

References

- Ashwal S., Mathur M., Petersen L., Stadtler M., and Tinsley C., (2008):** Variability in Pediatric Brain Death Determination and Documentation in Southern California. *Pediatric Critical Care*; 121(5): 988-993
- Avener E.D. and Davis D.I., (2008):** Glomerular Disease. *Nelson Textbook of pediatrics* 18th edition, Elsevier: 2163-2219.
- Barnard M., (2004):** Past, present and future. *Critical illness*; 45:223-234.
- Baykal A., Kbaby B., and Kocaeft C., (2007):** Prevention of multiple organ injury .*World J Surg.*; 31(1):105-115.
- Bianchi C., Donadio C., Tramonti G., Consani C., Lorusso P., and Rossi G.,(2001):** Reappraisal of serum β 2-microglobulin as marker of GFR.*Ren Fail*; 23:419-429.
- Biolo G., Togio G., Ciocchi B., Situlin R., Iskra F., and Gullo A., (1997):** Metabolic response to injury and Sepsis: changes in protein metabolism. *Nutrition*; 13:52S-57S.

Blumer J.L., Hill J.H., and Witte M.K., (1987): The Actually Ill or Injured Child Essential; Pediatrics 4th edition; Churchill UK: 179-215.

Bone R.C., (1996): Immunologic dissonance: A continuing evaluation in our understanding of the systemic inflammatory response syndrome (SIRS) and multiple organ dysfunction Syndromes (MODS). Ann Intern Med; 125: 680-687.

Bone R.C., Balk R.A., and Cerra F.B., (1992): Definitions for sepsis and organ failure and guidelines for the use of innovative therapies in sepsis: The ACCP/SCCM Consensus Conference Committee. American Collage of Chest Physicians/Society of Critical Care Medicine; 101:1644-1655.

Bricon T.L., Thervet E., Benlakehal M., Bousquet B., Legendre C., and Erlich D., (1999): Changes in plasma cystatin C after renal transplantation and acute rejection in adults. Clin Chem.; 45: 2243 - 2249.

Burns J.P., Mitchell C., Griffith J.L., and Truog R.D., (2001): End-of-life care in the pediatric intensive care unit: attitudes and practices of pediatric critical care physicians and nurses. Crit Care Med.; 29(3):695-696.

Clayden G., & Lissauer T., (2007): Pediatric emergencies, Illustrated Textbook of pediatrics 3rd edition, Elsevier: 71-88.

Cerioti F., (2008): Reference intervals for serum creatinine concentrations: Assessment of available data for global application. *Clinical Chemistry*, 54(3): 559–566.

Coll E., Botey A., Alvarez L., Poch E., Quintó L., Saurina A., Vera M., Piera C., & Darnell A., (2009): Serum Cystatin C as a New Marker for Noninvasive Estimation of Glomerular Filtration Rate and as a Marker for Early Renal Impairment; *American Journal of Kidney Diseases*; 36(10): 29-34.

Conche A., Morin D.J., Malage S., Fernande N., Dieguez M., and Solis G., (2007): Cystatin C and beta 2 microglobulins: markers in critically ill children. *Crit Care*; 11(3).

Corte D., Waele D J., Blot S., Danneels C., Dhondt A., Claus S and Hoste E., (2008): Serum urea as a marker for initiation of renal replacement therapy in ICU patients with acute kidney injury. *Critical Care*; 12(2): 478.

Covert., (2007): Heart to heart. *Critical illness*; 4: 11-12.

- Despond O., Proulx F., Carcillo J.A and Lacroix J., (2001):*** Pediatric sepsis and multiple organ dysfunctions. *Curr Open Pediatric*; 13: 247-253.
- Dharnidharka V.R., Kwon C, and Stevens G., (2003):*** Serum cystatin C is superior to serum creatinine as a marker of kidney function. *Am J Kidney Dis*; 40: 221–226.
- Djovanovic D., Krstivojevic P., Obradovic I., Durdevic V., and Dukanovic L., (2003):*** Serum cystatin C and beta 2 micro-globulins as markers of Glomerular filtration rate. *Ren Fail*; 25(1):123-133.
- Elshfie A.I., Elghazali G., Ronnelid J., and Venge P., (2006):*** Cystatin C as marker of immune complex association renal impairment *Trop.Med.Hyg*; 75(5):864-868.
- Engel N., (2006):*** The National Heart, Lung, and Blood Institute Acute Respiratory Distress Syndrome (ARDS) Clinical Trials Network: Pulmonary artery versus central venous catheter to guide treatment of acute lung injury .*J Med*; 354:2213-2224.
- Fanos V., Mussap M., Plebani M., and Cataldi L., (1999):*** Cystatin C in pediatric nephrology. Present situation and prospects. *Minerva Pediatr.*; 51: 167 – 177.

Filler G., Priem F., Lepage N., Sinha P., Vollmer I., Clark H., Keely E., Matzinger M., Akbari A., Althaus H., et al., (2002): β -Trace protein, cystatin C, β 2-microglobulin, and creatinine compared for detecting impaired glomerular filtration rates in children. Clin Chem; 48:729-736.

Filler G., Bökenkamp A., Hofmann W., Le Bricon., Martínez-Brú C., and Grubb A., (2005): Cystatin C as a marker of GFR-history, indications, and future research. Clin Biochem; 38:1-8.

Finney H., Newman D.J, Thakkar H., Fell J.M and Price C.P., (2000): Reference ranges for plasma cystatin C and creatinine measurements in premature infants and older children. Arch. Dis Child.; 82: 71 – 75.

Fliser D., Ritz E., (2002): Serum cystatin C concentration as a marker of renal dysfunction in the elderly. Am J Kidney Dis; 37: 79–83.

Frankel L.R., (2004): Pediatric critical Care: Nelson textbook of pediatrics .17: 268-269.

Fry D., (1992): Multiple system organ failure .Donald Fry(Ed).St. Louis, Moss by year Book, 3-14.

Gerbes A.I., Gulberg V., Bilzer M., and Vogeser M., (2002): Evaluation of serum cystatin C concentration as a marker of renal function in patients with cirrhosis of the liver. *GUT*; 50: 106 – 110.

George M F Lesley A. Stevens, M.D., Josef Coresh, M.D., Ph.D., Tom Greene, Ph.D., and Andrew S. Levey, M.D (2008): Assessing Kidney Function — Measured and Estimated Glomerular Filtration Rate. *The New England J Medicine*; 354:2473-2483.

Gilbert T.T., Wagner M.R., Halukurike V., (2001): *Use of bi-spectral electroencephalogram monitoring to assess neurologic status in unsteady, critically ill patients. Crit Care Med*; 29:1996-2000.

Grindstaff R.J., and Tobias J.D., (2004): Applications of bi spectral index monitoring in the pediatric intensive care unit .*J Intensive Care Med*; 19:111-116.

Greenstein R.J., Halpern N.A., Pastores S.M., (2004): Analysis in pediatric ICU in United States. *Crit Care Med*; 32: 1254-1259.

Grubb A., (1992): Diagnostic value of analysis of cystatin C and protein HC biological fluids. *Clin Nephrol.*; 38: 51: S20 – S27.

Grubb A.O., (2000): Cystatin C – properties and use as diagnostic marker. *Clin Chem*; 35:63-99.

Goldman A., Hainer R., and Lieben S., (2005): Medical, Psychological and practical issues of caring for terminally ill child and their Families'. The Oxford textbook of palliative care, 3rd Edition: 134-175.

Goldstein B., Girioir B., and Randoolph A., (2005): Definitions for sepsis and organ dysfunction in pediatrics. Pediatric Crit Care Med: 6(1)2-8.

Hatherill M., (2006): The Critically Ill Child, Oxford Handbook of pediatrics 6th Edition: 160-170.

Hazinski M.F., (1999): Psychological aspect of pediatric critical Care: Manual of pediatric critical Care; 4: 14-44.

Herget R.S., Trabold S., Fietruck F., Holtman M., Philip T., and Kribben A., (2000): Cystatin C efficacy as a screening test for reduced glomerular filtration rate. Am. J. of Nephrology; 20: 97 – 102.

Herget-Rosenthal S., Marggraf., Hüsing., Göring F., Pietruck F., Janssen O., Philipp T., and Kribben A., (2004): Early detection of acute renal failure by serum cystatin C. Kidney Int. ; 66 :1115-1122.

- Herrero J.D., Málaga S., Fernández N., Rey S., Diéguez M.A., Solís G., Concha A., and Medina A., (2007):** Cystatin C and beta 2-microglobulin: markers of glomerular filtration in critically ill children. *Critical Care*; **11**(3).
- Hinshaw L., (1996):** Sepsis/septic shock: Participation of the micro-circulation. *Crit Care MED*; 24:1072-1078.
- Hoste E.A., Damen J., Vanholder R.C., Lameire N.H., Delanghe J.R., Van den Hauwe K., and Colardyn F.A., (2005):** Assessment of renal function in recently admitted critically ill patients with normal serum creatinine. *PubMed*; 20(4):747-753.
- Huber A.R., Risch L., and Blumberg A., (2001):** Assessment of renal function. *Ren Fail*; 23(3-4):439-448.
- Hull D., & Johnston D.I., (1999):** The ill child, *Essential Pediatrics* 4th edition Churchill UK: 1-13.
- Hull D., & Johnston D.I., (1999):** Urinary tracts and testes, *Essential Pediatrics* 4th edition Churchill UK: 183-201.
- Hulst J., Joosten K., Zimmermann L., Hop W., Van Buuren S., and Bqller H., (2004):** Malnutrition in critically ill Children: from admission to 6 months after discharge. *Clini Nut* 23:223-232.

Hulzelmann N., Genth E., Krieg T., Meurer M., Mechters I., Moinnzhadah P., Pfeiffer C., and Riemekasten G., (2008): The SOFA score.

Interon A., (2003): Evaluation, Classification, and Stratification of chronic kidney diseases. Criti Med; 139:137-139Rheumatol; 67(4): 337-340.

Irwin and Rippe., (2006): Systemic inflammatory response syndrome (SIRS).J Phrmacol .Sci; 101(3):189-198.

Jafari H., McCracken., G Jr., (1992): Sepsis and septic shock. A review for clinical. Pediatr Infect Dis J; 11:739-749.

Jan C., (2006): Recommendation for improving serum creatinine Measurement: a report from the laboratory working group of the national kidney; 52:5-18.

Janssens U., Graf C., Graf J., et al., (2000): Evaluation of SOFA score ,a single center experience of a medical intensive care unit in 303 consecutive patients with predominately cardiovascular disorders .Intensive Care Med; 26: 1037-1045.

John G.T., Fleming J.J, Talaulikar G.S., Servakumar R., Thomas P.P., and Jacob C.K., (2003): Measurement of renal function in kidney donors using serum cystatin C and β 2-microglobulin. Ann Clin Biochem; 40: 656-658.

Kazama J., Kutsuwada K., Ataka K., Maruyama H., and Gejyo F., (2002):

Serum cystatin C Reliably detects renal dysfunction in patients with various renal diseases. *Nephron*; 91: 13–20.

Kajdacsy A.C., Armal B., Andeade F.M., Artigas A.R., Cantinratine F., and Vincent J.L., (2005): Use of the SEQUENTIAL ORGAN FALIURE ASSESMENT SCORE AS ASEVRITY SCORE. *Icm Journal*; 31(2):243-249.

Keegan M., Afessa B., and Gajic O., (2009): *Severity of Illness and Organ Failure Assessment in Pediatric Intensive Care Units. Critical Care Clinics*; 23(3): 639-658.

Kirkham F.J., Newton C.R., and Whitehouse W., (2008): Pediatric coma scales. *Developmental medicine & child neurology*; 50:267-274.

Kirsti A. and Dyer M.D., (2006): Definition of Somatic Death. *Palliative Care J*; 23:223-225.

Kon V., Ichikawa I., Avner E.D, Harmon W.F., and Niauder P., (2004) (editors): *Pediatric Nephrology* 5th ed. Baltimore, Lippincott Williams & Wilkins, 25 – 44.

- Kyhse A.J., Schmidt C., Nording G., Andersson B., Nilsson P., Lindstrom V., et al., (1994)** : Serum cystatin C determined by a rapid automated particle-enhanced turbid metric method is a better marker than serum creatinine for glomerular filtration rate . Clin Chem.; 40: 1921 – 1926.
- Laterza O.F., Price C.P., and Scott M.G., (2002)**: Cystatin C an improved estimator of glomerular filtration rate? Clin Chem; 48: 699-707.
- Leclerc F., Leteurtre S., Duhmal A., Grandbastein B., Proulex F., Martinot A., Gauvin F., Hubert P., and Iacroy J., (2005)**:Cumulative influence of organ dysfunction and septic state on mortality of critically ill children .American Journal of respiratory and critical care medicine ;171:384-353.
- Levely A.S., Stevenes L.S.,and Coresh J., (2006)**: Assessing kidney function measured and estimated Glomerular filtration rate .N Engl J Med; 354:2473-2483.
- Lissauer T., & Clayden G., (2007)**: Assessment of renal function in children, Illustrated Textbook of pediatrics 3rd edition: 307-328.
- Mastuda N., (2008)**: Alert cell strategy for sever sepsis .Masui; 57(3): 327-324.

Mastuda N., and Hatttori Y., (2006): Systemic inflammatory response syndrome (SIRS). J Pharmaco Sci; 101(3):189-198.

Marcdante K.J., (2006): The Acutely ill or injured Child, Nelsons essential of **pediatrics** 5th edition, Elsevier: 179-215.

Marcdante K.J., (2006): NPHROLOGY AND UROLOGY Nelsons essential of pediatrics 5th edition, Elsevier: 751-770.

Marcin J.P., and Pollack M.M., (2007): Review of the scoring systems for the pediatric intensive care unit their use in quality improvement. Intensive Care Med; 22:131-140.

McCulloch M.I., (2006): Renal failure. Oxford Handbook of pediatrics 6th edition: 270-284.

McCulloch M.I., (2006): Renal function testes .Oxford Handbook of pediatrics 6th edition: 478-497.

Milbrandt E.B., Clermont G., Javier Martinez J., Kersten X., Rahim M.T., and Angus D.C., (2006): Predicting late anemia in critical illness. Critical Care: 10(1):233-236.

Montgomery A., Stager M., Carrico C., et al., (1985): Causes of mortality in patients with the adult respiratory distress syndrome. Am Rev Respir Dis; 132:485-489.

- Mocroft, Amanda; Wyatt, Christina; Szczech, Lynda; Neuhaus, Jacquie; El-Sadr, Wafaa (2009):** Cystatin C has been proposed as an alternative marker of renal function .Ren Fail. 23; 71-82.
- Mussap M., Ruzzante N., varagnolo M., and Plebani M., (1998):** Quantitative automated Particle-enhanced immunonephelometric assay for routinely measurement of human cystatin C. Clin. Chem. Lab. Med.; 36 (11): 859 – 865.
- Neqman D.J., Thakkar H., Robert G., et al., (1995):** Serum Cystatin C measured by automated immunoassay; a more sensitive marker of changes in GFR than serum creatinine. Kid Int.; 312.
- Newman D.J., Thkkar H., Edwards R.G., Wilkie M., Whyte T., Grubb A.O., and Price C.P., (1995):** Serum cystatin c measured by automated immunoassay: A more sensitive markers of changes in GFR than serum creatinine Kidney international J; 47:312-318.
- Nordenson N .J., (2006):** Beta 2-microglobulin associates with beta-amyloid peptide and prevents fibril formation. Ren Fail. 51(75); 333-366.
- Nguyen T., Hall M., and HanY, (2001):** Micro-vascular thrombosis in pediatric multiple organ failure: Is it a therapeutic target? Pediatric Crit Care Med; 2:187-196.

- Nitta K, Hayashi T, Uchida K., et al., (2002):** Serum cystatin C as a marker of Glomerular filtration rate in patients with various renal diseases. Intern Med; 41: 931–5.
- Norlund L., Fex G., Lanke J., Von-Schenk H., et al., (1997):** Reference interval for GFR and cell proliferation markers: Serum cystatin C and beta-2microglobulin / Cystatin C ratio. Scand. J Clin Lab. Invest.; 57 (6): 463 – 470.
- Odell R.A., et al., (1991):** Beta 2-microglobulin kinetics in end stage renal failure. Kidney Int.; 39:909-919.
- Pinsky M.R., (2007):** Hemodynamic evaluation and monitoring in ICU. Chest; 132(6):1020-2029.
- Price C.P., Finney H., Newman D.J., Gruber W., and Merle P., (1997):** Initial evaluation of cystatin C. Clin Chem.; 43:1016-1022.
- Proulx F., Fayon M., and Farrel C., (1996):** Epidemiology of sepsis and multiple organ dysfunction syndromes in children. Chest; 109:1033-1037.
- Proulx F., Boeuf B., and Lacroix J., (1997):** Pediatric multiple organ dysfunction syndrome. Intensive Care World; 14:79-82.

Proulx F., Gauthier M., and Nadeau D., (1994): Trimming and predictors of death in pediatric patients with multiple organ system failure. Crit Care Med; 22:1025-1031.

Rainer M., and Engel M.D., (1997): The Kidneys, Male Genitourinary System, and perineum .The Johns Hopkins Atlas of Human Functional Anatomy, 4 editions 149-154.

Ramasy G., Levy M.M., Fink M.P., Karshall J .C., Abrhamm E., Angus D., Cook D., Cohen J ., Opal SM., and Vincet J L.,(2001):International Sepsis Definitions Conference. Criti Care Med; 31(4):1250-1256.

Randloh A.G., Gonzales C.A., Cortellini L., and Yeh T.S., (2004): Growth of pediatric intensive care units in United States from 1995 to2001. Pediatric J; 144:792-798.

Reid J.D., (2007): Nephrology. Essential Revision Notes in Pediatric for the MRCPH 2ND edition bound U K, 659-711.

Riechers R.G., Ramage A., Brown W., Kalehua A., Rhee P., Ecklund J.M., and Ling S.F.(2005): Physician Knowledge of the Glasgow Coma Scale. Journal of neurotrauma; 22(11):1327-1334.

Radolph A., Siaway M., Walzl G., Djoba J., (2005): Correlates for disease progression and prognosis during concurrent HIV/TB International Journal of Infectious Diseases; 11 (4): 289-299.

Schwarz A.J. (2008): Shock. Criti care; 25:15-23.

Selberg O., and Sel S., (2001): The adjunctive value of routine biochemistry in nutritional assessment of hospitalized patients. Clin Nutr; 20:477-485.

Servais A., Giral P., Bernadrd M., Deray G., Bagnis I.C., (2008): Is serum cystatin – C a reliable marker for metabolic syndrome? Am J Med; 121(5):426-432.

Simonsen, O., Grubb A., Thysell H., (1995): blood serum concentration of cystatin C (gamma-trace) as a measure of the glomerular filtration rate. *Scand J Clin Lab Invest*, 45(2): 97-101.

Steinhart C., Wilkinson J., Pollack M., Glass N., Kanter R., and Katz R., (2009): Mortality associated with multiple organ system failure and sepsis in pediatric intensive care unit. *The Journal of Pediatrics*, 111, (3): 324-328

Stickle D., Cole B., Hock K., Hruska K.A., and Scott M.G., (1998): Correlation of plasma concentrations of cystatin C and creatinine to inulin clearance in pediatric population. Clin Chem.; 44: 1334 – 1338.

- Tamba K., Kusano E., Ando Y., and Asano Y., (2001):** Prospective evaluation of renal function testing by serum cystatin C: comparison with three other parameters of glomerular filtration rate. *Nippon Jinzo Gakkai Shi*; 43: 646–50.
- Tantalean J., Leon R., Santos A., and Sanchez, (2003):** Multiple organ dysfunction syndromes in children. *Pediatrics Criti Care Med*; 4:181-185.
- Tobias J.D., Connors D., Strauser L., et al., (2000):** Continues ph and Pco2 monitoring during respiratory failure in children with the pretend 7 inserted into the peripheral venous system. *Pediatr*; 136:623-627.
- Vincent J.L., Moreeno R., and Takala J., (2006):** The SOFA (Sepsis – related Organ Failure Assessment) score to describe organ dysfunction/ failure. *Intensive Care Med*; 22:707-710.
- Whelton A., Waston A.J., and Rock R.C., (1994):** Nitrogen metabolites and renal function. In: *Tietz textbook*. Philadelphia: WB Saunders; 1513 – 1575.
- Wilkinson J., Pollack M., Glass N., et al (1987):** Mortality associated with multiple organ system failure and sepsis in pediatric intensive care unit. *J Pediatr* 111:324-328.