

References

Abdel-Rahman HA, Khashaba AA, Shoulah AS et al. Assessment of growth and development in a sample of chronic asthmatic children. Benha MJ.1993; vol (10) No: 1. 234-235.

ACCESS – MATH. Notes on Body Mass Index and actual national data, Power law fit to USA weight and height data July 2003. available at www.math.utah.edu/~korevaar/ACCESS2003/bmi.pdf.

Agertoft L, Pedersen S. A randomized, double-blind dose reduction study to compare the minimal effective dose of budesonide Turbuhaler and fluticasone propionate Diskhaler. *J Allergy Clin Immunol* 1997; 99: 773–780.

Agertoft L and Pedersen S. Effects of long-term treatment with inhaled budesonide on adult height in children with asthma. *N Engl J Med* 2000; 343:1064-1069.

Akbari O, Faul JL, Hoyte EG, Berry GJ, Wahlstrom J, Kronenberg M, DeKruyff RH, and Umetsu DT. CD4+ invariant T-cell-receptor+ natural killer T cells in bronchial asthma. *N Engl J Med* 2006 March. 354 (11): 1117-29.

Allen DB. Influence of inhaled corticosteroids on growth: a pediatric endocrinologist's perspective. *Acta Paediatr* 1998; 87: 123–129.

References

Alshishtawy MM, Abdella Am, Gelber LE et al. Asthma in Tanta, Egypt: serologic analysis of total and specific IgE antibody levels and their relationship to parasite infection. *Int Arch Allergy Appl immunol.* 1991; 96 (4): 348-54.

Andrew H.liu,JosephD,Spahn,and Donald Y,M. Leung. Allergic disease. *Nelson textbook of pediatric.*21th ed 2004; chapter 134: 767-768.

Anderson SD. Exercise-induced asthma in children: a marker of airway inflammation. *MJA* 2002; 177 (6): S61-S63.

Andrew MW, Aubrey B and Roland TJ. Asthma and Cushing's syndrome. *Chest*, 2000; 117: 593-594.

Appleton SL, Adams RJ, Wilson DH et al. North west Adelaide Health study team. Central obesity is associated with nonatopic but not atopic asthma in a representative population sample. *J Allergy clin immunol* 2006; 118: 1284-1291.

Asher MI, Keil U, Anderson HR, et al. International study of asthma and allergies in childhood (ISAAC): rationale and methods. *Eur Respir J* 1995; 8: 483-91.

Babak Amra, Alireza Rahmani, Sohrab Salimi, Zahra Mohammad zadeh, and Mohammad Golshan. Association between Asthma and Body

References

Mass Index in Children. Iranian Journal of allergy, asthma and immunology. March 2005; Vol. 4, No. 1: 33.

Balfour-Lynn L. Growth and childhood asthma. Arch Dis Child 1986; 61: 1049-55.

Barros R, Moreira A, Fonseca J et al. Obesity and airway inflammation in asthma. J Allergy clin immunol 2006; 117: 1501-1502.

Barry Kay A. Natural Killer T Cells and Asthma. N Engl J Med March 2006; 354 (11): 1186-1188.

Beasley R, Burgess C, Crane J et al. A review of the studies of the asthma mortality epidemic in New Zealand. Allergy proc 1995; 16:27-32.

Beasley R. The Global Burden of Asthma Report, Global Initiative for Asthma (GINA) 2004. Available from: URL: <http://www.ginasthma.org>.

Beckett WS, Jacobs Jr DR, Yu X, Iribarren C, Williams OD. Asthma is associated with weight gain in female subjects but not male subjects, independent of physical activity. Am J RespCrit Care Med 2001; 164: 2045–2050.

Beuther DA, Martin RJ. Efficacy of a heat exchanger mask in cold exercise-induced asthma. Chest 2006; 129 (5): 1188-93.

References

Beuther DA, Sutherland ER. Overweight, obesity and incident asthma: a meta-analysis of prospective epidemiologic studies. *Am J Respir Crit Care Med* 2007; 175: 661- 666.

Bisgaard Hans, Stefen Zielen, María Luz Garcia-Garcia, Sebastian L. Johnston, Leen Gilles, Joris Menten, Carol A. Tozzi and Peter Polos . Montelukast Reduces Asthma Exacerbations in 2- to 5-Year-Old Children with Intermittent Asthma. *American Journal of Respiratory and Critical Care Medicine*. 2005; 171: 315-322.

Boulet P. Asymptomatic airway hyperresponsiveness: a curiosity or an opportunity to prevent asthma? *Am J Respir Crit Care Med*. 2003; 167(3):371-378.

Brattsand R. What factors determine anti-inflammatory activity and selectivity of inhaled steroids? *Eur Respir Rev* 1997; 7: 356–361.

Brita Stenius-Aarniala,Tuija Poussa, Johanna Kvarnström, a Eeva-Liisa Grönlund, c Mikko Ylikahri, a Pertti Mustajoki. Immediate and long term effects of weight reduction in obese people with asthma: randomised controlled study. *BMJ* 2000;320:827-832)

British Guidelines on the management of asthma, May 2008. Available at: www.sign.ac.uk/guidelines/puplished/numlist.html

Brutsche MH, Brutsche IC, Munavvar M, et al. Comparison of pharmacokinetics and systemic effects of inhaled fluticasone propionate in

References

patients with asthma and healthy volunteers: a randomised crossover study. *Lancet* 2000; 356: 556–561.

Buchvald F, Baraldi E, Carraro S et al. Measurements of exhaled nitric oxide in healthy subjects aged from 4 to 17 years. *J Allergy clin immunol* 2005; 115: 1130.

Busse W and Gern E. Relationship of viral infections to wheezing illnesses and asthma. *Nature Reviews Immunology* 2002 Feb. 2: 132-138.

Busse W and Lemanske RF . Asthma. *N Engl J Med* Feb 2001; 344 (5): 350-62.

Busse W, Corren J, Lanier BQ, McAlary M, Fowler A. Omalizumab, anti-IgE recombinant humanized monoclonal antibody, for the treatment of severe allergic asthma. *J allergy clin immunol* august 2001; 108 (2): 184-190.

Busse WW, Parry DE. The biology of asthma. *J Allergy Clin Immunol* 2004; 45: 721- 33.

Carroll CL, Bhandari A, Zucker AR, Schramm CM. Childhood obesity increases duration of therapy during severe asthma exacerbations. *Pediatr crit care Med* 2006; 7: 527-531

References

Castro- Rodriguez JA, Holberg CJ, Morgan WJ, Wright AL, Martinez FD. increased incidence of asthma like symptoms in girls who become overweight or obese during the school years. AmJ Respir Crit care Med 2001; 163: 1344-1349.

Castro- Rodriguez JA. Relationship between obesity and asthma. Arch bronconenmol 2007; 43: 171-175.

Centers for Disease Control and Prevention. About BMI for Children and Teens. Available at: http://www.cdc.gov/healthyweight/assessing/bmi/childrens_BMI/about_childrens_BMI.html .Last updated Jan 2009

Center for disease control and prevention (CDC). Asthma mortality and hospitalization among children and young adults- United States, 1980-1993. MMWR 1996; 45:350-3.

Cheng J, Pantao, Ye GH, Liu Q. Calorie controlled diet for chronic asthma. Cochran Database of systematic Reviews 2003; Issue 2.Art. No: CD004674.

Chen Y, Dales R, Jiangy. The association between obesity and asthma is stronger in non allergic than allergic adults. Chest 2006; 130: 890-895.

Chen Y, Dales R, Tang M Et al. Obesity may increase the incidence of asthma in women but not in me: longitudinal observations from the Canadian National population health surveys. Amj Epidemiol 2002; 155: 191-7.

References

Chinn S. Concurrent trends in asthma and obesity. *Thorax* 2005; 60(1): 7–12.

Chinn S. Obesity and asthma. *Paediatr Respir Rev.* 2006; 7(3): 223-8.

Chinn S, Rona RJ. Can the increase in body mass index explain the rising trend in asthma in children? *Thorax* 2001; 56: 845-850.

Chinn S, Rona RJ. Obesity and asthma in children. *Am J RespCrit Care Med* 2004; 170: 95.

Clement K, Vaisse C, Manning BS, Basdevant A, Guy-Grand B, Ruiz J, Silver KD, Shuldiner AR, Froguel P, Strosberg AD. Genetic variation in the beta 3- adrenergic receptor and an increased capacity to gain weight in patients with morbid obesity. *N Engl J Med* 1995; 333: 352-354.

Clifford RD, Pugsley A, Radford M et al. symptoms, atopy and bronchial response to methacholine in parents with asthma and their children. *Arch Dis child* 1987; 62: 66 -73.

Cockcroft W. Bronchoprovocation methods: direct challenges. *Clin Rev Allergy Immunol.* 2003; 24(1): 19-26.

Cockcroft W, Murdock Y, Berscheid A, et al. Sensitivity and specificity of histamine PC20 determination in a random selection of young college students. *J Allergy Clin Immunol.*1992; 89: 23-30.

Cookson Woc. Genetics and genomics of asthma and allergic diseases. *Immunol Rev* 2002; 190: 195-206.

References

Cornier C, Souberbielle JC and Kahan A. DHEA in bone and joint disease. *Joint Bone Spine* 2001; 68: 588-94.

Corrao WM, Braman SS, Irwin RS. Chronic cough as the sole presenting manifestation of bronchial asthma. *N Engl J Med* 1979; 300: 633-637.

Covar AR, Leung DY, Mc Cormick D et al. Risk factors associated with glucocorticoids induced adverse effects in children with severe asthma. *J Allergy clin immunol* 2000; 106: 651-659.

Deane S and Thomson A. Obesity and the pulmono-logist. *Arch Dis Child* 2006; 91:188-191.

Dictionary of Food and Nutrition 2005, originally published by Oxford University Press 2005.

Dizier MH, Besse-Schmittler C and Bataille. Genome screen for asthma and related phenotype in the French Egea study. *Am J Resp crit care Med* 1999; 159: A 649.

Djukanovic R. Airway inflammation in asthma and its consequences. *Am Rev Respir Dis* 2002; 35: 115-117.

Donnelly R, Williams KM, Baker AB, Badcock C-A, Day RO, Seale JP. Effects of budesonide and fluticasone on 24-hour plasma cortisol. *Am J Respir Crit Care Med* 1997; 156: 1746–1751.

References

Doull IJ, Freezer NJ and Holgates ST. Growth of asthmatic children on inhaled steroids. *Am Respir Dis* 1993; 147: p-265.

Doull IJ. The effect of asthma and its treatment on growth. *Arch Dis Child* 2004; 89 (1): 60–63.

Eder W, Ege MJ, and von Mutius E. The asthma epidemic. *N Engl J Med* Nov 2006; 355 (21): 2226-2235.

Eggleston PA. Asthma in Jhonson KB. *Am J Respir Crit Care Med* 1997, 173(11); 546-53

Eid N, Yandell B, Howell L, et al. Can peak expiratory flow predict airflow obstruction in children with asthma? *Pediatrics*. 2000; 105(2): 354-358.

Eknoyan, Garabed. "Adolphe Quetelet (1796-1874) the average man and indices of obesity". *Nephrol. Dial. Transplant*. Jan 2008; **23** (1): 47–51.

El Hefney A, Ekladios E and Nasser F. Bronchial asthma in Egyptian children and Epidemiology: Environmental, clinical and immunological study. Final progress reports. FRCL, Grant 82044, supreme council university, 1991.

Elizabeth Reid. Obesity. 2007. Available at www.minddisorders.com/Ob-Ps/Obesity.html

References

Encyclopedia . OBESITY . 2007. Available at : www.faqs.org/health/Sick-V3/Obesity.htm

Encyclopedia. Obesity – Definition. **2009.** available at:
<http://social.jrank.org/pages/445/Obesity>.

Fahim H.I., Georgy V., El-Gaafary M. & Walters S.: Prevalence and socioeconomic associations of asthma and allergic rhinitis in northern Africa. *Eur Respir J*, 2006; 28(6): 1292.

Fahy JV; Vorry DB; Bouskey HA. Airway inflammation and remodeling in asthma; *Am J Respir Crit Care Med* 2004; 169 (10): 15-20.

Fang, Cailong, Corrigan, Chris J and Ying Sun. The Treatment Targets of Asthma: From Laboratory to Clinic.
Inflammation & Allergy- Targets June 2008; 7 (2): 119- 128.

Firrincieli V, Keller A, Ehrensberger R, et al. Decreased physical activity among head start children with a history of wheezing: use of an accelerometer to measure activity. *Pediatr Pulmonol.* 2005; 40:57 –63

Flaherman V, Rutherford GW. A meta- analysis of the effect of high weight on asthma- *Arch Dis child* 2006; 91: 334- 339.

Flegal KM, Harlan WR, Landis JR. Secular trends in the United States, 1960-80 (letter). *Am J Epidemiol* 1990; 132:196-7.

References

Ford ES. The epidemiology of obesity and asthma. *J Allergy Clin Immunol.* 2005; 115(5): 897-909; quiz 910.

Gadzik J. "How Much Should I Weigh?" - Quetelet's Equation, Upper Weight Limits and BMI Prime. *Connecticut Medicine* Feb 2006; 70: 81 - 88.

Galli SJ, Kalesnikoff J, Grimbaldston MA, Piliponsky AM, Williams CM, and Tsai M. Mast cells as "tunable" effector and immuno-regulatory cells: recent advances. *Annu Rev Immunol* 2005; 23: 749-86.

Garacia- Marcos L, Canflanca IM, Garrido JB et al. Relationship of asthma and rhinoconjunctivitis with obesity, exercise & Mediterranean diet in Spanish school children. *Thorax* 2007; 62: 503-508.

Garn SM, Leonard WR, Hawthorne VM. Three limitation of the body mass index. *Am J Clin Nutr* 1986; 44: 996-7.

Gelfand EW and Dakhama A. CD8+ T lymphocytes and leukotriene B4: novel interactions in the persistence and progression of asthma. *J Allergy Clin Immunol* 2006; 117 (3): 577-82.

Gibson PG, Fujimura M and Niimi A. Eosinophilic bronchitis: clinical manifestations and implications for treatment. *Thorax* 2002; 57: 178-182.

Gibson PG, Simpson JL, Saltos N. Heterogeneity of airway inflammation in persistent asthma: evidence of neutrophilic inflammation and increased sputum interleukin-8. *Chest* 2001; 119:1329-1336.

References

Global Initiative for Asthma (GINA) 2008: Available from:
URL:<http://www.ginasthma.org>.

Global Initiative for Asthma (GINA) 2009: Available from:
URL:<http://www.ginasthma.org>.

Gold DR, Damokosh AI, Dockery DW, Berkey CS. Body-mass index as a predictor of incident asthma in a prospective cohort of children. *Pediatric Pulmonology* 2003; 36: 514–521.

Gortmaker SL, Dietz WH Jr. Secular trends in body mass index in the United States, 1960-1980 (letter). *Am J Epidemiol* 1990; 132:194-5.

Grahnén A, Eckernäs S-Å, Brundin RM, Ling-Andersson A. An assessment of the systemic activity of single doses of inhaled fluticasone propionate in healthy volunteers. *Br J Clin Pharmacol* 1994; 38: 521–525.

Guilbert TW, Morgan WJ, Zeiger RS, et al. Long-term inhaled corticosteroids in preschool children at high risk for asthma. *N Engl J Med* 2006; 354:1985–97.

Gunnbjornsdottir MI, Omenaas E, Gíslason T, Norrman E, Olin AC, Jogi R, et al. Obesity and nocturnal gastro-esophageal reflux are related to onset of asthma and respiratory symptoms. *Eur Respir J* 2004; 24(1):116-21.

References

Hafez SS. Effects of asthma on growth hormone and growth parameters in pediatric asthmatic patients. Egypt. J. Of lab. Med. 1995; vol (7) No. (1&2) Feb. & June.

Hallstrand TS, Fischer ME, Wurfel MM, Afari N, Buchwald D, Goldberg J. Genetic pleiotropy between asthma and obesity in a community- based sample of twins. J Allergy clin Immunol 2005; 116: 1235-1241.

Halogate ST. Genetic and environmental interaction in allergy and asthma. J Allergy clin immunol 1999; 104: 1139-46.

Hamano N, Terada N, Maesako K, Numata T, Konno A. Effect of sex hormones on eosinophilic inflammation in nasal mucosa. Allergy Asthma proc 1998; 19: 263-269.

Hamano N, Terada N, Maesako K, Hohki G, Ito T, Yamashita T, Konno A. Effect of female hormones on the production of IL-4 and IL-13 from peripheral blood non nuclear cells. Acta otolaryngol suppl 1998; 537: 27-31.

Hamid Q; Tulicmk. Inflammatory cells in asthma mechanisms and implications for therapy. J Allergy Clin Immunol 2003; 111(6): 1307-1318

Health Promotion Board, Singapore government. Revision of Body Mass Index (BMI) Cut-Offs In Singapore 2005. available at: www.hpb.gov.sg/hpb/default.asp?

References

Henkin, Stanislav; Brugge, Doug; Bermudez, Odilla I.; Gao, Xiang. A case-control study of body mass index and asthma in Asian children. Annals of allergy, asthma and immunology May 2008; Volume 100, Number 5: 447-451.

Hoeppner H, Murdock Y, Kooner S, et al. Severe acute "occupational asthma" caused by accidental allergen exposure in an allergen challenge laboratory. Ann Allergy.1985; 55: 36-37.

Holgate S, Casale T, Wenzel S, Bousquet J, Deniz Y, and Reisner C. The anti-inflammatory effects of omalizumab confirm the central role of IgE in allergic inflammation. J Allergy Clin Immunol 2005; 115 (3): 459-65.

Holgate ST and Polosa R. The mechanisms, diagnosis, and management of severe asthma in adults Lancet 2006. 368: 9537 780-93.

Horvath I, Barnes J. Exhaled monoxides in asymptomatic atopic subjects. Clin Exp Allergy. 1999; 29(9): 1276-1280

Horwood J, Fergusson M, Shannon T. Social and familial factors in the development of early childhood asthma. Pediatrics.1985; 75 (5): 859-868.

Huang SL, Shiao G and Chou P. Association between body mass index and allergy in teenage girls in Taiwan. Clin Exp Allergy 1999; 29(3): 323-9.

Humbert, M, Beasley, R, Ayres J, Slavin R, Hebert J, Bousquet J, Beeh, KM, Ramos S, Canonica GW, Hedgecock, S, Fox H, Blogg M, Surrey K. Benefits of omalizumab as add-on therapy in patients with severe persistent asthma who are inadequately controlled despite best

References

available therapy. *European Journal of Allergy & Clinical Immunology*. March 2005; 60(3): 309-316.

Huss K, Adkinson NF, Eggleston PA, Dawson C, Van Natta ML, and Hamilton RG. House dust mite and cockroach exposure are strong risk factors for positive allergy skin test responses in the Childhood Asthma Management Program. *J Allergy Clin Immunol* 2001 Jan. 107 (1): 48-54.

International Society for the Advancement of Kinanthropometry (ISAK). ACSM's Guidelines for Exercise Testing and Prescription, Seventh Edition. International Standards for Anthropometric Assessment. November 13, 2008.

International Society for the Advancement of Kinanthropometry (ISAK). International Standards for Anthropometric Assessment . 2001.

Ishiyama- Shigemotos, Yamada K, Yuan X, Ichikawa F, Nonakak. Association of polymorphisms in the beta 2- adrenergic receptor gene with obesity, hypertriglyceridaemia and diabetes mellitus. *Diabetologia* 1999; 42: 98-101.

Israel E, Chinchilli VM, Ford JM, Boushey HA, Cherniack R, Craig TJ, Deykin A, Fagan JK, Fahy JV, Fish J et al. Use of regularly scheduled albuterol treatment in asthma: genotype- stratified, randomised, placebo-controlled cross-over trial. *Lancet* 2004; 364: 1505- 1512.

Jang AS, Lee JH, Park SW et al. Severe airway hyper-responsiveness in school aged boys with a high body mass index. *Korean J intern Med* 2006; 21: 10-14.

References

Jeukendrup A and Gleeson M. Human Kinetics. *Sports Nutrition* 2005.

Johnson JB, Summer W, Cutler RG et al. Alternate day calorie restriction improves clinical findings and reduces markers of oxidative moderate asthma. *Free Radic Biol Med* 2007; 42: 665-674.

Jonas: Mosby's Dictionary of Complementary and Alternative Medicine. (c) 2005, Elsevier.

Joyner BL, Fiorino EK, Matta-Arroyo E, Needleman JP. Cardiopulmonary exercise testing in children and adolescents with asthma who report symptoms of exercise –induced bronchoconstriction. *J Asthma* 2006; 43: 675-678.

Kemp JP. Recent advances in the management of asthma using leukotriene modifiers. *Amj Respir Med.*2003; 2 (2): 139-56.

Kerrebijn KF and De Kroon JPM. Effect on height of corticosteroid therapy in asthmatic children. *Arch Dis Child* 1968; 43: 556–61.

Kitsantas A, Zimmerman BJ. Self-efficacy, activity participation, and physical fitness of asthmatic and non-asthmatic adolescent girls. *J Asthma.* 2000; 37:163 –174.

Kuipers H and Lambrecht BN. The interplay of dendritic cells, Th2 cells and regulatory T cells in asthma. *Curr Opin Immunol* 2004; 16 (6): 702-8.

References

Kwong KY, Rhandhawa I, Saxena J et al. Ability to control persistent asthma in obese versus nonobese children enrolled in an asthma-specific disease management program (breath mobile). *J Asthma* 2006; 43: 661-666.

Lavoie KL, Bacon SL, Labrecque M et al. Higher BMI is associated with worse asthma control and quality of life but not asthma severity. *Respir Med* 2006; 100: 648-657.

Leung TF, LI CY, Lam CW et al. The relation between obesity and asthmatic airway inflammation. *Pediatr Allergy Immunol* 2004; 15: 344-350.

Levy Mark L, Monica Fletcher , David B. Price , Thomas Hausen , Barbara P.Yawn, Ron J. Halbert. International Primary Care Respiratory Group (IPCRG) Guidelines: Diagnosis of respiratory diseases in primary care. *Primary Care Respiratory Journal* 2006; 15: 2034.

Illi S, von Mutius E, Lau S, Niggemann B, Gruber C, Wahn U: Perennial allergen sensitization early in life and chronic asthma in children: a birth cohort study. *Lancet* 2006. 368: 763-770.

Iolo J M Doull,a Michael J Campbell,b Stephen T Holgatec. Duration of growth suppressive effects of regular inhaled corticosteroids. *Arch Dis Child* 1998;78: 172-173

Mamun A A, D A Lawlor, R Alati, M J O'Callaghan, G M Williams and J M Najman. Increasing body mass index from age 5 to 14 years predicts

References

asthma among adolescents: evidence from a birth cohort study.

International Journal of Obesity (2007) 31, 578–583.

Mannino DM, Mott J, Ferdinands JM et al. Boys with high body masses have an increased risk of developing asthma: findings of the National Longitudinal Survey of Youth (NLSY). *Int J obes (Lond)* 2006; 30: 6-13.

Mannino DM, Homa DM and pertowski CA. Surveillance for asthma-United States, 1960-1995. *MMWR CDC surveill summ* 1998; 47: 1-27.

Mansour ME, Lanphear BP, DeWitt TG. Barriers to asthma care in urban children: parent perspectives. *Pediatrics*. 2000; 106: 512 –519.

Masoli M, Fabian D, Holt S, et al. The global burden of asthma: executive summary of the GINA Dissemination Committee report. *Allergy*.2004; 59(5):469-478.

Matricard PM, Gru ber C, Wahn U and Lau S. The asthma- obesity link in childhood: open questions, complex evidence and a few answers only – *Clin Exp Allergy* 2007; 37: 476- 484.

McDonald N, Bara A, McKean MC. Anticholinergic therapy for chronic asthma in children over two years of age. *Cochrane Database of Systematic Reviews* 2003.

Mc Lachlan CR, Poulton R, Car G et al. Adiposity, Asthma and airway inflammation. *J Allergy clin immunol* 2007; 119: 634-639.

References

Menezes AM, Hallal PC, Muino A et al. Risk factors for wheezing in early adolescence: a prospective birth cohort study in Brazil. *Ann Allergy Asthma Immunol* 2007; 98: 427-431.

Mensink M, Feskens EJ, Kruijshoop et al. Subscapular skinfold thickness distinguishes between transient and persistent impaired glucose tolerance. *Diabet Med.* 2003 Jul; 20(7): 552-7.

Michael D. Myers. Definition of obesity. May 2004. Available at: www.weight.com/definition.asp.

Miles Weinberger. Pediatric Asthma, Allergies and Diseases. *Pediatr Health.* 2008; 2(5): 631-650. Available at www.medscape.com

Miller J, Rosenbloom A, Sliverstein J. Childhood obesity. *J Clin Endocrinol Metab.* 2004; 89: 4211-18.

Milwaukee WI. The allergy report overview of allergic diseases, diagnosis, management and barriers to care. *American Academy of allergy, asthma and immunology* 2000; 1: 10.

Moffatt MF, James A, Ryan G Musk AW, Cookson WO. Extended tumour necrosis factor/ HLA-DR haplotypes and asthma in an Australian population sample. *Thorax* 1999; 54: 757-761.

References

Monteiro-Antonio MA, Ribeiro JO, Toro AA ET al. Linear growth evaluation of asthmatic children. Rev assoc Med Bnras.2002 Apr-Jun; 48 (2): 145-50.

Moudiou T, Theophilatou D, Priftis K ET al. Growth of asthmatic children before long term treatment with inhaled corticosteroids. J Asthma; Sep 2003; vol.40 issue 6: p 667-71.

Naspitz CK, Szeflers J, Tinkelman DG et al. Textbook of pediatric Asthma An international perspective. 1st published in United Kingdom. Martin Dunitz Lta 2001.

National Cholesterol Education Program Expert Panel. Report of the National Cholesterol Education Program Expert Panel on Detection, Evaluation, and Treatment of High Blood Cholesterol in Adults. The Expert Panel. Arch Intern Med. 1988; 148: 36-69.

National institute of health, National Heart, Lung and Blood institute. Asthma : who is at risk? sep 2008.

National institute of health, National Heart, Lung and Blood institute. Data fact sheet: Asthma statistics. Available at: <http://www.nhbi.nih.gov/health/prof/Lung/asthma/asthstat.pdf>.2002

References

National institute of health (NIH), National Heart, Lung, and Blood institute (NHLBI). Global initiative for asthma. Washington, Dc: US Government printing office, 1995

National Institutes of Health (NIH), National Heart Lung and Blood institute (NHLBI). Obesity education initiative. Aim for a Healthy Weight 2007: Assess your Risk available at www.nhlbi.nih.gov/health/public/heart/obesity/lose.

National Heart, Lung, and Blood Institute (NHLBI), National Asthma Education and Prevention Program (NAEPP), Expert Panel Report 3 (EPR-3). Guidelines for the Diagnosis and Management of Asthma.2007.Available at <http://www.nhlbi.nih.gov/guidelines/asthma/asthgdln.pdf>

National institutes of Health. Osteoporosis and related Bone diseases. National Resource center: Asthma and bone health; **2004.** available at <http://www.osteoporosis.org/newfile.asp>

National Institute of Health.Weight and waist measurements: Tools for adults. November **2008.**

Nelson textbook. Severity, classification and management of bronchial asthma. 2004.

Nooyens AC, Koppes LL, Visscher TL, Twisk JW, Kemper HC, Schuit AJ, van Mechelen W, Seidell JC. Adolescent skinfold thickness is a better

References

predictor of high body fatness in adults than is body mass index. Am J Clin Nutr. 2007 Jun; 85(6):1533-9.

Norjavaara E, Gerhardsson D, Verdier M, et al. Reduced height in Swedish men with asthma at the age of conscription for military service. J Pediatr 2000; 137: 25-9.

Norman RA, Bogardus C, Ravussin E. Linkage between obesity and a marker near the tumour necrosis factor-alpha locus in pima Indians. J clin invest 1995; 96: 158-162.

Ober C. Perspectives on the past decade of asthma genetics. J Allergy Clin Immunol 2005 Aug. 116 (2): 274-8.

Obesity definition and how to treat it naturally. 2008. Available at:
www.onlineweblibrary.com/blog/?p=320

Ole D. Wolthers. Growth Problems in Children with Asthma. Hormone Research 2002; 57 (2): 83-87.

Paik YH, Cho YJ, You TH, Bae CW, Ahn CI. The seasonal variation of house dust mite allergen and the incidence of bronchial asthma among child; J Allergy Clin Immunol 2002; 111: 1307–1318.

Paul J Sharek, David Bergman, Francine Ducharme. Beclomethasone for asthma in children: effects on linear growth. Cochrane Database of Systematic, October 2008 in Issue 4, 2008

References

Pedersen S, Hansen OR. Budesonide treatment of moderate and severe asthma in children: a dose-response study. *J Allergy Clin Immunol* 1995; 95: 29– 33.

Pedersen S, O'Byrne PM. A comparison of the efficacy and safety of inhaled corticosteroids in asthma. *Allergy* 1997; 52: Suppl. 391–34.

Pellegrino R, Viegi G, Brusasco V, et al. Interpretative strategies for lung function tests. *Eur Respir J.* 2005; 26 (5): 948-968.

Peters-Golden M. The alveolar macrophage: the forgotten cell in asthma. *Am J Respir Cell Mol Biol* 2004; 31 (1): 3-7.

Peterson-Sweeney K, Mc Mullen A, Yoos HL et al. Parental perceptions of their child's asthma: management and medications use. *J pediatr health care* 2003; 17: 118-25.

Phelan PD, Olinsky A, Robertson CF. Asthma pathogenesis, pathophysiology and epidemiology. In *Respiratory illness in children*.4th ed. Blackwell scientific publications.1994; 6:113-137.

Phyllis W, Speiser Mary CJ, Rudolf, Henry Anhalt et al. On behalf of the Obesity Consensus Working Group. Consensus statement: Childhood Obesity. *J Clin Endocrinol Metab.* 2004; 90(3):1871-1887.

Pianosi PT, Davis GS. Determinates of physical fitness in children with asthma. *Pediatrics* 2004; 113: e 225-e 229.

References

Pizzichini MM, Pizzichini E, Clelland L, Efthimiadis A, Pavord I, Dolovich J, and Hargreave FE. Prednisone-dependent asthma: inflammatory indices in induced sputum. *Eur Resp J*. January 2005; 25(1): 41 – 46.

Pizzichini M, Popov A, Efthimiadis A, et al. Spontaneous and induced sputum to measure indices of airway inflammation in asthma. *Am J Respir Crit Care Med*. 1996; 154(41): 866-869.

Platts-Mills TA, Lucas SR. Paediatric asthma and obesity. *Paediatr Respir Rev* 2006; 7: 233-238.

Postma DS, Kerstjens HA. Characteristics of airway hyperresponsiveness in asthma and chronic obstructive pulmonary disease. *Am J Respir Crit Care Med* 1998; 158: S187–S192.

Pozo J and Argente J. Delayed puberty in chronic illness. *Best pract Respir Clin Endocrinol Metab*, 2002; 16 (1): 73.

Ramsdale H, Morris M, Roberts S, et al. Asymptomatic bronchial hyperresponsiveness in rhinitis. *J Allergy Clin Immunol*.1985; 75(5): 573-577.

Randolph C. Exercise-induced asthma: update on pathophysiology, clinical diagnosis, and treatment. *Curr Probl Pediatr* 1997; 27: 53-77.

References

Rao RK and Warner JO. Airway inflammation: ed. clinical paediatrics-Asthma. London: Bailliere Tindall 1995; 277-96

Rashad M.M, Mohammady E.A and Sadek M.I. Helicobacter pylori Infection and Childhood Bronchial Asthma. Thesis for master degree. Benha University 2009.

Reddel K, Salome M, Peat K, et al. Which index of peak expiratory flow is most useful in the management of stable asthma? Am J Respir Crit Care Med. 1995; 151(5): 1320-1325.

Reichenberg K, Broberg AG. Quality of life in childhood asthma: use of the Paediatric Asthma Quality of Life Questionnaire in a Swedish sample of children 7 to 9 years old. Acta Paediatr. 2000; 89:989 –995

Roel E, Faresjo A, Zetterstrom O Et al. clinically diagnosed childhood asthma and follow up symptoms in a Swedish case control study.BMC Fam pract 6:16, 2005.

Romero-Corral A, Somers VK, Sierra-Johnson J, Thomas RJ, Collazo-Clavell ML, Korinek J, Allison TG, Batsis JA, Sert-Kuniyoshi FH & Lopez-Jimenez F. "Accuracy of body mass index in diagnosing obesity in the adult general population". International Journal of Obesity June 2008; 32 (6): 959–956.

Ronti T, Lupattelli G, Mannarino E. The endocrine function of adipose tissue: an update. Clin Endocrinol (Oxf) 2006, 64: 355-365.

References

Roorda Ruurd Jan, Gyorgyi Mezei, Hans Bisgaard and Claire Maden. Response of preschool children with asthma symptoms to fluticasone propionate. *J Allergy Clin Immunol* 2001; 108(4): 540-6.

Rosen DS. Pubertal growth and sexual maturation for adolescents with chronic illness or disability. *Pediatrician*. 1991; 18 (2): 105-20.

Ruth H. Green, Chris E Brightling, Peter Bradding. The Reclassification of Asthma Based On Subphenotypes. *Curr Opin Allergy Clin Immunol*. 2007; 7(1): 43-50.

Russell G, Ninan TK. Inhaled corticosteroid toxicity, growth and asthma. *In: David TJ, editor. Recent Advances in Paediatrics 18*. Edinburgh, Churchill Livingstone 1999; 17: 1–15.

Salem MA, El Samahy M, Monier E, Tash F, Zaki M and Farid S. Prevalence of obesity in school children and its link to type 2 diabetes mellitus. *Egyptian J of Pediatrics* 2002; 19(3):397-416.

Sarría A, Moreno LA, Garcí-Llop LA, Fleta J, Morellón MP, Bueno M. Departments of Paediatrics and Biophysics, Faculty of Medicine, University of Zaragoza, Zaragoza, Spain 2001.

Schaub B and Von Mutius E. Obesity and asthma, What are the links? *Curr opin Allergy Clin Immunol* 2005; 5(2): 185-93.

Semper AE and Hartley JA. Dendritic cells in the lung: what is their relevance to asthma? *Clin Exp Allergy* 1996; 26: 485-90.

References

Shalaby EA. Physical development in childhood asthma. Thesis submitted for the partial fulfillment of master degree in pediatrics.1981 ; Cairo university.

Shohat M, Shohat T, Kedem R, et al. Childhood asthma and growth outcome. Arch Dis Child 1987; 62: 63–5.

Shore SA and Johnston RA. Obesity and asthma. Pharmacol Ther (2006) 110: 83-102.

Shore SA, Fredberg JJ. Obesity, smooth muscle, and airway hyperresponsiveness. J Allergy Clin Immunol. 2005; 115(5):925-7.

Shore SA, Williams ES, Leech et al. Asthma and obesity: implications for treatment. Current Opinion in Pulmonary Medicine January 2007; Volume 13(1): p 56-62.

Sibbad B, Horn ME, Brain EA et al. Genetic factors in childhood asthma. Thorax 1980; 35: 571-4.

Silverstein MD, Reed CE, O'connell EJ et al. Long term survival of a cohort of community residents with asthma. N Engl J Med 1994; 331: 1537-41.

Sin Don D, Sheldon Spier, Larry W. Svenson, Don P. Schopflocher, Ambikaipakan Senthilselvan, Robert L. Cowie and S. F. Paul Man. The

References

Relationship Between Birth Weight and Childhood Asthma- A Population-Based Cohort Study. Arch Pediatr Adolesc Med. 2004; 158: 60-64.

Skoner DP. Growth effects of asthma and asthma therapy. Current opinion in pulmonary medicine 2002, 8: 45-49.

Smith D, Cowan O, Brassett P, et al. Use of exhaled nitric oxide measurements to guide treatment in chronic asthma. N Engl J Med. 2005; 352(21): 2163-2173.

Spahn H, Cover R, Stempel DA. Asthma; clinical trials and observational experience. J Allergy Clin Immunol 2002; 111: 490-502

Stenius-Aarniala B, Poussa T, Kvarnström J, Grönlund EL, Ylikahri M, Mustajoki P. Immediate and long term effects of weight reduction in obese people with asthma: randomised controlled study. BMJ. 2000; 320(7238):827-32. Erratum in: BMJ 2000 Apr 8; 320(7240): 984.

Stein R, Martinez F. Asthma phenotypes in childhood: lessons from an epidemiological approach. Pediatric respiratory reviews 2004; 5: 155–161.

Stephanie E. Spottswood , Kelley Z. Allison, Olga A. Lopatina, Narinder N. Sethi, Lakshmana D. Narla, Patricia A. Lowry and Mary D. Nettleman. The clinical significance of lung hypoexpansion in acute childhood asthma. Pediatric radiology 2004; 34 (4): 322-325.

References

Strunk RC, Szeffler SJ, Phillips BR, Zeiger RS, Chinchilli VM, Larsen G, Hodgdon K, Morgan W, Sorkness CA, and Lemanske RF. Childhood Asthma Research and Education Network of the National Heart, Lung, and Blood Institute. Relationship of exhaled nitric oxide to clinical and inflammatory markers of persistent asthma in children. *J Allergy Clin Immunol* 2003; 112 (5): 883-92.

Szeffler SJ, Phillips BR, Martinez FD, et al. Characterization of Within-Subject Responses to Fluticasone and Montelukast in Childhood Asthma *J Allergy Clin Immunol*. 2005; 115: 233–242.

Taylor, D Mannino, C Brown, D Crocker, N Twum-Baah, F Holguin. Body mass index and asthma severity in the National Asthma Survey, *Thorax* 2008; 63: 14-20.

Timothy E and Albertson S. Bronchial asthma, principles of diagnosis and treatment. Human press 2001; 03-04.

Todd DC, Armstrong S, D'silva L et al. Effect of obesity on airway inflammation: a cross sectional analysis of body mass index and sputum cell counts. *Clin Exp Allergy* 2007; 37: 1049-1054.

Todd GRG, Acerini CL, Ross- Russell R Et al. Survey of adrenal crisis associated with inhaled corticosteroids in the United Kingdom. *Arch Dis Child*, 2002; 87: 457-461.

References

Turley M, Tobias M, Paul S. Non fatal disease burden associated with excess body mass index and waist circumference in New Zealand adults. Aust N Z J public Health 2006; 30: 231-237.

Ulger Z, Demir E, Tanac R et al. The effect of childhood obesity on respiratory function tests and airway hyper-responsiveness. Turk J Pediatr 2006; 48: 43-50.

US Environmental protection Agency: Asthma and indoor Environments. About asthma. Available at: <http://www.epa.gov/iaq/asthma/about.html>. Last updated on June 2009

Van Dam RM, Willett WC, Manson JE, Hu FB. The relationship between overweight in adolescence and premature death in women. Ann Intern Med. 2006; 145: 91-7.

Van Gent R, Vander Ent CK, Rovers MM et al. Excessive body weight is associated with additional loss of quality of life in children with asthma. J Allergy Clin Immunol 2007; 119: 591-596.

Van Haren H, Lammers W, Festen J, et al. The effects of the inhaled corticosteroid budesonide on lung function and bronchial hyperresponsiveness in adult patients with cystic fibrosis. Respir Med. 1995; 89(3): 209-214.

Vargas PA, Perry TT, Robles E et al. Relationship of body mass index with asthma indicators in head start children. Ann Allergy Asthma Immunol 2007; 99: 22-28.

References

Warner Jo. Bronchial hyper responsiveness, atopy, airway inflammation and asthma. *Pediatr Allergy Immunol* 1998; 9: 56-60.

Wendy H. Oddy, Jill L. Sherriff, Nicholas H. de Klerk, Garth E. Kendall, Peter D. Sly, J. Beilin, Kevin B. Blake, Louis I. Landau, Fiona J. Stanley. The Relation of Breastfeeding and Body Mass Index to Asthma and Atopy in Children: A Prospective Cohort Study to Age 6 Years, *American Journal of Public Health* September 2004 ; Vol 94, No. 9: 1531-1537.

Wenzel SE. Asthma: defining of the persistent adult phenotypes *Lancet* 2006; 368 (9537): 804-13.

WHO expert consultation. Appropriate Body Mass Index for Asian populations and its implications for policy and intervention strategies. *The Lancet* 2004, 10; 363(9403): 157-163. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/14726171?dopt=Abstract>

Wickens K, Barry D, Friezema A, Rhodius R, Bone N, Purdie G. Obesity and asthma in 11-12 year old New Zealand children in 1989 and 2000. *Thorax* 2005; 60 (1): 7-12.

Wikipedia. Body mass index. Available at: en.wikipedia.org/wiki/Body_mass_index. Last modified on May 2009.

References

Wildhaber JH, Devadason SG, Wilson JW, et al. Lung deposition of budesonide from Turbuhaler in asthmatic children. *Eur J Pediatr* 1998;157:1017–1022.

Williams TJ. The eosinophil enigma. *J Clin Invest* 2004; 113 (4): 507-9.

Wilson M. Wheezy bronchitis revisited. *Arch Dis Child*.1989; 64(8): 1194-1199.

Wolthers OD. Impact of inhaled corticosteroids on growth of children. *Bio-drug* 2000; 13:347-357.

Wong GW, Liu EK, Leung TF et al. High levels and gender difference of exhaled nitric oxide in chinese school children. *Clin Exp Allergy* 2005; 35: 889-893.

Wright AD and G.F. Joplin. Measuring Skin-fold Thickness. *Acta Endocrinologia* 1969; 60: 705-711.

www.goltech.co.uk

Yu Jh, Lue kh, Lu Kh, ET al. The relationship of air pollution to the prevalence of allergic diseases in Taichung and Chu-Sham. *European Journal of Allergy & Clinical Immunology* 2002.

Zamore, Dulce. "Do You Really Need to Lose Weight?" *Medicinenet.com*. Retrieved on 2008-08-21. www.medlibrary.org/medwiki/Body_mass_index

References

Zarkovic JP, Marenk M, Valovirta E, Kuusela AL et al. The Bambuterol Multicentre Study Group. One-year safety study with bambuterol once daily and terbutaline three times daily in 2-12-year-old children with asthma. *Pediatr Pulmonol* 2000; 29: 424–9.

Zimmerman B, D'Urzo A, Berube D. Efficacy and safety of formoterol Turbuhaler when added to corticosteroid treatment in children with asthma. *Pediatr Pulmonol* 2004; 37(2):122–127.