

REFERENCES

- 1- **Abuelo, J, Gray, PV and Bruces, SC. (1989):** Renal pathophysiology the essentials, Chronic renal failure. *Williams and wilkis: 217-236.*
- 2- **Ahmad S. Robertson HT. Golper TA, et al. (1990).:** Multicenter trial of L- carnitine in maintenance hemodialysis patients: II. Clinical and biochemical effects. *Kidney Int 38:912 918.*
- 3- **Al Muhanna FA, Saeed I, al Muelo S, Larbi E, Rubaish A. (1999):** Disease profile, complications and outcome in patients on maintenance haemodialysis at King Faisal University Hospital, Saudi Arabia. *E Afr Med J 1999; 76: 664–667*
- 4- **Alebiosu CO and Ayodele OE (2005):** The global burden of chronic kidney disease and the way forward. *Ethn Dis. Summer, 15 (3): 418-423.*
- 5- **Alfrey, AC.; and Chan, L. (1992):** Chronic renal failure, manifestation and pathogenesis. In: Renal and electrolyte disorders, *published by Schrier, little Brown and Company, Boston, 4th (ed.), 539.*
- 6- **Allen, J L.; Bar- Yishay, E. and Bryan, AC. (1993):** Respiratory mechanics in infants. Physiologic evaluation in health and disease. American Thoracic Society. *European Resp. Societ. 474-496.*
- 7- **Apostolou, T. and Gohal, R. (1999):** Neuropathy and quality of life in diabetic continuous ambulatory peritoneal dialysis patients. *Perit Dial Int 19 (2): 242-247.*
- 8- **Applegate, R.J. & Little, W.C. (1991):** Systolic and diastolic left ventricular function. *Prog. Cardiol. 4. pp. 63.*
- 9- **Appleton CP, Galloway JM, Gonzalez MS, Gaballa M, Basnight MA(1993):** Estimation of left ventricular filling pressures using two-dimensional and Doppler echocardiography in adult patients with cardiac disease. Additional value of analyzing left atrial size, left atrial ejection

- fraction and the difference in duration of pulmonary venous and mitral flow velocity at atrial contraction. *J Am Coll Cardiol*; 22:1972–82.
- 10- **Appleton, C.P. (1993):** Doppler assessment of left ventricular diastolic function. The refinements continue. *J AM coll cardiol*; 12: pp. 426-40.
 - 11- **Arakl, H. (1999):** Significance of serum persinogens and their relationship to helicobacter pylori infection and histological gastritis in dialysis patients. *Nephrol Dial transplant*; 14: 2669-2675.
 - 12- **Assoouad, M. and Eknayan ,G. (1998):** Does the choice of renal replacement therapy adversely affect hypercoagulability associated with renal disease? *Am J Nephrol* ; 18(3): 175-178.
 - 13- **Attman, PO. And Aloupovic, P. (1991):** Lipid abnormalities in CRF. *Kidney Int Suppl.*, 31:516.
 - 14- **Barakat MM, Nawab ZM, Yu AW, Lau AH, Ing TS, Daugirdas JT. (1993):** Hemodynamic effects of intradialytic food ingestion and the effects of caffeine. *J Am Soc Nephrol.* 3:1813–1818.
 - 15- **Barsoum RS; Rihan ZE; Ibrahim AS and Lebstein A (1974):** Long – term intermittent hemodialysis in Egypt. *Bull-World Health Organ* 51:647, 1974.
 - 16- **Bart Straver.,(2005).** Hypotension during hemodialysis,
 - 17- **Barth C, Boer W, Garzoni D, et al. (2003):** Characteristics of hypotension- prone hemodialysis patients: is there a critical relative blood volume? *Nephrol Dial Transplant*; 18:1353–1360.
 - 18- **Beasley D, Brenner BM (1992):** Role of nitric oxide in hemodialysis hypotension. *Kidney Int Suppl* 38:S96-100.
 - 19- **Behrman RE (1996):** Nelson textbook of pediatrics. 15th ed. Philadelphia, WB Saunders, pp. 489.
 - 20- **Benjamin W, Eidem MD, Patrick W and O'Leary MD. (1998):** Nongeometric quantitative assessment of right and left ventricular functions:

- MPI in normal children and patients with Epstein anomaly. *J.Am. Soc.Of echocardiography Vol.1 l(9)pp. 168-179.*
- 21- **Bergstein JM, (2000):** Renal Failure, In: Berhrman et al., Nelson textbook of pediatrics, 16th (ed.). *Saunders Company. Pp 1605-1612.*
 - 22- **Blowey DL. Balfe JW. Gupta I. et al. (1996):** Midodrine efficacy and pharmacokinetics in a patient with recurrent intradialytic hypotension. *Am J Kidney DR 28:132 136.*
 - 23- **Boure T, Vanholder R (2004):** Which dialyzer membrane to choose. *Nephrol Dial Transplant 19: 293-296.*
 - 24- **Brandt JR, Avner, ED.; Hickman, RO. and Watkins, SL. (1999):** Safety and efficiency of erythropoietin in children in chronic renal failure. *Pediatr. Nephrol; 13:143-147.*
 - 25- **Brescia MJ; Crimina Je; Appel k and Hurwich BJ(1966):** Chronic hemodialysis using venopuncture and a surgically created arteriovenous fistula. *N. Eng. J. Med., 275:1089.*
 - 26- **Brunner BM, Rector FC (1996):** The kidney. Hematological consequences of renal failure. *Volume 2, 5th. Ed.pp 2170-2181.*
 - 27- **Butt, MI.; Shaft, T.; Farooqi, I. and Moinuddin, (1998):** Effect of dialysis on bleeding time in chronic renal failure. *J Pak Med Assoc; 48 (8): 242-244.*
 - 28- **Cacoub, Dery, G. and Le, HP. (1989):** Idiopathic acute interstitial nephritis associated with anterior uveitis. In adults. *Clin Nephrol 31 (6) 307-10.*
 - 29- **Campese VM, Romoff MS, Levitan D, Lane K, Massry SG (1981):** Mechanisms of autonomic nervous system dysfunction in uremia. *Kidney Int 20:246-253.*
 - 30- **Chadha V Blowley DL, Warady JA (2001):** is growth a valid outcome measure of dialysis clearance in children undergoing peritoneal dialysis. *Perit Dial Int 21 (suppl 3): S179-S184.*

- 31- **Chan, J.; Mc Every, PT. & Chinchilli, Um. (2002):** A prospective, Double blind study of growth failure in children with CRF. *Journal of pediatrics*, 124 (4) pp. 520-88.
- 32- **Charra B, Laurent G, Chazot C, Calemard E, Terrat JC, Vanel T, Jean G, and Ruffet M(1996):** Clinical assessment of dry weight. *Nephrol Dial Transplant* 1996; 11 [Suppl 2]: 16-19.
- 33- **Charra, B.; Bergstrom, J.; Scribner, BH. (1998):** Blood Pressure control in dialysis patients: importance of the lag phenomenon. *Am J Kidney Dis*: 32: 720-724.
- 34- **Cheitlin MD, Armstrong WF, Aurigemma GP, et al. (2003):** Guideline update for clinical application of echocardiography-summary article: A report of the AmericanCollege of Cardiology/American Heart AssociationTask Force on Practice Guidelines (ACC/AHA/ASE Committee to Update the 1997 Guidelines for the Clinical Application of Echocardiography). *J AmColl Cardiol*; 42(5):954-970.
- 35- **Choy L, Collier J, Watson AR(1999):** lignocaine- prilocain cream or amethocine gel for venepuncture. *Acta Paediatr* 88:961-964.
- 36- **Converse RLJ, Jacobsen TN, Jost CM, Toto RD, et al. (1992):** Paradoxical withdrawal of reflex vasoconstriction as a cause of hemodialysis- induced hypotension. *J Clin Invest*; 90:1657–1665.
- 37- **Coresh J, Astor BC, Greene T, Eknoyan G, Levey AS (2003):** Prevalence of chronic kidney disease and decreased kidney function in the adult US population: third National Health and Nutrition Examination Survey. *Am J Kidney Dis* 41:1-12.
- 38- **Cruz DN, Mahnenmith RL. Brickel HM. Perazella MA(1998):** Midodrine and cool dialyate are effective therapies for symptomatic intradialytic hypotension. (Abstract) *J Am Soc Nephrol* 9:246A.
- 39- **Daudirda JT (1994):** Preventing and managing hypotension. *Semin Dial* 7:276 -283.

- 40- **Daugirdas JT, Al-Kudsi RR, Ing TS, Norusis MJ (1985):** A double blind evaluation of sodium gradient hemodialysis *Am J Nephrol* 5:163-168..
- 41- **Daugirdas JT (1991):** Dialysis hypotension: a hemodynamic analysis. *Kidney Int*; 39:233. Daugirdas JT, Ing TS (1988): First-use reactions during hemodialysis: a definition of subtypes. *Kidney Int*; 24:537.
- 42- **Daugirdas JT (2001):** Pathophysiology of dialysis hypotension: an update. *Am J Kidney Dis* 38:S11–S17.
- 43- **Davenport A (2006):** Intradialytic complications during hemodialysis. *Hemodial Int*. 10:162–167.
- 44- **Dawborn, J.K. (1996):** CRF, in Whitworth, JA, Lawrence JR and Kincaid-Smith P (ed): Text book of Renal Disease, 2, ed, Churchill Livingstone, PP 343 – 362.
- 45- **De Boeck B, Oh J, Vandervoort P, et al. (2005):** Colour M-mode velocity propagation: A glance at intra-ventricular pressure gradients and early diastolic ventricular performance. *The European Journal of Heart Failure*; 7:19-28.
- 46- **De Vecchi AF, Dratwa M, Wiedmann ME. (1999):** Healthcare systems and end stage renal disease: an international review-costs and reimbursement of ESRD therapies. *N Eng J Med*; 14:31-41
- 47- **Dheenan S, Henrich WL: Preventing dialysis hypotension (2001):** a comparison of usual protective maneuvers. *Kidney Int* 59:1175-1181.
- 48- **Dheenan S, Venkatean J. Grubb BP. Henrich WL (1998):** Effect of sertraline hydrochloride on dialysis hypotension. *Am J Kidney Dis*. 31:624-630.
- 49- **Dietel T, Filter G, Ryszard G, Wolfish N (2000):** Bioimpedance and inferior vena cava diameter for assessment of dialysis dry weight. *Pediatric Nephrology* 14:903-907.

- 50- **Donauer J, Kölblin D, Bek M, Krause A, Böhler J (2000):** Ultrafiltration profiling and measurement of relative blood volume as strategies to reduce hemodialysisrelated side effects. *Am J Kidney Dis* 36:115–123.
- 51- **Dong Oh Kang, Du Ha Lee, Hyun Seo Kim, et al. (1999):** Impact of hemodialysis on left ventricular performance, Doppler Echocardiographic study. *Yeungnam Univ.J.of Med. Vol. 16. No.2.309-317.*
- 52- **Duncan L, Heathcote J, Djurdjev O, Levin A. (2001):** Screening for renal disease using serum creatinine: who are we missing? *Nephrol Dial Transplant: 16: 1042-1061.*
- 53- **El- Said W (1985):** Progress of dialysis in Egypt. Proceeding of Congress of the Egyptian Society of Nephrology, Ain - Shams Specialized Hospital, Cairo. 5-6 December, p 11-15.
- 54- **Evans, MD.; Elizabeth, D. and Laurence A. (1995):** principles of renal replacement therapy in children. *Pediatric Nephrology. Pediatric Clinics of North America* 42:6. 1579-1602.
- 55- **Farid, FA; El-sayed, ZA; El Kerdany, TA. And Teleb, FA. (2000):** The effect of uremia and hemodialysis on antithrombin -III antigen level and protein C functional activity. Proceeding of the 1st congress of African pediatric nephrology Association (AFPNA).
- 56- **Feigenbaum, H. (1996):** Echocardiography, 4thed, lea and febiger philadelphia, pp. 26-31.
- 57- **Fine A. Penner B (1996):** The protective effect of cool dialysate i dependent on patients' predialysis temperature. *Am J Kidney DR* 28:262 265.
- 58- **Fischbach M, Edefonti A, schrdder c, watson A and rhe European / Pediatric Dialysis Working Group (2005):** Hemodialysis in children: general Practical guidelines. *Pediatr Nephrol.*; 20(8):'1054-1066.

- 59- **Fischbach M, Stefanidis CJ, Watson AR(2002):** Guidelines by European committee on adequacy of the pediatric peritoneal dialysis prescription. *Nephrol Dial Transplant* 17: 380-385.
- 60- **Fischbach M, Terzic J, Menour S, Provot E, Bergere V (2001):** glucose charged dialysis for children on hemodialysis: acute dialytic changes. *Pediatr Nephrol* 12:60-62.
- 61- **Fishbane S., (2002):** Anemia treatment in chronic renal insufficiency. *Semin. Nephrol*; 22 (6): 474 – 478.
- 62- **Fogo, A.; Kon, V. (1999):** Pathophysiology of progressive renal disease; in Barratt TM, Avner ED, Harmon WE (eds): *Pediatric Nephrology*, ed 4. Lippincott, William & Wilkins, PP 1183 – 96.
- 63- **Foley RN, Herzog CA, Collins AJ (2002):** Blood pressure and long-term mortality in United States hemodialysis patients: USRDS Waves 3 and 4 Study. *Kidney Int* 2002; 62:17 84-17 90.
- 64- **Foley RN, Parfrey PS, Kent GM, Harnett JD, Murray DC, Barre PE (1998):** Long-term evolution of cardiomyopathy in dialysis patients. *Kidney Int* 54:1720-1725.
- 65- **Gaasch, Wtt. (1993):** Diagnosis and treatment of heart failure based on left ventricular systolic or diastolic dysfunction. *JAMA*22: pp. 318.
- 66- **Gagliardi GM, Rossi S, Manes MT, et al. (2004):** Impact of left ventricular patterns and diastolic dysfunction on hemodialysis patients. *G Ital Nefrol*; 21(1):45-50.
- 67- **Garcia MJ, Thomas JD and Klein AL. (1998):** New Doppler Echcardiographic Applications for the Study of Diastolic Function. *J Am Coll Cardiol*; 32:865-75.
- 68- **Garralada, ME.; Jameson, RA., and Reynolds, JM. (1998):** Psychiatric adjustment in children with chronic renal failure .*J. Child Psychol Psychiatry*; 29: 79-90.

- 69- **Gerard, P.; Aurgimma, M.; Palmenlan, D. & Williamm, H. (1997):** Quantitative evaluation of left ventricular structure, wall stress and systolic function. *Practical clinical echocardiography (otto) second ed. pp. 1-24.*
- 70- **Gillen DL, Smith J, stehman-Breen CO, warady BA, McDonald R, Brandt JR, Wong CS. (2006):** The survival advantage of pediatric recipients of a first Kidney transplant among children awaiting kidney transplantation. (Abstract). *J Am Soc Nephrol* 2006; 17:667A.
- 71- **Goldstein SL (2004):** Adequacy of dialysis in children: Does small solute clearance really matter? *Pediatr Nephrol* 19: 1-5.
- 72- **Goldstein SL, Smith CM, Currier H (2003):** non invasive interventions to decrease hospitalization and associated costs for pediatric patients receiving hemodialysis. *J Am Soc Nephrol* 14:2127-2131
- 73- **Gottdiener JS, Bednarz J, Devereaux R, et al (2004):** American Society of Echocardiography. American Society of Echocardiography recommendations for use of echocardiography in clinical trials. *Journal of the American Society of Echocardiography*; 17:1086-1119.
- 74- **Graham RJ, Gelman JS, Donelan L, Mottram PM, Peverill RE.(2003):** Effect of Preload Reduction by Haemodialysis on New Indices of Diastolic Function. *Clinical Science*; 105:499-506.
- 75- **Gutgesell HP, Paquet M, Duff DF McNamara DG (1997):** Evaluation of left ventricular size and function by echocardiography. *Results in normal children circulation.* 56(3):457-62.
- 76- **Harmon, W.E. (1999):** Over view of CRF in: in Barratt TM, Avner ED, Harmon WB (eds): *Pediatric Nephrology*, 4th ed. Lippincott, William & Wilkins, PP 1267 – 1288.
- 77- **Harnett JD, Foley RN, Kent GM, Barre PE, Murray D, Parfrey PS (1995):** Congestive heart failure in dialysis patients: prevalence, incidence, prognosis and risk factors. *Kidney Int* 47:884- 890.

- 78- **Harnett JD, Parfrey PS, Griffiths SM, Gault MH, Barre P, Guttmann RD (1988):** Left ventricular hypertrophy in end-stage renal disease. *Nephron* 48:107-115.
- 79- **Haslett, C.; Chilvers, ER; Hunter JA., and Boon, NA. (1999):** Diseases of the respiratory system: Davidson's principles & practice of Medicine, 18 ed, Churchill Livingstone, pp 310- 315.
- 80- **Henrich WL. Woodard TD. McPhaul JJ (1982):** The chronic efficacy and safety of high sodium dialysate: A double blind crossover study. *Am J Kidney DR* 2:349 353.
- 81- **Hirayama S, Ando Y, Sudo Y, Asano Y (2002):** Improvement of cardiac function by dry weight optimization based on interdialysis inferior vena caval diameter. *ASAIO J*; 48:320-5.
- 82- **Holm, EA. and Soling, K. (1996):** Dietary protein restriction and the progressing of chronic renal insufficiency. A review of the literature. *J. Intern-Med.* 239 (2): pp.99-104.
- 83- **Hung KC, Huang HL, Chu CM, Yeh KH, Fang JT, Lin FC. (2004):** Effect of altered volume loading on left ventricular hemodynamics and diastolic filling during hemodialysis. *Ren Fail*; 26(2):141-147.
- 84- **Hurrell D, Nishimura R, Ilstrup D, et al. (1997):** Utility of preload alteration in assessment of left ventricular filling pressure by Doppler echocardiography: A simultaneous catheterization and Doppler echocardiographic study. *Journal of the American College of Cardiology*,; 30:459-467.
- 85- **Huting, J. & Alpert, M.A. (1998):** Course of left ventricular diastolic dysfunction in end-stage renal disease on long-term continuous ambulatory peritoneal dialysis. *Clin. Nephrol*, 39:81-7.

- 86- **Ingelfinger JR (1990):** Regulation of systemic blood pressure. In: Pediatric Textbook of fluids and electrolytes. *Ichikawa L. (ed). William and wilkins, Baltimore, 35.*
- 87- **Jacobson, HR.; Striker, GE. and Klahr, S. (1995):** The principles and practice of Nephrology, *Philadelphia, Mosby. Pp.522-540.*
- 88- **James J. Flynn III. (1996):** Factors contributing to hypotension during hemodialysis. *Geriatric Nephrology and Urology: 99-104.*
- 89- **Jeager JQ, Mehta RL (1999):** Assessment of dry weight in hemodialysis; an overview. *J Am Soc Nephrol 10:392-403.*
- 90- **Jost CM. Agarwal R. Khaur El Din T. et al. (1993):** Effects of cooler temperature dialysate on hemodynamic stability in ‘problem” dialysis patients. *Kidney Int 44:606 612.*
- 91- **Kaufman AM. Morris AT. Lavarra VA, et al. (1998):** Effects of controlled blood cooling on hemodynamic stability and urea kinetics during high efficiency hemodialysis. *J Am Soc Nephrol 9:877 883.*
- 92- **Khalfallaha B, Ghodhbane L, Tlili R, Annabi N. (2005):** Doppler echocardiographic study of left ventricular diastolic function in haemodialysis patients. *Arch Mal Coeur Vaiss; 98(1):31-38.*
- 93- **Kher, K.K. (1992):** Chronic renal failure. In : clin . Pediatr. Nephrol 3th .eds: Kher, and Makkel SP, McGraw-Hill., Inc., New York, 501-529.
- 94- **Khoury SJ, Maly GT, Suh DD, Walsh TE.(2004):** A Practical Approach to the Echocardiographic Evaluation of Diastolic Function. *J Am Soc Echocardiography; 17:290-7.*
- 95- **Knoll GA, Grabowski JA, dervin GF et al.,(2004):** a randomized controlled trial of albumin versus saline for the treatment of intradialytic hypotension. *J Am Soc Nephrol; 15:487-492.*
- 96- **Kolf WJ (1965):** First clinical experience with artificial kidney. *Ann intern. Med; 62:608.*

- 97- **Kooistra MP, Vos J and Vos PF (1998):** low-flux daily home hemodialysis: Results after 6 months. *Pent. Dial. Int.*, 18:s78(*abstract:suppl.1*).
- 98- **Kooman JP, Gladziwa U, Bocker G, van Bortel LM, van Hooff JP, Leunissen KM (1992):** Role of the venous system in hemodynamics during ultrafiltration and bicarbonate dialysis. *Kidney Int* 42:718-726.
- 99- **Kooman JP, van Hooff JP, Leunissen KM (1994):** The venous system and dialysis-associated hypotension. *Contrib Nephrol* 106:99-105.
- 100- **Kramer P, Brayer M and Brunner F P(1983):** Combined report on regular dialysis and transplantation in Europe, XIV, P roc. *Eur. Dial Transplant. Associ*, 21:5.
- 101- **Kramer W, Wizemann V; Kindler M; Thormann J; Grebe SF; Schutterle G; Lasch HG and Schlepper M (1984):** influence of fluid removal rate during hemodialysis on left ventricular performance and exercise tolerance in patients with coronary artery disease. *Clinic. Nephrol.*, Vol., 21. NO,5 . P. 280-286.
- 102- **Lagomarsimo, E.; Valenzuela, A.; Cavagnaro F. and Solar E. (1999):** Chronic renal failure in pediatrics 1996. *Pediatric. Nephrol*; 13: 288 – 291.
- 103- **Lang RM, Bierig M, Devereaux RB, et al (2005):** Chamber Quantification Writing Group, American Society of Echocardiography's Guidelines and Standards Committee, European Association of Echocardiography. Recommendations for chamber quantification: A report from the American Society of Echocardiography's Guidelines and Standards Committee and the Chamber Quantification Writing Group, developed in conjunction with the European Association of Echocardiography, a branch of the European Society of Cardiology. *Journal of the American Society of Echocardiography*; 18:1440-1463.

- 104- **Leunissen KML, Kooman JP, van der Sande FM, van Kuijk WHM.(2000):** Hypotension and ultrafiltration physiology in dialysis. *Blood Purif.* 18: 251–4.
- 105- **Levin, A.(2003):** The advantage of a uniform terminology and staging system for chronic kidney disease (CKD). *Nephrol Dial Transplant* 18: 1 446- 1451.
- 106- **Ligtenberg G, Blankestijn PJ, Boomsma F, Koomans HA (1996):** No change in automatic function tests during uncomplicated haemodialysis. *Nephrol Dial Transplant* 11:651-656.
- 107- **Little, WC. & Applegate, R.J. (1993):** Congestive heart failure systolic and diastolic function. *J. cardiothor. Vas. Anesth.* 7 (suppl.2). PP.2.
- 108- **Little, WC. & Downes T.R. (1990):** Clinical evaluation of left ventricular diastolic performance. *Prog. Cardiovasc. Dis.* 32: pp. 273.
- 109- **Locatelli F, Mastragelo F, Redaelli B et al., (1996):** Effects of different membranes and dialysis technologies on patient treatment tolerance and nutritional parameters. *Kidney Int*, 50:1293-1302.
- 110- **Locatelli F, Buoncristiani U, Canaud B, Kohler H, Petitclerc T, Zucchelli P (2005):** Haemodialysis with on-line monitoring equipment: tools or toys? *Nephrol Dial Transplant* 20:22-33.
- 111- **London,GM. (2003):** left ventricular hypertrophy : Why does it Happen? In: Department of nephrology and Dialysis: Manhes Hospital, Fleury Merogis, France. *Nephrol -Dial Transplant*; 18 suppl 8: pp. 2-6.
- 112- **Madani, K.; Otoukesh, H.; Rastegar, A. and Van Why S. (2001):** Chronic renal failure in Iranian children. *Pediatr. Nephrol*; 16: 140 – 144.
- 113- **Maeda K, Morita H, Shinzato T, Vega BV, Kobayakawa H, Ishihara T, Inagaki H, Igarashi I, Kitano T (1988):** Role of hypovolemia in dialysis-induced hypotension. *Artif Organs* 12:116-121, 19.

- 114- **Maggiore Q, Pizzarelli F, Santoro a, Panzetta G, Bonforte G, Hannedouche T, Alvarez de Lara MA, Tsouras I, Loureiro a, Ponce P, Sulkova S, Van Roost G, Brink H, Kwan JT (2002):** The effects of control of thermal balance on vascular stability in hemodialysis patients: results of the European randomized clinical trial. *Am J Kidney Dis* 40:280-290.
- 115- **Marsenic O, Pavlicic D, Peco-Antic A, Bigovic G, Jovanovic O(2000):** Prediction of equilibrated urea in children on chronic hemodialysis (HD). *Perit Dial Int* 2000; 20 (Supl 1):S95.
- 116- **Maynard JC, Cruz C Kleerekoper M. Levin NW (1986):** Blood pressure response to changes in serum ionized calcium during hemodialysis. *Ann Intern Med* 104:358 361.
- 117- **McDonald SP, Craig JC (2004):.** Long-term survival of children with end-stage renal disease. *N Eng J Med* 2004; 350:2654-2662.
- 118- **McTavish D. Goa KL (1989):** Midodrine, A review of it pharmacologic properties and therapeutic ue in orthostatic hypotension and secondary hypotensive disorder. *Drugs* 38:757 -777.
- 119- **Mitch, WE. And Walser, M. (1996):** Nutritional therapy for the uremic patient. In *The kidney* 5th (ed.) Brenner BM. WB saunders Company. Philadelphia 23-83.
- 120- **Mitsnefes MM, Daniels sR, schwartz sM, Meyer RA, Khoury p, strife cF.(2000):** Severe left ventricular hypertrophy in pediatric dialysis: prevalence and predictors. *Pediatr Nephrol* 2000; 14: 898-902.
- 121- **Moilli E. Camerini C, \iola BF. et al. (1997):** Blood volume changes during three different profiles of dialysate sodium variation with similar intradialytic sodium balances in chronic hemodialyzed patients. *Am J Kidney DR* 30:58 63.

- 122- **Morris, DP.; Skinner, JR.; Hunter, S. and Coulthard, MG. (1994):** Cardiovascular abnormalities in end stage renal Failure; the effect of anemia or uremia. *Archives of disease in childhood* 68: PP. 637-643.
- 123- **National Kidney Foundation (2002):** K/DOQI clinical practice guidelines on hypertension and antihypertensive agents in chronic kidney disease. *Am J Kidney Dis* 43(Suppl 1):S1.
- 124- **National Kidney Foundation Dialysis Outcome Quality Initiative(NKF) (1997):** Clinical practice guidelines for the treatment of anemia of chronic renal failure. *Am J KidneyDR* 30:S192 S224.
- 125- **National Kidney Foundation. (2002):** K/DOQI clinical practice guidelines for chronic kidney disease: evaluation, classification and stratification. *Am J Kidney Dis* 39(Suppl 1):S1.
- 126- **National Kidney Foundation.(2003):** K/DOQI clinical practice guidelines for bone metabolism and disease in chronic kidney disease. *Am J Kidney Dis* 42(Suppl 3):S1.
- 127- **Nette RW, van den Dorpel MA, Krepel HP, Le EH, van den Meiracker AH, Poldermans D, Weimar W, Zietse R (2005):** Hypotension during hemodialysis results from an impairment of arteriolar tone and left ventricular function. *Clin Nephrol* 63:276-283.
- 128- **Nishimura RA, Abel MD, Hatle LK, Tajik AJ (1999):** Assessment of diastolic function of the heart : Background and current applications of Doppler Echocardiography. *Part II. Clinical studies. Mayo clinic proc* 64: pp 18-204.
- 129- **Nishimura M, Takahashi H, Maruyama K, Ohtsuka K, Nanbu A, Hara K, Yoshimura M (1998):** Enhanced production of nitric oxide may be involved in acute hypotension during maintenance hemodialysis. *Am J Kidney Dis* 31:809-817. Noninvasive monitoring of hemodynamic variables. Thesis Amsterdam.

- 130- Noris M, Benigni A, Boccardo P, Aiello S, Gaspari F, Todeschini M, Figliuzzi M, Remuzzi G (1993):** Enhanced nitric oxide synthesis in uremia: implications for platelet dysfunction and dialysis hypotension. *Kidney Int* 44:445-450.
- 131- Ommen S, Nishimura R, Appleton C, et al. (2000):** Clinical utility of Doppler echocardiography and tissue Doppler imaging in the estimation of left ventricular filling pressures: A comparative simultaneous Doppler-catheterization study. *Circulation*,; 102:1788-1794.
- 132- Orofino L, Marcen R, Quereda C, et al. (1990):** Epidemiology of symptomatic hypotension in haemodialysis: Is cool dialysate beneficial for all patients? *Am J Nephrol*; 10:177-179.
- 133- Palmer BF, Henrich WL (2008):** Recent Advances in the Prevention and Management of Intradialytic Hypotension. *J Am Soc Nephrol* 2008; 19: 8-11.
- 134- Park MK,** textbook of pediatric cardiology. 3rd edition St, Louis, Mosby-Year book. Pp.250-259.
- 135- Pastan s, and Bailey J. (1998):** Dialysis Therapy. *NEJM* 1998; Volume 338:1428-1437.
- 136- Pelosi G, Emdin M, Carpeggiani C, Morales MA, Piacenti M, Dattolo P, Cerrai T, Macerata A, L'abbate A, Maggiore Q (1999):** Impaired sympathetic response before intradialytic hypotension: a study based on spectral analysis of heart rate and pressure variability. *Clin Sci (Lond)* 96:23-31.
- 137- Portatle, AA; Booth, BE. & Halloran, BP. (1984):** Effect of dietary phosphorus on circulating concentrations of 1.25-dihydroxy cholecaliferol and immunoreactive parathyroid hormone in children with moderate renal insufficiency. *J. Clin. Invest*; 73:1580-1589.

- 138- **Purkerson, MC. & Cole, BR. (1990):** Chronic renal failure in: pediatric textbook of fluid and electrolytes, *Williams and Wilkins Baltimore 6th (ed.)*, 89.
- 139- **Quinton W; Dillard D and Scribner BH (1960):** Cannulation of blood vessels for prolonged hemodialysis. *Trans. Am. Soc. Artif. Intern. Organs*, 6:104.
- 140- **Raine AE (1996):** The susceptible patient. *Nephrol Dial Transplant* 11 Suppl 2:6-10.
- 141- **Rhaman, AL. and Fine, RN. (1997):** CRF in children: Medical management. *Saudi J. Kidney Dis. transplant* 8 (3): 269-273.
- 142- **Ritz E, Ruffmann K, Rambašek M, Mall G, Schmidli M (1987):** Dialysis hypotension--is it related to diastolic left ventricular malfunction? *Nephrol Dial Transplant* 2:293-297.
- 143- **Rodrigo, EU. (2000):** Renal transplantation in children. Report of the North American pediatric transplantation. In: *Nelson textbook of pediatric 16th ed .Edited by McEnery PT, Stablein DM, Arbus G, p. 1612-1617.*
- 144- **Ross, EA. & Koo, L.C. (1998):** Improved nutrition after the detection and treatment of occult gastroparesis in nondiabetic dialysis patients. *Am J. Kidney Dis*: 31:62-66.
- 145- **Rothe CF (1983):** Reflex control of veins and vascular capacitance. *Physiol Rev* 63:1281-1342.
- 146- **Roy PN. Danziger RS (1996):** Dialysate magnesium concentration predicts the occurrence of intradialytic hypotension. (Abstract) *JAm Soc Nephrol* 7:1496.
- 147- **Sadowski RH. Alired EN, Jabs K (1993):** Sodium modelling ameliorates intradialytic and interdialytic symptoms in young hemodialysis patients. *J Am Soc Nephrol* 4:1192 1198.
- 148- **Safouh, H. (1996):** A profile of renal diseases in Egyptian children. 1st pan Arab pediatric Nephrology conference, Cairo.

- 149- **Salusky, IB. (1995):** Bone and mineral metabolism in childhood end stage renal disease (ESRD). *Pediatr. Clin of North America*, vol 42, no 6, 1531: 1545.
- 150- **Sanchez, CP. and Salusky, IB. (1999):** Osteodystrophy In: Barratl TM Avner ED: Harman WE, (eds) *pediatric Nephrology*. 4th (ed) Baltimore, Lippincott Williams and Wilkins 1231-49.
- 151- **Santoro A, Mancini E, Spongano M, Rossi M, Paolini F, Zucchelli P (1990):** A haemodynamic study of hypotension during haemodialysis using electrical bioimpedance cardiography. *Nephrol Dial Transplant* 5 Suppl 1:147-153.
- 152- **Schadt JC, Ludbrook J (1991):** Hemodynamic and neurohumoral responses to acute hypovolemia in conscious mammals. *Am J Physiol* 260:H305-H318.
- 153- **Scharer, K.; Schmidt, KG. & Soergel, M. (1999):** Cardiac function and structure in patients with chronic renal failure. *Pediatr nephrol*. 13 (9): 951 - 65.
- 154- **Schiller NB. (2003):** Ejection fraction by echocardiography: The full Monty or just a peep show? *American Heart Journal*; 146:380-382.
- 155- **Schreiber MJ Jr. (2001):** Clinical, dilemmas in dialysis: Managing the hypotensive patient. Setting the stage. *Am J Kidney Dis*; 38(suppl 4):S1–S10.
- 156- **Schroeder KL, Sallusto JE, Ross EA (2004):** Continuous haematocrit monitoring during intradialytic hypotension: precipitous decline in plasma refill rates. *Nephrol Dial Transplant* 19:652-656.
- 157- **Sedman, A.; Friedman, A.; Boineau, F.; Strife, F. and Fine, R. (1996):** Nutritional management of the child with mild to moderate CRF. *J. Fed*, 129(2): pp. 513-18.

- 158- **Selby NM, McIntyre CW (2006):**.A systematic review of the clinical effects of reducing dialysate fluid temperature. *Nephrol Dial Transplant.* 2006 Jul;21 (7):1883-98.
- 159- **Shaheen FA and Al-Khader AA (2005):** Preventive strategies of renal failure in the arab world. *Kidney Int Suppl.Sep, (98):* 537-540.
- 160- **Sherman RA (1988):** The pathophysiologic basis for hemodialysis related hypotension. *Semin Dial* 1:136 142.
- 161- **Sherman RA, Daugirdas JT, Ing TS.(2007):** Complications during hemodialysis in Handbook of Dialysis (4th) Edition, Daugirdas JT, Blake pG, ing TS (Editors). *Lippincott Williams Wilkins, 2007; Philadelphia.*
- 162- **Sherman RA. Bialy GB, Gazinki B, et al. (1986):** The effect of dialysate calcium levels on blood pressure during hemodialysis. *Am J Kidney DR* 8:244 247.
- 163- **Sherman RA. Torre F. Cody RP (1988):** The effect of red cell transfusion on hemodialysis related hypotension. *Am J Kidney DR* 11:33 35.
- 164- **Shinzato T, Miwa M, Nakai S, Morita H, Odani H, Inoue I, Maeda K (1994):** Role of adenosine in dialysis-induced hypotension. *J Am Soc Nephrol* 4:1987-1994.
- 165- **Shoji T, Tsubakihara Y, Fujii M, Imai E.(2004):** Hemodialysis associated hypotension as an independent risk factor for Two years mortality in hemodialysis patients. *Kidney Int.*; 66:1212–1220.
- 166- **Shuler, CL. (1994):** Hypertension in CRF and dialysis patients. In: Pharmacology and management of hypertension. Bennett WM, McCarron DA, Stein JH, (eds), *Churchill, Livingstone, New York, pp. 73-86.*
- 167- **Silverman NH (1993):** Quantitative methods to enhance morphological information using M-mode, Doppler and cross sectional ultrasound. In: Pediatric Echocardiography. *Baltimore, Williams and Wilkins, pp 35-108.*

- 168- **Silverstein DM, Palmer J, Polinsky MS, Braas C, Conley SB, Baluarte Hj.(2000):** Risk factors for hyperlipidemia in long-term pediatric renal transplant recipients. *Pediatr Nephrol* 2000; 14:105-110.
- 169- **Silvio H., Diego E.V., Márcio Misocami, Simone M, Alexandre T. et al. (2004):** Effect of Preload Reduction by Hemodialysis on Left Atrial Volume and Echocardiographic Doppler Parameters in Patients with End-Stage Renal Disease. *Am J Cardiol* ; 94:1208–1210.
- 170- **Sitter T, Holzgartner V, Wolfram G, Toepfer M, Klare B, Gerzer R, Schiff H (1999):** assessment of hypervolemia by cyclic 3,5-guanonsine monophosphate in pediatric patient on hemodialysis. *Nephron* 83:287-288.
- 171- **Snider AR, Ritter SB(2001):** Doppler echocardiography in Moss and ADAMS heart disease in infants, children, and adolescents. (Sixth edition). *Lippincott Williams and Wilkins*, p 255-261.
- 172- **Snider, AR.; Serwer, G.A. & Ritter, S.B. (1996):** Defects in cardiac septation in: Echocardiography in pediatric Heart Disease. Editors AR. Serwer G.A. , Ritter,SB. *Year Book Medical publisher, INC. Chicago, London, Boca Raton, Littleton, pp. Ppublishers, inc. chicageo, London, Baco Raton, littlectoon, pp. 55-78.*
- 173- **Somers VK, Abboud FM (1996):** Neurocardiogenic syncope. *Adv Intern Med* 41:399-435.
- 174- **Steuer RR, Gemain MJ, Leypoldt JK, and Cheung AK (1998):** Enhanced fluid removal guided by blood volume monitoring during chronic hemodialysis. *Artificial Organs* 1998; 22(8): 627-632.
- 175- **Strauniann E, Lebrun M, Martoff CJ et al., (1998):** symmetric and asymmetric left ventricular hypertrophy in patients with end stage renal failure on long term hemodialysis. *clin cardiol*;21:672-678.

- 176- **Straver B, De Vries PM, Donker AJ, ter Wee PM (2002):** The effect of profiled hemodialysis on intradialytic hemodynamics when a proper sodium balance is applied. *Blood Purif* 20:364- 369.
- 177- **Straver B, Roggekamp MC, De Vries PM, ter Wee PM (1998):** Systemic vascular resistance in intradialytic hypotension determined by means of impedance cardiography. *Blood Purif* 16:281-289.
- 178- **Strong J, Burgett M, Buss ML, Carver M, Kwankin S, Walker D. (2001):** Effects of calorie and fluid intake on adverse events during hemodialysis. *J Ren Nutr.* 11:97–100.
- 179- **Swartz, RD. (1990):** Fluid, electrolyte and acid base balance changes during renal failure. *Pediatric Nephrol* 1: 289.
- 180- **Tarak S and Bradley AW (2007):** Overview of the management of chronic kidney disease in children. Up-To-Date. *wellesley: UpToDate, Inc..*
- 181- **Tasic, V. (2005):** Management of renal osteodystrophy in children. *Turk J Pediatr* 47 Suppl: 13- 8.
- 182- **Tawardowski ZJ (2003):** we should strive for optimal hemodialysis: a criticism of the hemodialysis adequacy concept. *Hemodial Int* 7(1):5-6.
- 183- **Taylor, R. & Waggoner, AD. (1992):** Doppler assessment of left ventricular diastolic function: a review. *Am. J. Soc. Echo cardiogram* 5: pp. 603-612.
- 184- **Tei, C.; Nishimura, RA.; Seward, JB. & Tajik, AJ. (1998):** Noninvasive Doppler-derived myocardial performance index Correction with simultaneous measurements of cardiac catheterization measurements. *Am J. Soc Echocardiogr* 10:pp. 169-178.
- 185- **Third report of the national Cholestrol Education program (NCEP) (2002):** Expert Panel on detection, evaluation, and treatment of the high blood cholesterol in adults (adult treatment panel III). *Circulation;* 06:3143.

- 186- Thomas, JD. & Wegan, AE. (1991):** Echocardiographic Doppler Evaluation of left ventricular diastolic function: physics and physiology. *Circulation*, 84: pp. 977-90.
- 187- Ting G, Freitas T;Saum N et al., (1998):**Early metabolic, hematological, clinical and life quality changes with daily hemodialysis. *Peritoneal dialysis INT.*, 18(Supple 1): 578.
- 188- Tisler A, Akocsi K, Harshegyi I et al. (2002):** Comparison of dialysis and clinical characteristics of patients with frequent and occasional hemodialysis-associated hypotension. *Kidney Blood Press Res* 2002; 25: 97–102
- 189- U.S. renal data system, USRDS 2005 (2005) Annual data report:** Atlas of end-stage renal disease in the United States, National institutes of Health, National institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD.
- 190- Ushioda E, Nuwayhid B, Kleinman G, Tabsh K, Brinkman CR, III, Assali NS (1983):** The contribution of the beta-adrenergic system to the cardiovascular response to hypovolemia. *Am J Obstet Gynecol* 147:423-429.
- 191- van der Sande FM, Cheriex EC, van Kuijk WHM. Leunissen KML (1998):** Effect of dialysate calcium concentrations on intradialytic blood pressure course in cardiac compromised patients. *Am J Kidney DR* 32:125 131.
- 192- van der Sande FM, Gladziwa U, Kooman JP, Bocker G, Leunissen KM (2000):** Energy transfer is the single most important factor for the difference in vascular response between isolated ultrafiltration and hemodialysis. *J Am Soc Nephrol* 11:1512-1517.
- 193- van der Sande FM, Kooman JP, Konings CJ, Leunissen KM (2001):** Thermal effects and blood pressure response during postdilution

- hemodiafiltration and hemodialysis: The effect of amount of replacement fluid and dialysate temperature. *J Am Soc Nephrol*; 12:1916–1920
- 194- **Van-Stone, JC. and Dangiradas, JT. (1994):** physiologic principles of hemodialysis. In: handbook of Dialysis Daugirdas and Ing Ts (eds). *Little Brown and Company, Boston 2nd (ed) 13.*
- 195- **Verresen L, Fink E, Lemke HD, Vanrenterghem Y (1994):** Bradykinin is a mediator of anaphylactoid reactions during hemodialysis with AN69 membranes. *Kidney Int* 1994; 45:1497 -1503.
- 196- **Vogt, BA. and Avner, ED. (2004):** Renal Failure, In: Behrman RE, Kliegman RM, Jenson HB (eds.) *Nelson Textbook of pediatrics .18th (ed.) W. B. Saunders Company, Philadelphia; 1767-1775.*
- 197- **Warady BA, and Chadha, V. (2007)** Chronic kidney disease in children: the global perspective, *Pediatr Nephrol. 2007 December; 22(12): 1999-2009.*
- 198- **Wardy, B.A.; Fivush, B.A.and Alexander S.R. (1999):** Peritoneal dialysis in Barratt TM, Avner ED, Hormon WE. (eds.): *Pediatric Nephrology, Ed. 4. Lippincott, William % Willkins, pp. 1251-66.*
- 199- **Wassner, SJ. (1999):** Conservation management of chronic renal insufficiency. In: *Pediatric Nephrology, 3rd edition Holliday MA, Barratt TM, and Avener ED. (eds) Williams and Wilkins, Baltimore, pp 1314 -1332 .*
- 200- **Wassner, SJ. and Baum, M. (1999):** Physiology and management of chronic renal failure. In: *Pediatric J Nephrology. Lippincott Williams and Wilkins. USA: Wolters Company 4th (ed) 1155-1182.*
- 201- **Watson AR(1995):** Strategies to support families of children with end stage renal failure. *Pediatr Nephrol* 9:628-631.
- 202- **Wattad, A.(2001):** Chronic renal failure, *Textbook of clinical pediatrics. Lippincott Williams & Wilkins,PP. 1316-1330.*

- 203- **Weiss, RA. (1992):** Dietary and Pharmacologic treatment of CRF. In: *Pediatric Kidney Disease, Edelmann CM, Bernstein J, Meadow RS, Spitzer A and Travis LB. Little Brown and company Boston 2nd(ed) 815-825.*
- 204- **William Drukker(1984):** Death or dialysis? *The EDETA-ERA at florance, italy, September 23-26, p. 322 B. Kidney int., 36; 326.*
- 205- **Williams, DM.; Chan, JCM. & Roth, KS. (2002):** Kidney failure in infants and children. *American Academy of pediatrics pediatr. Nephrol; 17: 111-120.*
- 206- **Wingen AM, Fabian-Bach C, Schaefer F, Mehls O.(1997):** Randomised multicentre study of a low-protein diet on the progression of chronic renal failure in children. European Study Group of Nutritional Treatment of Chronic Renal Failure in Childhood. *Lancet; 349:1117.*
- 207- **Wolfson, M.; Shuler, GJ. & Minturn, D. (1995):** Nutritional lymphocyte function in maintenance hemodialysis patients. *Am J Clin Nutr 39:547.*
- 208- **Wuhl E. Fush CH, Scharer K, Mehls O, Schaefer F(1996):** assessment of total body water in peadiatric patients on dialysis. *Nephrol Dial Transplant 11; 75-80.*
- 209- **Wuhl E., Mahnesmith RL. (2001):** pericarditis associated with renal failure. Evolution and management. *Semin Dial 14:61-6.*
- 210- **Yokokawa K, Mankus R, Saklayen MG, Kohno M, Yasunari K, Minami M, Kano H, Horio T, Takeda T, Mandel AK (1995):** Increased nitric oxide production in patients with hypotension during hemodialysis. *Ann Intern Med 123:35-37.*
- 211- **Youshida, K.; Shina, A. & Asamo, Y. (1980):** Uremic Pericardial effusion and evaluation of pericardial effusion by echocardiography_ *Clin. Nephrol. 13p:260.*
- 212- **Zoccali C, Tripepi G, Mallamaci F, Panuccio V (1997):** The heart rate response pattern to dialysis hypotension in haemodialysis patients. *Nephrol Dial Transplant 12:519-523.*

- 213- Zucchelli P, Santoro A. (1993):** Dialysis induced hypotension. A fresh look at pathophysiology. *Blood Purif.*11: 85–98.