

MARK ROSENTHAL MD FRCPCH FRCP BSc (Hons) MB ChB (Hons)

CONSULTANT RESPIRATORY PAEDIATRICIAN (recently retired)

TO THE

ROYAL BROMPTON HOSPITAL AND HAREFIELD NHS TRUST

**HONORARY CONSULTANT RESPIRATORY PAEDIATRICIAN TO THE ROYAL
MARSDEN, EPSOM, WELLHOUSE, HEMEL HEMPSTEAD, WATFORD, WORTHING,
CENTRAL MIDDLESEX, FRIMLEY, MAYDAY AND WALTHAM FOREST NHS
TRUSTS – recently retired.**

**HONORARY SENIOR LECTURER TO THE NATIONAL HEART AND LUNG
INSTITUTE, IMPERIAL COLLEGE LONDON.**

**VISITING PROFESSOR OF PAEDIATRICS, MEDICAL UNIVERSITY OF ODESSA,
UKRAINE.**

VISITING CONSULTANT IN PAEDIATRICS UNIVERSITY OF LVIV, UKRAINE

**VISITING CONSULTANT IN RESPIRATORY PAEDIATRICS, HAMAD HOSPITAL,
DOHA QATAR.**

**VISITING CONSULTANT IN RESPIRATORY PAEDIATRICS, UNIVERSITY OF
THESSALONIKA, GREECE.**

**JUDICIAL OFFICE HOLDER, MEDICAL MEMBER, SOCIAL ENTITELMENT
CHAMBER, LONDON UK (2018).**

CURRICULUM VITAE

SURNAME : ROSENTHAL

FORENAME : MARK

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BIRTH : 24th May 1957, Manchester, UK

NATIONALITY : British

GMC No : 2711104

MPS No : 418567

EDUCATION : King's School, Macclesfield 1968-1975
Medical School, Manchester University 1975-1981.
1978 BSc Pharmacology, first class (funded by MRC scholarship)
1981 MB ChB (with honours), Distinctions in paediatrics, surgery and pathology. 6 under-graduate prizes.

Post Graduate : 1984 MRCP (UK)
1990 - Accredited by the Royal college of Physicians as 'Paediatrician with a Special interest in Neonatal Medicine'.
1994 MD, Manchester.
1996 Fellow of the Royal College of Paediatrics and Child Health.
1999 Fellow of the Royal College of Physicians.

Summary of Junior Doctor Posts.

House physician to Prof L Turnberg (President of the Royal College of Physicians)

Senior house officer at Booth Hall Childrens Hospital, Manchester (Dr J Keen, Miss C Doig, Mr J Cohen Dr I McKinley)

Senior house Officer at Leicester Royal Infirmary. (Professor H Simpson, Dr M Levene, Dr S Tanner)

Senior house officer in Paediatric Cardiology at Royal Liverpool Childrens Hospital (Dr J Wilkinson and Dr R Arnold.)

Neonatal Registrar at St Marys Hospital Manchester (Dr M L Chiswick and Dr D G Sims).

Tutor in Child Health to Manchester University, Royal Manchester Childrens' and Duchess of York Childrens' Hospitals. (Dr D A Price and Dr A J Bradbury).

Senior Neonatal and Paediatric Registrar Rotation at University College and Whittington Hospitals, London (Professor E O R Reynolds, Professor L B Strang, Dr J C L Shaw, Dr D Walters, Dr A Kilby)

Senior Research fellow and Honorary senior registrar in paediatric respiratory medicine at the National Heart and Lung Institute, The Royal Brompton Hospital, London 1991-1994

PEER REVIEWED PUBLICATIONS

- 1) Saglani S, Bingham Y, Balfour-Lynn I, Goldring S, Gupta A, Banya W, Moreiras J, Fleming L, Bush A, Rosenthal M. Blood eosinophils in managing preschool wheeze: Lessons learnt from a proof-of-concept trial. *Pediatr Allergy Immunol.* 2021 Nov 16. doi: 10.1111/pai.13697.
- 2) Short C, Semple T, Saunders C, Hughes D, Irving S, Gardener L, Rosenthal M, Robinson PD, Davies JC. A Short extension to multiple breath washout provides additional signal of distal airway disease in people with CF: A pilot study. *J Cyst Fibros.* 2021 Jul 15:S1569-1993(21)01298-4. doi: 10.1016/j.jcf.2021.06.013
- 3) Hughes DA, Price H, Rosenthal M, Davies JC. *Pseudomonas aeruginosa* in the Cystic Fibrosis Airway: Does It Deserve Its Reputation as a Predatory "Bully"? *Am J Respir Crit Care Med.* 2021;203:1027-1030.
- 4) Trucco F, Rosenthal M, Bush A, Tan HL. The McGill score as a screening test for obstructive sleep disordered breathing in children with co-morbidities. *Sleep Med.* 2020;68:173-176.
- 5) Brittain HK, Feary J, Rosenthal M, Spoudeas H; Deciphering Developmental Disorders (DDD) Study, Wilson LC. Biallelic human *ITCH* variants causing a multisystem disease with dysmorphic features: A second report. *Am J Med Genet A.* 2019;179:1346-1350
- 6) Trucco F, Chatwin M, Semple T, Rosenthal M, Bush A, Tan HL. Sleep disordered breathing and ventilatory support in children with Down syndrome. *Pediatr Pulmonol.* 2018;53:1414-1421
- 7) Rosenthal M. Never mind the biologics, just take the inhalers. *Breathe (Sheff).* 2018;14:176-179
- 8) Saglani S, Rosenthal M, Bush A. Should oral corticosteroids be prescribed for preschool viral wheeze? *Lancet Respir Med.* 2018 Jun;6(6):e21. doi: 10.1016/S2213-2600(18)30146-2
- 9) Thursfield RM, Naderi K, Leaver N, Rosenthal M, Alton EFW, Bush A, Davies JC. Children with cystic fibrosis demonstrate no respiratory immunological, infective or physiological, consequences of vitamin D deficiency. *J Cyst Fibros.* 2018;17:657-665
- 10) Brugha R, Semple T, Cook J, Dusmet M, Rosenthal M. Two Bronchogenic Cysts Causing Tracheal Stenosis in an Infant. *Am J Respir Crit Care Med.* 2018;197:261-262.
- 11) Rigby ML, Rosenthal M. Cardiorespiratory Interactions in Paediatrics: 'It's (almost always) the circulation stupid!' *Paediatr Respir Rev.* 2017;22:60-65
- 12) Ahmad F, Irving S, Alton E, Davies JC, Macleod K, Rosenthal M, Saunders C, Bush A, Saglani S, Fleming L. Multiple breath washouts in children can be shortened without compromising quality. *Eur Respir J.* 2015;46:1814-6
- 13) Chatwin M, Tan HL, Bush A, Rosenthal M, Simonds AK. Long term non-invasive ventilation in children: impact on survival and transition to adult care. *PLoS One.* 2015 May 1;10(5):e0125839.
- 14) Rosenthal M. CON: encouraging resistance to rule-based medicine is essential to

improving outcomes. *Thorax*. 2015 Feb;70(2):112-4.

- 15) Crowley S, Chaudry RA, Rosenthal M, Bush A. Letter to the editor in reply to 'pulmonary vascular volumes and airways obstruction in SCD patients'. *Thorax*. 2014 Nov;69(11):1052
- 16) Chaudry RA, Rosenthal M, Bush A, Crowley S. Reduced forced expiratory flow but not increased exhaled nitric oxide or airway responsiveness to methacholine characterises paediatric sickle cell airway disease. *Thorax*. 2014 Jun;69(6):580-5
- 17) Rosenthal M. Prognostication in cystic fibrosis: another futile pastime? *Arch Dis Child*. 2014 Jan;99(1):2-3
- 18) Tan HL, Rosenthal M. IL-17 in lung disease: friend or foe? *Thorax*. 2013 68:788-90
- 19) Chaudry RA, Bush A, Rosenthal M, Crowley S. The impact of sickle cell disease on exercise capacity in children. *Chest*. 2013 Feb 1;143(2):478-84

- 20) Sharples J, Gupta A, Fleming L, Bossley CJ, Bracken-King M, Hall P, Hayward A, Puckey M, Balfour-Lynn IM, Rosenthal M, Bush A, Saglani S. Long-term effectiveness of a staged assessment for paediatric problematic severe asthma. *Eur Respir J.* 2012 ;40:264-7
- 21) Bronchoscopy in Cystic Fibrosis Infants Diagnosed by Newborn Screening. Stafler P, Davies JC, Balfour-Lynn IM, Rosenthal M, Bush A. *Pediatr Pulmonol.* 2011;46:696-700
- 22) Influence of secular trends and sample size on reference equations for lung function tests. Quanjer PH, Stocks J, Cole TJ, Hall GL, Stanojevic S; on behalf of the ERS Global Lungs Task Force. *Eur Respir J.* 2011;37:658-664
- 23) Development of the bronchial epithelial reticular basement membrane: relationship to epithelial height and age. Tsartsali L, Hislop AA, McKay K, James AL, Elliot J, Zhu J, Rosenthal M, Payne DN, Jeffery PK, Bush A, Saglani S. *Thorax.* 2011;66:280-285
- 24) Paediatric sickle cell disease: pulmonary hypertension but normal vascular resistance. Chaudry RA, Cikes M, Karu T, Hutchinson C, Ball S, Sutherland G, Rosenthal M, Bush A, Crowley S. *Arch Dis Child.* 2011;96:131-6
- 25) Newborn screening for cystic fibrosis: the motion against--voices in the wilderness. Rosenthal M. *Paediatr Respir Rev.* 2008;9:295-300.
- 26) Rosenthal M. Bronchoscopy and Infection. *Paediatr respir Rev.* 2003;4:143-146.
- 27) Rosenthal M. Differential Diagnosis of Asthma. *Paediatr Respir Rev.* 2003;3:148-153.
- 28) Jaffe A, Rosenthal M. Macrolides in the respiratory tract in cystic fibrosis. *J R Soc Med* 2002;95:Suppl41:27-31
- 29) Patients with cystic fibrosis should not be intubated and ventilated. Rosenthal M. *J R Soc Med.* 2010 Jul;103 Suppl 1:S25-6.
- 30) Changes in FEV1/FVC ratio during childhood and adolescence: an intercontinental study. Quanjer PH Stanojevic S Stocks J Hall GL Prasad KV Cole TJ Rosenthal M et al. *European Respir J* 2010;36:1391-9
- 31) Can Mucoid Pseudomonas be eradicated in children with cystic fibrosis. McPherson H, Rosenthal M Bush A. *Pediatr Pulmonol* 2010;45:566-568.
- 32) The Bronchial Circulation- worth a closer look: a review of the relationship between the bronchial vasculature and airway inflammation. McCullagh A Rosenthal M wanner A Hurtado A Padley S Bush A. *Pediatr Pulmonol* 2010;45:1-13.
- 33) Fungal Pleural effusion secondary to a rare cause of pancreatic pseudocyst. Gupta A Marrs T Urquhart D Clarke S Rosenthal M Bush A. *Pediatr Pulmonol* 2009;44:616-618
- 34) Corticosteroid responsiveness and clinical characteristics in childhood difficult asthma. Bossley CJ Saglani S Kavanagh C Payne DN Wilson N Tsartsali L Rosenthal M Balfour-Lynn IM Nicholson AG Bush A. *Eur Respir J* 2009;34:1052-1059

- 35) Gas transfer and pulmonary blood flow at rest and during exercise in adults 21 years after pre-term birth. Narang I, Bush A, Rosenthal M. *Am J Resp Crit Care Med* 2009;180:339-345.
- 36) Differential hyperaemia of the airways. Gupta A, Magee A, Rosenthal M. *Cardiol young* 2009 May 15:1.
- 37) Marked improvement in cystic fibrosis lung disease and nutrition following change in home environment. Gupta A, Urquhart D, Rosenthal M. *J Royal Soc Med* 2009;102 Suppl 1:45-48.
- 38) Endobronchial polyp secondary to pulmonary tuberculosis. Gupta A, Pauliah S, Urquhart DS, Rosenthal M. *Arch Dis Child*. 2009;94:230.
- 39) Non-invasive assessment of exercise performance in children with cystic fibrosis (CF) and non-cystic fibrosis bronchiectasis: Is there a CF specific muscle defect? Rosenthal M, Narang I, Edwards L, Bush A. *Pediatr Pulmonol*. 2009;44:222-30.
- 40) Time required to obtain endobronchial biopsies in children during fiberoptic bronchoscopy. Regamey N, Balfour-Lynn I, Rosenthal M, Hogg C, Bush A, Davies JC. *Pediatr Pulmonol*. 2009;44:76-9.
- 41) Annual assessment spirometry, plethysmography, and gas transfer in cystic fibrosis: do they predict death or transplantation. Rosenthal M. *Pediatr Pulmonol*. 2008;43:945-52.
- 42) Longitudinal evaluation of airway function 21 years after preterm birth. Narang I, Rosenthal M, Cremonesini D, Silverman M, Bush A. *Am J Respir Crit Care Med*. 2009;178:74-80.
- 43) Sleep disordered breathing in a 4 year old child with Down's syndrome. Urquhart DS, Perry L, Gupta A, Rosenthal M. *BMJ*. 2008 Oct 1;337:a1229. doi: 10.1136/bmj.a1229.
- 44) Sanja Stanojevic, Angie Wade, Janet Stocks, John Hankinson, Allan L. Coates, Huiqi Pan, Mark Rosenthal, Mary Corey, Patrick Lebecque, and Tim J. Cole. Reference Ranges for Spirometry Across All Ages: A New Approach. *Am. J. Respir. Crit. Care Med*. 2008;177 253-260
- 45) Sleep disordered breathing in a 4 year old child with Down's syndrome. Urquhart DS, Perry L, Gupta A, Rosenthal M. *BMJ*. 2008 Oct 1;337:a1229. doi: 10.1136/bmj.a1229.
- 46) Narang I, Rosenthal M, Bush A. Reproducibility of cardioventilatory measurements using a respiratory mass spectrometer. *Respir Physiol Neurobiol*. 2007;157:310-5.
- 47) Mukherjee S, Langroudi B, Rosenthal M, Balfour-Lynn IM. Incidence and outcome of scoliosis in children with pleural infection. *Pediatr Pulmonol*. 2007;42:221-4

- 48) Regamey N, Hilliard TN, Saglani S, Zhu J, Scallan M, Balfour-Lynn IM, Rosenthal M, Jeffery PK, Alton EW, Bush A, Davies JC. Quality, size, and composition of pediatric endobronchial biopsies in cystic fibrosis. *Chest*. 2007;131:1710-7
- 49) Hilliard TN, Sukhani S, Francis J, Madden N, Rosenthal M, Balfour-Lynn I, Bush A, Davies J. Bronchoscopy following diagnosis with cystic fibrosis. *Arch Dis Child*. 2006 Nov 6; [Epub ahead of print]
- 50) Saglani S, Nicholson AG, Scallan M, Balfour-Lynn I, Rosenthal M, Payne DN, Bush A. Investigation of young children with severe recurrent wheeze: any clinical benefit? *Eur Respir J*. 2006:29-35
- 51) Bilolifar H, Nam AR, Rosenthal M, Davies JC, Henderson DC, Balfour-Lynn IM. Tumour necrosis factor gene polymorphisms and childhood wheezing. *Eur Respir J*. 2005 Oct;26(4):637-46.
- 52) Hilliard T, Edwards S, Buchdahl R, Francis J, Rosenthal M, Balfour-Lynn I, Bush A, Davies J. Voriconazole therapy in children with cystic fibrosis. *J Cyst Fibros*. 2005;4:215-20.
- 53) Edwards EA, Narang I, Li A, Hansell DM, Rosenthal M, Bush A. HRCT lung abnormalities are not a surrogate for exercise limitation in bronchiectasis. *Eur Respir J*. 2004;24:538-44.
- 54) Chavasse RJ, Francis J, Balfour-Lynn I, Rosenthal M, Bush A. Serum vitamin D levels in children with cystic fibrosis. *Pediatr Pulmonol*. 2004;38:119-22.
- 55) Balfour-Lynn IM, Mohan U, Bush A, Rosenthal M. Intravenous immunoglobulin for cystic fibrosis lung disease: a case series of 16 children. *Arch Dis Child*. 2004;89:315-9.
- 56) Rosenthal M. How a non-allergist survives an allergy clinic. *Arch Dis Child*. 2004;89:238-43.
- 57) Narang I, Pike S, Rosenthal M, Balfour-Lynn IM, Bush A. Three Minute step test to assess exercise capacity in children with cystic fibrosis with mild lung disease. *Pediatr Pulmonol* 2003;35:108-113.
- 58) Chavasse R, Johnson P, Francis J, Balfour-Lynn I, Rosenthal M, Bush A. To clip or not to clip? Noseclips for spirometry. *Eur Resp J* 2003;21:876-878.
- 59) Equi A, Balfour-Lynn I, Bush A, Rosenthal M. Long term azithromycin in children with cystic fibrosis: a randomised, placebo-controlled crossover trial. *Lancet* 2002;360:978-984.
- 60) Davies JC, Potter M, Bush A, Rosenthal M, Geddes DM, Alton EW. Bone marrow stem cells do not repopulate the healthy upper respiratory tract. *Pediatr Pulmonol*. 2002;34:251-6.
- 61) McShane D, Nicholson AG, Goldstraw P, Ladas G, Travis WD, Ramanan R, Balfour-Lynn IM, Rosenthal M, Bush A. Inflammatory endobronchial polyps in childhood: clinical spectrum and possible link to mechanical ventilation. *Pediatr Pulmonol*. 2002;34:79-84.

- 62) Payne DN, Balfour-Lynn IM, Biggart EA, Bush A, Rosenthal M. Subcutaneous terbutaline in children with chronic severe asthma. *Pediatr Pulmonol.* 2002;33:356-61.
- 63) Ranganathan SC, Dezateux C, Bush A, Carr SB, Castle RA, Madge S, Price J, Stroobant J, Wade A, Wallis C, Stocks J. Airway function in infants newly diagnosed with cystic fibrosis. *Lancet.* 2001;358:1964-5.
- 64) Jaffe A, Hamutcu R, Dhawan RT, Adler B, Rosenthal M, Bush A. Routine ventilation scans in children with cystic fibrosis: diagnostic usefulness and prognostic value. *Eur J Nucl Med* 2001;28:1313-1318.
- 65) Equi A, Redington A, Rosenthal M, Taylor GM, Jaswon M, Bush A. Pulmonary artery occlusion from tuberculous lymphadenopathy in a child. *Pediatric Pulmonology.* 2001;31:311-313.
- 66) Gatzoulis MA, Balaji S, Webber SA, Siu SC, Hokanson JS, Poile C, Rosenthal M, Nakazawa M, Moller JH, Gillette PC, Webb GD, Redington AN. Risk factors for arrhythmia and sudden cardiac death late after repair of tetralogy of Fallot: a multicentre study. *Lancet.* 2000;356:975-81.
- 67) Schulze-Neick I, Ho SY, Bush A, Rosenthal M, Franklin RC, Redington AN, Penny DJ. Severe airflow limitation after the unifocalization procedure: clinical and morphological correlates. *Circulation.* 2000 Nov 7;102(19 Suppl 3):III 142-147.
- 68) Rosenthal M, Bush A. Ventilatory variables in normal children during rest and exercise. *European Respiratory Journal.* 2000;16:1075-1083.
- 69) Coren ME, Nicholson AG, Goldstraw P, Rosenthal M, Bush A. Open lung biopsy for diffuse interstitial lung disease in children. *European Respiratory Journal.* 1999;14:817-21.
- 70) Brown K, Rosenthal M, Bush A. Fatal invasive aspergillosis in an adolescent with cystic fibrosis. *Pediatric Pulmonology.* 1999;27:130-133.
- 71) Rosenthal M, Bush A. The effects of surgically treated pulmonary stenosis on lung growth and cardiopulmonary function in children during rest and exercise *Eur resp J* 1999;13:590-596.
- 72) Brett SJ, Chambers J, Bush A, Rosenthal M, Evans TW. Pulmonary response of normal human subjects to inhaled vasodilator substances. *Clinical Science* 1998; 95: 621-627.
- 73) Phillips GE, Pike SE, Rosenthal M, Bush A. Holding the baby: head downwards positioning for physiotherapy does not cause gastro-oesophageal reflux. *Eur Respir J* 1998; 12: 954-957.
- 74) Nicholson AG, Kim H, Corrin B, Bush A, du Bois RM, Rosenthal M, Sheppard MN. The value of classifying interstitial pneumonitis in childhood according to defined histological patterns. *Histopathology* 1998; 33: 203-211.
- 75) Rosenthal M, Bush A. The non-invasive assessment of cardiopulmonary haemodynamics in children during rest and exercise: Methods and normal values. *Eur Resp J* 1998; 11:854-865
- 76) Jaffe A, Francis J, Rosenthal M, Bush A. Long-term azithromycin may improve lung function in cystic fibrosis in children. *Lancet* 1998;351:420.

- 77) Rosenthal M Bush A. The simultaneous comparison of acetylene and carbon dioxide flux as a measure of effective pulmonary blood flow in children. *Eur Resp J*. 1997;10:2586-2590.
- 78) Davies J, Trindale M Wallis C Rosenthal M Crawford O Bush A. Retrospective review of the effects of rhDNase in children with cystic fibrosis. *Pediatric Pulmonology*. 1997;23:243-248.
- 79) Coren M Rosenthal M Bush A. The use of cyclosporin in corticosteroid dependent asthma. *Arch Dis Child* 1997;77:522-523.
- 80) Rosenthal M Redington A Bush A. Cardiopulmonary physiology after surgical closure of asymptomatic secundum atrial septal defects in childhood. *Eur Heart J* 1997;18:1816-1822.
- 81) Davies J Trindale M Wallis C Rosenthal M Bush A. The clinical use of rhDNase. *Pediatric Pulmonology - Supplement*. 16:273-4, 1997.
- 82) Oades PJ Rosenthal M MacSweeney EJ Bush A. Subclinical colonic thickening in cystic fibrosis. *Journal of the Royal Society of Medicine*. 1996;89 Suppl 27:24-30.
- 83) Davies J Rosenthal M Bush A. Severe small airways disease resistant to medical treatment in a child with cystic fibrosis. *J Roy Soc Med* 1996;89:172-173.
- 84) MacSweeney E Oades P Buchdahl R Rosenthal M Bush A. The relationship between high strength enzymes and colonic thickening in children with cystic fibrosis. *Lancet* 1995;345:752-756.
- 85) Rosenthal M Bush A Deanfield JE Redington A. A comparison of cardiopulmonary function in children undergoing the atriopulmonary or total cavopulmonary connection Fontan procedure. *Circulation* 1995;91:372-378.
- 86) Rosenthal M Bain SH Bush A Warner JO. Weight/Height^{2.88} as screening for obesity or thinness in schoolage children. *Eur J Paed* 1994;153:876-883.
- 87) Rosenthal M Bain SH Cramer D Helms P Denison D Bush A Warner JO. Lung function in caucasian children aged 4-19 years. I-Spirometry. *Thorax* 1993;48:794-802.
- 88) Rosenthal M Cramer D Bain SH Denison D Bush A Warner JO. Lung function in white caucasian children aged 4-19 years. II-Single breath analysis and plethysmography. *Thorax* 1993;48:803-808
- 89) Rosenthal M, Bellman M. Infantile spasms: a price for ignoring parental anxiety? *Lancet*. 1991;338:1532-3.
- 90) Rosenthal M. Changes in urinary amino acid fractional excretion in neonates undergoing parenteral nutrition. *Early Human Development*. 1988;20:37-44.
- 91) Rosenthal M, Price DA, Addison GM. Congenital Hypothyroidism in the North West region: Increased incidence in Asian families. *Archives of Disease in Childhood* 1988;63:790-793.
- 92) Rosenthal M, Miller P. Ranitidine in the newborn. *Archives of Disease in Childhood* 1988;63:88-89.

93) Rosenthal M, Sinha S, Layward E, Levene M. A double blind comparison of a new paediatric amino acid solution in neonatal parenteral nutrition. *Early Human Development* 1987;15:137-146.

AS PART OF THE LONDON CYSTIC FIBROSIS COLLABORATION

94) Davies G, Stocks J, Thia LP, Hoo AF, Bush A, Aurora P, Brennan L, Lee S, Lum S, Cottam P, Miles J, Chudleigh J, Kirkby J, Balfour-Lynn IM, Carr SB, Wallis C, Wyatt H, Wade A; London Cystic Fibrosis Collaboration (LCFC). Pulmonary function deficits in newborn screened infants with cystic fibrosis managed with standard UK care are mild and transient. *Eur Respir J*. 2017 Nov 9;50(5). pii: 1700326

95) Nguyen TT, Thia LP, Hoo AF, Bush A, Aurora P, Wade A, Chudleigh J, Lum S, Stocks J; London Cystic Fibrosis Collaboration (LCFC). Evolution of lung function during the first year of life in newborn screened cystic fibrosis infants. *Thorax*. 2014 Oct;69(10):910-7

96) Thia LP, Calder A, Stocks J, Bush A, Owens CM, Wallis C, Young C, Sullivan Y, Wade A, McEwan A, Brody AS; London Cystic Fibrosis Collaboration. Is chest CT useful in newborn screened infants with cystic fibrosis at 1 year of age? *Thorax*. 2014 Apr;69(4):320-7

97) Chudleigh J, Hoo AF, Ahmed D, Prasad A, Sheehan D, Francis J, Buckingham S, Cowlard J, Thia L, Nguyen TT, Stocks J; on behalf of the London Cystic Fibrosis Collaboration (LCFC). Positive parental attitudes to participating in research involving newborn screened infants with CF. *J Cyst Fibros*. 2012;12:234-240

98) Hoo AF, Thia LP, Nguyen TT, Bush A, Chudleigh J, Lum S, Ahmed D, Balfour Lynn I, Carr SB, Chavasse RJ, Costeloe KL, Price J, Shankar A, Wallis C, Wyatt HA, Wade A, Stocks J; London Cystic Fibrosis Collaboration. Lung function is abnormal in 3-month-old infants with cystic fibrosis diagnosed by newborn screening. *Thorax*. 2012;67:874-81.

99) Owens CM, Aurora P, Stanojevic S, Bush A, Wade A, Oliver C, Calder A, Price J, Carr SB, Shankar A, Stocks J; London Cystic Fibrosis Collaboration. Lung Clearance Index and HRCT are complementary markers of lung abnormalities in young children with CF. *Thorax*. 2011;66:481-8.

100) Aurora P, Stanojevic S, Wade A, Oliver C, Kozłowska W, Lum S, Bush A, Price J, Carr SB, Shankar A, Stocks J; London Cystic Fibrosis Collaboration. Lung clearance index at 4 years predicts subsequent lung function in children with cystic fibrosis. *Am J Respir Crit Care Med*. 2011;183:752-8.

101) Lung function from infancy to the preschool years after clinical diagnosis of cystic fibrosis. Kozłowska WJ, Bush A, Wade A, Aurora P, Carr SB, Castle RA, Hoo AF, Lum S, Price J, Ranganathan S, Saunders C, Stanojevic S, Stroobant J, Wallis C, Stocks J; London Cystic Fibrosis Collaboration. *Am J Respir Crit Care Med*. 2008 Jul 1;178(1):42-9.

102) Early detection of cystic fibrosis lung disease: multiple-breath washout versus raised volume tests. Lum S, Gustafsson P, Ljungberg H, Hülkamp G, Bush A, Carr SB, Castle R, Hoo AF, Price J, Ranganathan S, Stroobant J, Wade A, Wallis C, Wyatt H, Stocks J; London Cystic Fibrosis Collaboration. *Thorax*. 2007;62:341-7.

103) Multiple-breath washout as a marker of lung disease in preschool children with cystic fibrosis. Aurora P, Bush A, Gustafsson P, Oliver C, Wallis C, Price J,

Stroobant J, Carr S, Stocks J; London Cystic Fibrosis Collaboration. Am J Respir Crit Care Med. 2005;171:249-56.

- 104) Quality control for spirometry in preschool children with and without lung disease. Aurora P, Stocks J, Oliver C, Saunders C, Castle R, Chaziparasidis G, Bush A; London Cystic Fibrosis Collaboration. Am J Respir Crit Care Med. 2004 May 15;169(10):1152-9.**

Invited Chapters and Reviews.

- 1) Rosenthal M, Bush A. The Growing Lung: Normal development and the long term effects of pre- and post-natal insults. In: Bush A Carlson KH Zach MS eds. Growing up with lung disease: the lung in transition to adult life. Eur Resp Mon 2002;19:1-24.**
- 2) Rosenthal M. Long term decline in lung function. In: Cystic Fibrosis. Eds Geddes, Hodson, Bush 3rd ed. Hodder Arnold, London 2007:345-351**
- 3) Rosenthal M. Long term decline in lung function. In: Cystic Fibrosis. Eds Hodson, Bilton and Bush 4th ed. Hodder Arnold, London 2015**

MD and PhD Co-supervision.

Completed.

- 2005. I.Narang. Long term follow up of extreme preterm infants to adulthood: Cardiopulmonary physiology and lung function. University of London.**
- 2009. R.Chaudry. Sickle Cell disease. Cardiopulmonary physiology and the development of pulmonary hypertension. University of London**
- 2012 A. McCullough. Measurement of bronchial blood flow as an inflammometer in children. University of London**
- 2015. S.Irving. Gas mixing in the lungs with obstructive lung disease University of London (PhD)**
- 2018. C.Grime. Exploring the relationship between obstructive sleep apnoea, asthma and atopic disease in children. University of London.**

CURRENT MEMBERSHIP OF PROFESSIONAL ASSOCIATIONS.

Since 1996 British Paediatric Respiratory Society

Since 1991 Royal College of Paediatrics and Child Health

Since 1995 British Thoracic Society

Since 1981 British Medical Association.

OTHER ROLES

i) Member of the Royal College of Paediatrics and Child Health Academic Board

2008-2014

ii) Chairman of Chapter P (Paediatrics) Expert working group at the Health and Social care Information Centre (HSCIC) 2011-

Recent and upcoming Invited Lectures

April 2018 4th Kings Paediatric Respiratory Conference, London – Is

polysomnography the gold mine or gold standard in 2018

September 2018 – Lviv, Ukraine - Asthma in children: Are we diagnosing it? Are we treating it?

January 2019 – Royal London Hospital – Never mind the biologics, just take the inhalers

March 2019 – Vinnitsa, Ukraine - Why are we failing so badly at asthma diagnosis and management?

April 2019 – 5th Kings Paediatric Respiratory Conference - London

- a) Everybody lying sitting across from somebody having responsibility without power.**
- b) Coding for the novice**
- c) 30 years of paediatric respiratory myths and dogma**