.
- Peter LW, Roger W: Ossification of the vertebral column, Gray's anatomy. 36<sup>th</sup> edition: 282-283. Churchil Livingstone, Edinburgh, London, New York, Melbourne, 1980.
- Poteza V., Weinstein S., Neyt J.: Dysfunction of spinal chord during the spinal arthrodesis for scoliosis, Journal of Bone and joint surgery, 80:1679-83, 1998.
- Raof R: Scoliosis secondary to paraplegia. Paraplegia 8: 42-47, 1970. In: Mayfield et al, spine deformity subsequent to acquired childhood spinal cord injury. Journal of Bone and Joint Surgery, 63A: 1401-1411, 1981.
- Risser JG: The iliac apophysis: an invaluable in the management of scoliosis, Clinical Orthopedic 11:111-118, 1958.
- Robb JE, Conner AN, Stephenson JBP: Normal electroencephalograms in idiopathic scoliosis, Acta Orthopedics Scand., 57, 220-221, 1986.
- Robins PR, Moe JH, Winter RB: Scoliosis in Marphan's syndrome, Journal of Bone and Joint Surgery, 57A: 358-367, 1975.
- Rogala EJ, Denis Sd, Jean G: Scoliosis: incidence and natural history, a prospective epidemiological study, Journal of Bone and Joint Surgery, 60A: 173-176, 1978.
- Rowe D, Bernstein S, Riddick M. et al: A meta analysis of the efficacy of non-operative treatment of idiopathic scoliosis, Journal of Bone and Joint Surgery, 79:664-74, 1997.
- Saartok T, Dahlberg E, Bylund P et al: Steroid hormone receptors, protein and DNA in elector spinae muscle from scoliotic patients, Clinical Orthopedics, 183, 197-207, 1984.

- Samilson N: un propose de 16 cas de scoliosis-Marfan. Tunisie Med. 2: 93-101, 1971.
- Sanders JO, Herring JA, Browne RH: Behavior of the immature (Risser o) spine in idiopathic scoliosis following posterior spinal instrumentation and fusion. Paper presented at the Twenty-Eighth Annual Meeting of the Scoliosis Research Society. Dublin, Sept. 1993.
- Scott JC. Scolisis and Neurofibromatosis Journal of Bone and Joint Surgery, 47b, 240-246,1965.
- Sharpio. F & Bresnan MJ: Orthopedic management of childhood neuromuscular disease. Part II: Peripheral neuropathics, Friedreich's ataxia and arthrogryposis multiplex congenita, Journal of Bone and Joint Surgery, 64A, 949-953, 1982.
- Sharrad WJW [ed]: Pediatric orthopedic and fractures., 3<sup>rd</sup> edition,
  Blackwell Scientific Publication, 1993.
- Shufflebarger HL, Clark CE: prevention of the crank shaft phenomenon, Spine 16:S409, 1991.
- Smith AD, Koreska J, Eng. P, Mosedley CF: Progression of scoliosis in Duchenne muscular dystrophy, Journal of Bone and Joint Surgery, 71A: 1066-1074, 1989.
- Stagnara P: Les deformation due rachis, scolioses cyphoses, lordoses, Masson, paris, 1985. In: Sharrad WJW [ed]: Pediatric orthopedic and fractures., 3<sup>rd</sup> edition, Blackwell Scientific Publication. 1993.
- Tanner JM: Growth at adolescence, 2<sup>nd</sup> edition, Blackwell Scientific Publication, 1962. In: Leon et al. [eds]: Clinical Gynecologic endocrinology and infertility, 4<sup>th</sup> edition, Williams and wilkins, 1988.
- Thometz JC, Simon SR: Progression of scoliosis after skeletal maturity in institutionalized adults who have cerebral palsy, Journal of Bone and Joint Surgery, 70A: 1290-1296, 1988.
- Thompson AG, Marks DS, Sayampanathan SRE & Piggott H: Long-term results of combined anterior and posterior covex epiphysiodesis for congenital scoliosis due to hemivertebrae, Spine 20: 1380-1385, 1995.
- Tolo VT, Gillespie R: The characteristics of juvenile idiopathic scoliosis and results of its treatment, Journal of Bone and Joint Surgery, 60B: 181-188, 1978.

- VanDam BE, Bradford Ds, Lonstein JE, Moe JH, Ogilvie JW & Winter RB: Adult idiopathic scoliosis treated by posterior fusion and instrumentation. Orthop. Trans. 10: 34-39, 1986. In: Korovessis et al, Adult idiopathic lumbar scoliosis. Spine 19: 1926-1932, 1994.
- Veliskakis KP: Increase generalized ligamentous laxity in idiopathic scoliosis, Journal of Bone and Joint Surgery, 55A: 435, 1973.
- Walker R: Rod Building, Beldfield and Bushell, Folkstone, P. 63, 1952.
- white, AA and panjabi, MM. Clinical Biomechanics of the spine, Lippincott, philadelphia, 1990.
- Wilkins KE, Gibson DA: The pattern of spinal deformity in Duchenne muscular dystrophy. Journal of Bone and Joint Surgery, 58A: 24-31, 1976.
- Winter, R.B: Congenital Deformities of the spine, Thieme-Stratton, New york, 1983.
- Winter, R.B, ed. Scoliosis, Orthop Clin North Am, 1:19, 1988.
- Wynne-Davis R: Familial idiopathic scoliosis, Journal of Bone and Joint Surgery, 50A: 24-30, 1968.
- Xiong B & Sevastik J: Physiological approach to surgical treatment of progressive early idiopathic scoliosis, European Spine Journal, Vol.7, issue 6, pp 505-508, 1998.
- Yazici M., Asher A., Hardackr J.: The safety and efficacy of Isola-Glaveston instrumentation and arthrodesis in the treatment of neuromuscular spinal deformities, Journal of Bone and Joint surgery, 82:524, 2000.
- Zaoussis AL, James JIP: The iliac apophysis and the evaluation of curves in scoliosis, Journal of Bone and Joint Surgery, 40B: 442-458, 1958.
- Zetterberg C, Bjork R, Ortengren R & Alendrson GBJ: Electromyography of the paravertebral muscles in idiopathic scoliosis, Acta Orthopedics Scand., 55, 304-309, 1984.