

REFERENCES

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Aikawa, J.K. (1976):

Biochemistry and physiology of magnesium. Trace elements in human health and disease (A.S. Prasad, ed) Academic Press, New York, P. 47-78

- Altura, B.M. and Altura, B.T. (1991):

Measurement of ionized magnesium in whole blood and serum with a new ion selective electrode in healthy and asthmatic subjects. *Magnes-Trace Elem*, 10: 2-4.

- Altura, B.M. and Altura, B.T. (1987):

Magnesium relation to preeclampsia, bronchial asthma and hypertension. *Magnesium*, 5(7): 251-87

- Altura, B.M., Altura, B.T. and Carella, A.B. (1981):

Hypomagnesemia and vasoconstriction: Possible relationship to etiology of sudden ischemic heart disease. *Allergy*, 9: 212-31.

- Anast, C.S. and Gilbert, D.W. (1981):

Magnesium metabolism; in Bronner, F, (ed.) Disorders of mineral metabolism. New York, Academic Press, 3: 423-506.

- Anderson, S.D. (1989):

Exercise induced asthma. Allergy proceeding, 10: 215- 26.

- Barnes, P.J. (1990):

Effect of corticosteroids on airway hyperresponsiveness. Am Rev Respir Dis 141: 570-76.

- Barnes, P.J., Chung, K.F. and Sizt, R.A. (1989):

Muscarinic subtypes. Implication for lung disease. Thorax, 44: 161-67.

- Barnes, P.J. (1986):

Asthma as an axon reflex. Lancet, 1: 242-44.

- Barton, S.L., Jack, W.B. and Coburn, J.A. (1983):

Calcium and magnesium metabolism. Textbook of Nephrology, Part II, P. 72-85.

- Beisel, W.R. (1982):

Single nutrients and immunity. Am. J. Clin. Nutr., 35: 417-68.

- Beyenbach, K.W. (1988):

Magnesium metabolism. Magnesium, 6: 57-88.

- Bjorksten, B.M. Thomas, A.E. and Gerrard, J.B. (1990):

Environmental and developmental factors in allergic diseases in infancy and early childhood. Minneapolis, University of Minnesota, Press, P.84-86.

- Bohmer, T.K., Britton, J.M. and Richard, K.M. (1994):

Factors affecting the occurrence of airway hyperreactivity in general population. Eur. Respir. J. 7: 881-87.

- Brenner, A.M., Berkowitz, R.A. and Marshall, N.B. (1988):

Need for theophylline in steroid requiring asthmatics. Clin. Allergy, 18: 143-50.

- Britton, J.M., Pavord, I.J. and Alan, K.M. (1994):

Dietary magnesium, lung function, wheezing and airway hyperactivity in a random adult population sample. Lancet, 344: 357-62.

- Busse, W.W. (1988):

Respiratory infection and bronchial hyperreactivity. J. Allergy Clin. Immunol. 81: 770-75.

- Caddel, J.J. (1972):

Magnesium deprivation in sudden unexpected infant death. Lancet, 221: 258-62.

-
- Canny,G.J. and Levison,H.A. (1987):
The modern management of childhood asthma. *Pediatric Review and Communication*, 1: 123-62.
 - Chang,C.A., Bloom,S.B. and Kitz,Z.M. (1985):
Biological importance of magnesium. *J. Am. Coll. Cardiol.*, 9: 280-89.
 - Church,U.K. (1989):
Reassessment of mast cell stabilizers in the treatment of respiratory diseases. *Ann. Allergy*, 62: 215.
 - Cippola,C.A., Ochionera,T.A. and Gunther,P.A. (1990):
Magnesium pidolate in the treatment of seasonal allergy. *Magnes. Res.*, 3: 109-12.
 - Cockcroft,D.W. (1987):
Comparative effects of inhaled salbutamol and sodium cromoglycate on allergen-induced early and late asthmatic responses. *J. Allergy Clin. Immunol.*, 79: 734-40.
 - Cockcroft,D.W., Murdock,K.Y. and Barnes,P.M. (1987):
Airway hyperresponsiveness, therapeutic implications. *Ann. Allergy*, 59: 405-14.
 - Daniele,P.R. (1985):
Asthma. In *Cecil Textbook of Medicine*, P. 390-93.

-
- David, L.A. and Anast, C.B. (1974):
Variations in magnesium levels in health and disease. J. Clin. Invest., 54: 287-89.
 - David, P.B., Stempel, M.D. and Stanley, A.W. (1991):
Management of chronic asthma. The pediatric clinics of North American, 39: 1310-13.
 - Dudin, K.M. and Teebi, A.N. (1987):
Primary hypomagnesemia. Eur. J. Pediatr., 146: 303-8.
 - Dumas, B.T., Watson, W.A., and Biggs, H.S. (1971):
Colorimetric determination of albumin in serum and plasma. Clin Chem. Acta, 31: 37.
 - Durlach, J.A. and Collery, P.H. (1984):
Magnesium and potassium in carbohydrate metabolism. Magnesium, 3: 315-23.
 - Ellin, R.J. (1988):
Magnesium metabolism. Dis. Man., 34: 128-66.
 - Ellis, E.F. (1983):
Allergen and asthma. J. Allergy Clin. Immunol., 72: 526-28.

-
- Emil, M.A., Skobeloff, L.A. and Spivey, M.D. (1989):
Intravenous magnesium sulfate for treatment of acute asthma
in the emergency department. JAMA, 262: 141-47.
 - Erjefalt, I.A., Tager, A.M. and Person, C.G. (1989):
Inflammatory leakage of plasma macromolecules into airway
tissue and lumen. Pulmonary pharmacology, 2: 93-102.
 - Falkner, D.G., Glauser, J.B., and Allen, M.A. (1992):
Plasma and RBCs magnesium levels in asthmatic patients
during acute exacerbation of asthma. Am. J. Emerg. Med.,
10: 1-5.
 - Fesmire, F.M. (1993):
Intravenous magnesium for treatment of acute asthma. Am.
Emerg. Med., 22: 616-19.
 - Fieccadori, E.A., Coffrini, E.B. and Gunther, T.M. (1988):
Muscle and serum magnesium in pulmonary intensive care
unit patients. Crit. Care. Med., 16: 751-58.
 - Flink, E.B. (1976):
Magnesium deficiency and magnesium toxicity in man. In:
Prasad, A.S. (ed): Trace elements in human health and
disease, Academic Press, New York, P. 1- 21.

- Freitag,J.J. and Martin,K.J. (1988):

Manual of medical therapeutics by Missauri,S.L., and Freitag,J.J. 23rd ed. Little, Brown & Company Boston, P. 341-42.

- Fuller,R.W., Dixon,C.M. and Dollery,C.T. (1986):

Prostaglandin D₂ potentiates airway responses of histamine and methacholine. Am. Rev. Respir. Dis., 133: 252- 54.

- Galland,L.A. (1988):

Magnesium and immune function: An overview. Magnesium, 7: 293-99.

- Garfield,G.A. (1980):

Magnesium metabolism. Diseases of metabolism. New York, Toronto, London, P. 278-97.

- Gleich,G.J., Flaranan,N.A. and Fujisawa,T.A. (1988):

The eosinophil as a mediator of damage to respiratory epithelium. J. Allergy. Clin. Immunol., 81: 776-81.

- Graber,T.W., Yee,A.S. and Beaker,F.J. (1981):

Magnesium metabolism. Ann. Emerg. Med., 10: 49-52.

- Grainger,D.N., Stenton,S.G. and Avery,A.J. (1990):

The relationship between atopy and non specific bronchial responsiveness. Clin. Exp. Allergy., 2012: 181-87.

- Grant, I.W. (1983):

Bronchial asthma classification. Br. Med. J., 1983; 286: 374-78.

- Gregg, I.P. (1983):

Epidemiological aspects. Asthma, 2nd ed. London Chappman and Hall, P. 242-48.

- Grindler, A.M., Gosephson, B.A. and Nicole, M.D. (1971)

Colorimetric determination of magnesium in both plasma and RBCs. Clin. Chem., 17: 662.

- Grubb, R.A. and Maguire, M.B. (1987):

Renal handling of magnesium. Magnesium, 6: 113-27.

- Hagg, E.M. (1982):

Magnesium in endocrinology. Acta. Med. Scand. (Suppl), 661: 2-7.

- Harper, H.A., Radwell, V.W. and Mayer, P.A. (1981):

Water and mineral metabolism. Review of physiological chemistry. 16th ed. Los. Altos, California, P. 516-42.

- Haury, V.J. (1942):

Blood serum magnesium in bronchial asthma and its treatment by the administration of magnesium sulfate. J. Lab. Clin. Med., 26: 340-43.

- Hays,R.M. (1980):

Dynamics of body water and electrolytes. Clin. Disorders of fluid and electrolytes metabolism. M.H. Maxwell and G.R. Kleeman. 3rd ed., New York, McGraw Hill Book, P. 1- 36

- Hischfielder,A.M. and Harper,V.M. (1984):

Clinical manifestations of high and low plasma magnesium. JAMA., 102: 1138-45.

- Hui,K.P., Herbst,J.J., and Barnes,N.C. (1991):

Lung function improvement with cytseinyl. Leukotriene receptor antagonist. Lancet, 337: 1062-64.

- Josephson,B.A. and Gyllensward,C.M. (1957):

Colorimetric determination of total plasma protein in serum and plasma. Scand. J. Clin. Lab. Invest., 929.

- Kaliner,M.A. (1989):

Asthma and mast cell activation. J. Allergy Clin. Immunol., 83: 510-21.

- Kerrebijn,K.F., Van Essen-Zanduliet,E.E. and Neijens,H.J. (1987):

Effect of long term treatment with inhaled corticosteroids and B- agonists on the bronchial hyperresponsiveness in children with asthma. J. Allergy. Clin. Immunol., 79: 653-59.

- Knutsen, R.A., Bohmer, T.K. and Falch, J.M. (1994):

Intravenous theophylline-induced excretion of magnesium in patients with recurrent asthmatic attacks. Scand. J. Clin. Lab. Invest., 154: 119-25.

- Konig, P.A. and Godfred, S.B. (1978):

Prevalence of exercise-induced bronchial liability in families of children with asthma. Arch. Dis. Child., 48: 513-17.

- Krupp, M.G. (1981):

Fluid and electrolyte disorders. In: Current medical diagnosis and treatment. Large Medical Publication, P. 17- 20.

- Kuller, L.A. and Ferrari, N.M. (1985):

Relationship of diuretic therapy and magnesium level. Am. J. Epidemiol., 122(6): 104-35.

- Kurtz, N.R. (1983):

Introduction to social statistics. 3rd ed. McGraw-Hill Book Company, New York, P. 163.

- Laitinen, L.A. (1991):

Pathology of human asthma. Asthma. Its pathology and treatment. New York, Dekker, P. 103-34.

- Landon, R.A. and Young, E.A. (1993):

Role of magnesium in regulation of lung function. J. Am. Diet. Associ., 6: 674-76.

- Lee, C.M. and Zaloga, G.P. (1986):

Unresolved question of renal magnesium homeostasis. Magnesium, 7: 234-47.

- Lenchner, S.G. (1983):

Asthma. In: Kage D and Rose, E.L. Fundamentals of internal medicine. The C.V. Mosby Company At Lowis, P. 1018-23.

- Liang, I.A., Reidel, F.B. and Yap, P.M. (1982):

Atopy predisposing to acute bronchiolitis during an epidemic of respiratory syncytial virus. Br. Med. J., 284: 70-72.

- Martin, H.A., Roland, J.J. and Paul, A.K. (1985):

Relationship between magnesium and protein concentration in plasma. Clin. Chem., 31: 198-201.

- Mathew, R.J. and Altura, B.M. (1992):

The role of magnesium in lung diseases, asthma, allergy and pulmonary hypertension. Magnesium and trace elements, 10(2-4): 220-28.

- Mathew, R.J. and Altura, B.M. (1988):

Magnesium and the lungs. Magnesium, 7: 173-87.

-
- **McNamara,R.M., Spivey,W.H. and Skobeloff,E.M. (1989):**
Intravenous magnesium sulfate in the management of acute respiratory failure complicating asthma. *Ann. Emerg. Med.*, 18: 197-99.
 - **Middleton,E.J. (1988):**
Antiasthmatic drug therapy and calcium ions. Review of pathogenesis and role of calcium. *J. Pharm. Sci.*, 69: 243-321.
 - **Mike,S.A. (1992):**
Asthma. In: Forfar and Arniels textbook of pediatric 4th ed, 12: 610-16.
 - **Mok,J.A., Simpson,H.B. and Parker,H.L. (1982):**
Outcome of acute lower respiratory tract infection in infants. *Br. Med. J.*, 285: 313.
 - **Molloy,D.W., Dhingra,S.A. and Solven,F.B. (1984):**
Hypomagnesemia and respiratory muscle power. *Am. Rev. Respir. Dis.*, 129: 497-99.
 - **Montgomery,G.L., Trepper,R.S. and Chernisk,V.M. (1990):**
Changes in airway reactivity with normal infants and young children. *Am. Rev. Respir. Dis.*, 142: 1372-76.

- Morris,G.I(1985):

Mechanism of glucocorticoid action in pulmonary diseases.
Chest, 88: 1335-46.

- Munro,H.N. (1980):

Recommended dietary allowances, ed Washington, DC,
National Academy Science, P. 134-36.

- Nelson,D.R., Sachs,M.I. and O'Connell,E.J. (1992):

Approaches to acute asthma and status asthmaticus in
children. Mayo. Clin. Proc., 64: 1392-1402.

- Noppen, M.A., Vanmaele, L.B. and Impens, N.E. (1990):

Bronchodilating effect of intravenous magnesium sulfate in
acute severe bronchial asthma. Chest, 97: 3-6.

- Norma,J.M. (1984):

Body fluids and electrolytes. 4th ed. Toronto, Churchill
Livingstone, P. 110-18.

- Okayama,H.A., Aikawa,T.N. and Meenly,G.R. (1987):

Bronchodilating effect of intravenous magnesium sulfate in
bronchial asthma. JAMA, 257: 1076-79.

- Patterson, R.A. (1980):

Allergic diseases, diagnosis and management, 2nd ed. J.B.
Littin Cott. Company, Philadelphia and Toronto, P. 127- 29.

- Pauwell, R.A., Von Renterghem, D.B. and Speizer, F.E. 1985):

The effect of theophylline on allergen-induced bronchoconstriction. J. Allergy. Clin. Immunol., 1988; 76: 583-90.

- Pearlman, D.S. (1989):

Bronchial asthma: A perspective from childhood through adulthood. In: Current textbook of pediatric, 10th ed., 8: 981-86.

- Pears, S.H., Landon, L.I and Flowers, R.J. (1990):

The role of lipocortin in corticosteroid actions. Am. Rev. Respir. Dis., 141: 518-21.

- Pepys, J.A. (1981):

Allergic respiratory diseases due to extrinsic agents. In: Scadding, J.C. and Cumming, G. Scientific Foundation of Respiratory Medicine, William Heinemann Medical Books Ltd, 422-78.

- Pepys, J.A. (1975):

Bronchial provocation tests in etiologic diagnosis and analysis of asthma. Am. Rev. Respir. Dis., 112: 819-22.

- Persson, C.G. (1986):

Role of plasma exudation in asthmatic airways. *Lancet*, 2:
1126-29.

- Phelan, P.D., Landon, L.I. and Olinsky, A.M. (1982):

Respiratory illness in children, Edit: Petter, Louis I. Landon
and Anthony, The Alden Press, Oxford, London, Edinburgh,
P. 104

- Piacentini, G.L., Salkie, M.L. and Kaliner, M.A. (1991):

The potential roles of leukotrienes in bronchial asthma. *Am.
Rev. Respir. Dis.*, 143: 596-99.

- Pipkorn, U.D. and Enerleack, L.M. (1987):

Effect of short-term systemic glucocorticoid treatment of
human nasal mediator release after antigen challenge. *J.
Clin. Invest.*, 80: 957-61.

- Podolsky, R.J. (1984):

Regulation by calcium of contraction and relaxation of
muscle fibers. *Fed. Proc.*, 23: 933-37.

- Postma, D.S., Kayzer, J.J. and Koeter, G.H. (1985):

Influence of the parasympathetic and sympathetic nervous
system on nocturnal asthma. *Clin. Sci.*, 69: 281-88.

- Pugh, G.M. (1993):

Intravenous magnesium in emergency room unites. Ann. Emerg. Med., 27: 512-20.

- Quamme, G.A. and Dirks, J.H. (1987):

Disorders of fluids and electrolyte metabolism. Nephron, 47: 199-212.

- Rasmussen, H.S., Aurup, P.M. and Nair, P.A. (1989):

Clinical intervention studies on magnesium in emergency care units. Magnesium, 8: 318-25.

- Reed, C.A. and Townky, R.G. (1978):

Asthma: Classification and pathogenesis. Allergy Principles Mosby, 63: 659-63.

- Rees, J.M. (1984):

ABC of asthma. Definition and diagnosis. Br. Med. J. 288: 1370-72.

- Reinhart, M.A. and Marx, A.N. (1991):

The role of magnesium in arrhythmias. Progr. Cardiovasc. Dis., 32: 433-48.

- Richard, A.J. and Muther, Z.J. (1990):

Fraction excretion of electrolytes. 3rd ed. Nephrology, 3: 58-60.

- Richard, S.R. and Reinhart, M.A. (1988):

Magnesium metabolism. Arch Int. Med., 148: 2415-20.

- Richardson, J.B. (1979):

Nerve supply to the lungs. Am. Rev. Respir. Dis., 119: 758-803.

- Robert, K.M., Rude, A.D. and Sausan, B.N. (1989):

Magnesium metabolism. Ann. Rev. Med., 32: 245-51.

- Robert, J.N., Scott, R.A. and Dirks, J.B. (1987):

Hypermagnesemia and renal diseases. Nephron, 47: 199- 205.

- Robinson, C.H. (1972):

Normal and therapeutic nutrition. London, Collier, Mc Millan, P. 619-58.

- Rolla, G.R., Bucca, C.B. and Caria, E.M. (1988):

Acute effect of intravenous magnesium sulfate on airway obstruction of asthmatic patients. Ann. Allergy, 61: 388-91.

- Rolla, G.R., Bucca, C.B. and Arossa, A.W. (1987):

Magnesium and its biological significance. Magnesium, 6: 201-4.

- Rose, B.A., Hogg, J.C. and Machlen, P.B. (1978):
Pathogenesis of bronchial asthma. Immunol. Dis. Little
Brown Company, 74: 822-58.
- Roth, P.J. and Werner, E.M. (1979):
Intestinal absorption of magnesium in man. Int. J. Applied.
Radiol., 30: 523-26.
- Rude, A.M. and Monoogian, C.A. (1989):
Magnesium metabolism and role of magnesium in potassium
deficiency. Am. J. Cardiol., 163: 31 G - 34 G.
- Rude, A.M., Werner, A.R. and Arossa, A.W. (1988):
Magnesium and plasma proteins in health and disease.
Magnesium, 7: 255-67.
- Rude, A.M. and Singer, F.R. (1981):
Magnesium deficiency and excess. Ann. Rev. Med., 32:
245-53.
- Salem, N.A., Sally, F.D. and Rude, A.M. (1990):
Hypomagnesemia in emergency room patients. Chest, 98:
10-35.

- Scadding, J.G. (1976):

Definition and clinical categorization. bronchial asthma, mechanisms and therapeutics. Little Brown-Company, 19: 30-33.

- Schwartz, J.A., Gold, M.D. and Deckert, D.B. (1990):

Predictors of asthma and persistent wheezes in a national sample of children in United States. Am. Rev. Respir. Dis., 142: 555-62.

- Sethi, J.M. (1987):

Outcome of acute lower respiratory tract infection in infants: Preliminary report of seven year follow up study. Br. Med. J., 285: 332-37.

- Shane, S.B. (1981):

Biochemistry of magnesium, New aspects. Physical Review., 45: 566-71.

- Shohat, M.A., Shohat, T.A., and Kedem, R.B. (1987):

Childhood asthma growth outcome. Arch. Dis. child., 62: 63-86.

- Skordis, M.S., Feedback, P.C. and Nelson, J.E. (1994):

Magnesium sulfate in intensive care units, Chest, 98: 10-35.

References

- Speich, M.A., Bousquet, B.M. and Nieldas, G.A. (1981):
Reference values of magnesium in men and women. Clin.
Chem., 27(2): 246-48.
- Statopalsky, E.D. and klahr, S.M. (1988):
Disorders of magnesium metabolism. Diseases of the kidney.
4th ed Boston. Little Brown, 27: 314.
- Sultz, H.A., Feldman, J.N. and Schlesinger, E.M. (1970):
An effect of continued exposure to air pollution on the
incidence of chronic childhood allergic diseases. Am. J.
Public. Health, 60: 891-95.
- Turlopathy, P.D., Weiner, R.A. and Altura, B.M. (1981):
Magnesium effect on tone and contractility of vascular
smooth muscle. Eur. J. Pharmacol., 74: 263-72.
- Twentyman, G.P., Finnerty, J.P. and Harris, A.M. (1991):
Protection against allergen-induced asthma by salmetrol.
Lancet, 336: 1338-42.
- Vanrolen, W.A., Albert, A.M. and Watkins, M.D. (1985):
Serum and erythrocyte magnesium level in type I and type II
diabetes. Acta. Diabet., 90: 185-87.

- Wacker, A.E. (1980):

Biochemistry and physiology of magnesium. "Magnesium and Man. Cambridge, Massachusetts, Harvard University, Press, P. 11, 22,27,53.

- Wacker,W.L., Vichow,J.C. and Bruijnzell, P.L. (1991):

T cell subsets and their soluble products regulate eosinophilia in allergic and non allergic asthma. J. Immunol., 146: 1829-35.

- Wardlaw, A.J., Dunnette, S.A. and Gleich, G.J. (1988):

Eosinophils and mast cells in bronchoalveolar lavage in subjects with mild asthma. Relationship to bronchial hyperreactivity. Am. Rev. Respir. Dis., 137: 62-69.

- Whyte, K.F., Addis, G.F. and Whitesmith, R.M. (1987):

Adrenergic control of plasma magnesium in man. Clin. Sci., 72: 135-38.

- Zaloga, G.P., and Chernow, B.C. (1988):

The pharmacological approach to the critically ill patients. Magnesium. Babbitmor and William, P. 603-36.