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### **Peer-reviewed Publications - Scientific Journals:**

- Wilkin TJ. The Accelerator Hypothesis: weight gain as the missing link between Type I and Type II diabetes. Review. *Diabetologia*. 2001 Jul; 44:914-22.
- Wilkin TJ *et al*. The relative contributions of birth weight, weight change, and current weight to insulin resistance in contemporary five-year-olds: The EarlyBird Study (EarlyBird 2). *Diabetes* 2002 Dec;51(12): 3468-72.
- Metcalf BS *et al*. Accelerometers identify inactive and potentially obese children (EarlyBird 3). *Arch Dis Childhood* 2002 Aug; 87, 166-7.
- Metcalf BS *et al*. Technical reliability of the CSA activity monitor (The EarlyBird Study) *Med Sci Sports Exerc*. 2002 Sept; 34(9):1533-37.
- Howdle S & Wilkin TJ. Type 2 diabetes in children: an epidemic in the making. *Nursing Standard* 2001;15:38-42.
- Jeffery AN *et al*. Causes of insulin resistance in childhood. *Nursing Standard* 2002; 16:33-37.
- Jeffery AN. Insulin resistance. *Nursing Standard* 2003;17(32),47-53.
- Mallam KM *et al*. Contribution of timetabled physical education to total physical activity in primary school children: cross sectional study. *BMJ* 2003 Sept; 327:592-3.
- Kibirige M *et al*. Testing the Accelerator Hypothesis: the relationship between body mass and age at diagnosis of type 1 diabetes *Diabetes Care* 2003 Oct ;26 (10):2865-70.
- Voss LD *et al*. Preventable factors in childhood that lead to insulin resistance, diabetes and the metabolic syndrome: The EarlyBird Diabetes Study (1). *J Pediatr Endocrinol and Metab* 2003 Dec; 16(9):1211-24.
- Murphy MJ *et al*. Girls at five are intrinsically more insulin resistant than boys: the Programming Hypotheses revisited – the EarlyBird Study (EarlyBird 6). *Pediatrics* 2004 Jan;113(1):82-86.
- Mitchell SM *et al*. Lack of support for a role of the insulin gene variable number of tandem repeats minisatellite (INS-VNTR) locus in fetal growth or Type 2 diabetes-related intermediate traits in United Kingdom populations. *J Clin Endocrinol Metab*. 2004 Jan;89(1):310-7.
- Wilkin TJ *et al*. Future intervention trials in Type 1 Diabetes. *Diabetes Care* 2004 April;27:996-7.
- Kirkby J *et al*. Sex differences in resting energy expenditure and their relationship to insulin resistance in children (EarlyBird 13). *Am J Clin Nutr* 2004 Aug;80(2):430-5.
- Jeffery AN *et al*. The impact of pregnancy weight and glucose on the metabolic health of mother and child in the SW of the UK (EarlyBird 14). *Midwifery* 2004 Sept; 20(3): 281-9.
- Metcalf BS *et al*. Physical activity cost of the school run: impact on schoolchildren of being driven to school (EarlyBird 22). *Brit Med J* 2004 Oct 9;329:832-3. Epub 2004 Aug 18.
- Wilkin TJ & Voss LD. Metabolic Syndrome: Maladaptation to a Modern World. *Journal of the Royal Society of Medicine* 2004 Nov;97(II):511-20
- Betts PR *et al*. Increasing body weight predicts the earlier onset of insulin dependent diabetes in childhood: testing the 'Accelerator Hypothesis' (2). *Diabetic Medicine* 2005 Feb; 22(2):144-51.

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- Jeffery AN *et al.* Parents' awareness of overweight in themselves and their children: cross-sectional study within a cohort (EarlyBird 21). *Brit Med J*, Jan 2005;330:23-4. Epub 2004 Nov 26.
- Metcalf BS *et al.* The regulation of physical activity in young people. *Education & Health* 2004;22(4):61-64.
- Jeffery AN *et al.* Ethical dilemmas - feeding back results to members of a longitudinal cohort study. *J Med Ethics* 2005 March; 31(3):153.
- Wilkin TJ *et al.* Metabolic risk in early childhood. (EarlyBird 25) *Int. J Obesity Relat Metab Disord* 2004 Nov; 28 Suppl 3:S64-9.
- Weedon MN *et al.* Genetic regulation of birth weight and fasting glucose by a common polymorphism in the islet cell promoter of the glucokinase gene. *Diabetes*, Feb. 2005;54(2):576-81.
- Jeffery AN *et al.* Insulin resistance in childhood: The EarlyBird Diabetes Study (12). *Journal of Diabetes Nursing* 2005;9(4):127-132.
- Wilkin TJ. The great weight gain experiment, accelerators and their implications for autoantibodies in diabetes. *Arch Dis Child* 2006 Jan; 91(6):456-458.
- Jeffery AN *et al.* Obesity-linked insulin resistance in children – an emerging problem The EarlyBird Study 31. *European J Diabetes Nursing* 2006;3(1).
- Voss LD *et al.* IOTF thresholds for overweight and obesity and their relation to metabolic risk in children. (EarlyBird 20). *International J of Obesity*, 2006 Apr;30(4):606-9.
- Wilkin TJ & Murphy MJ. The gender insulin hypothesis: why girls are born lighter than boys, and the implications for insulin resistance. *International J of Obesity* 2006;30:1056-61. Review.
- Wilkin TJ *et al.* Variation in physical activity lies with the child, not his environment: evidence for an 'activitystat' in young children (EarlyBird 16) *International J of Obesity* 2006 July; 30(7):1050-55.
- Murphy MJ *et al.* Does lean rather than fat mass provide the link between birth weight, BMI and diabetes risk? EarlyBird 23. *Pediatric Diabetes* 2006 Aug;7(6):211-14.
- Jeffery AN *et al.* Little evidence for early programming of weight and insulin resistance for contemporary children: EarlyBird Diabetes Study Report 19. *Pediatrics* 2006 Sept;118(3):1118-23.
- Hosking J *et al.* Validation of foot-to-foot bioelectrical impedance analysis with dual-energy X-ray absorptiometry in the assessment of body composition in young children: the EarlyBird cohort. *British Journal of Nutrition* 2006 Dec; 96:1163-1168.
- Weedon MN *et al.* A common haplotype of the glucokinase gene alters fasting glucose and birth weight: association in six studies and population-genetics analyses. *Am J Hum Genet.* 2006 Dec;79(6):991-1001. Epub 2006 Oct 6.
- Chandak GR *et al.* Triglyceride associated polymorphisms of the APOA5 gene have very different allele frequencies in Pune, India compared to Europeans. *BMC Med Genet.* 2006 Oct 10;7:76
- Wilkin TJ. Changing perspectives in diabetes: their impact on its classification. *Diabetologia* 2007 Aug;50(8):1587-92. Epub 2007 Apr 25.
- Hosking J *et al.* Resting energy expenditure, adiponectin and changes in body composition of young children (EarlyBird 34). *Int J Pediatr Obes.* 2007; Aug 29:1-6.

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- Jeffery AN *et al.* Behaviour of insulin resistance and its metabolic correlates in prepubertal children: a longitudinal study (EarlyBird 32). *Diabetes Care*. 2007 Nov;30(11):2962-4. Epub 2007 Aug 21.
- Voss LD *et al.* Children from low-income families enjoy less access to sports facilities but are no less physically active. *Child: Care, Health & Development* 2008;34(4):470-474.
- Gardner DS *et al.* Trends, associations and predictions of insulin resistance in prepubertal children (EarlyBird 29). *Pediatric Diabetes* 2008 June; 3(PtI): 214-220. Epub 2008 March 5.
- Wilkin TJ. Diabetes: 1 and 2, or one and the same? Progress with the accelerator hypothesis *Pediatric Diabetes* 2008; 9(3 PtII): 23-32. Review.
- Metcalf BS *et al.* Physical activity at the government-recommended level and obesity-related health outcomes: a longitudinal study (EarlyBird 37). *Archives of Disease in Childhood*. 2008;93:772-777.
- Jeffery AN *et al.* Adiponectin in Childhood. Review Article. *International Journal of Pediatric Obesity* 2008;3:130-140. Review. Epub 2008 March 6.
- Murphy M *et al.* Distribution of adiponectin, leptin, and metabolic correlates of insulin resistance. A longitudinal study in British children: 1. Pre-puberty (EarlyBird 15) *Clin Chem* 2008 Aug;54(8):1298-1306.
- Gardner D S-L *et al.* Contribution of early weight gain to childhood overweight and metabolic health: a longitudinal study (EarlyBird 36) *Pediatrics* 2009 Jan;123(1):e67-73.
- Metcalf BS *et al.* Objectively-measured physical activity and its association with adiponectin and other novel metabolic markers: a longitudinal study in children (EarlyBird 38) *Diabetes Care* 2009 Mar;32(3):468-73.
- Krishnan B *et al.* Gender differences in the relationship between heart rate control and adiposity in young children: a cross-sectional study (EarlyBird 33). *Pediatric Diabetes* 2009 Apr;10(2):127-34.
- Wilkin TJ & Metcalf BS. Glucose allostasis: emperor's new clothes? *Diabetologia* May 2009;52(5):779-80. Epub 2009 Feb 19.
- Perez-Pastor E *et al.* Assortative weight gain in mother-daughter and father-son pairs: an emerging source of childhood obesity. Longitudinal study of trios (EarlyBird 43). *International Journal of Obesity*. 2009 Jul;33(7):727-35.
- Wilkin TJ. The Accelerator Hypothesis. A review of the evidence for insulin resistance as the basis for type I8 as well as type II diabetes. *Int J Obes (Lond)*. 2009 July; 33(7): 716-26.
- Hosking J *et al.* Changes in resting energy expenditure and their relationship to insulin resistance and weight gain: a longitudinal study in pre-pubertal children (EarlyBird 17). *Clin Nutr*. 2010 Aug;29(4):448-52. Epub 2010 Feb 6.
- Voss LD *et al.* Metabolic risk in contemporary children is unrelated to socio-economic status: longitudinal study of a UK urban population (EarlyBird 42). *Pediatr Diabetes*. 2010 Mar 24. [Epub ahead of print].
- Metcalf BS *et al.* Fatness leads to inactivity, but inactivity does not lead to fatness: a longitudinal study in children (EarlyBird 45). *Arch Dis Child*. 2011 Oct;96(10):942-7. Epub 2010 Jun 23.

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- Metcalf BS *et al.* BMI was right all along: taller children really are fatter (implications of making childhood BMI independent of height) (EarlyBird 48). *Int J Obes (Lond)*. 2011 Apr;35(4):541-7.
- Hosking J *et al.* Little impact of resting energy expenditure on childhood weight and body composition: a longitudinal study (EarlyBird 47). *Nutrition Research* 2011, Jan;31:9-13.
- Frémeaux AE *et al.* The impact of school-time activity on total physical activity: the activitystat hypothesis (EarlyBird 46). *Int J Obes (Lond)* 2011 Oct;35:1277-83.
- Frémeaux AE *et al.* Consistency of children's dietary choices: annual repeat measures from 5 to 13 years (EarlyBird 49). *Br J Nutr*. 2011 Sep;106(5):725-31.
- Ajala O *et al.* The relationship of height and body fat to gender-assortative weight gain in children. A longitudinal cohort study (EarlyBird 44). *Int J Pediatr Obes*. 2011 Aug;6(3-4):223-8.
- Hosking J *et al.* Direction of causality between body fat and insulin resistance in children - a longitudinal study (EarlyBird 51). *Int. J Pediatr Obes*. 2011 Oct;6(5-6):428-33.
- Wilkin TJ. Can we modulate physical activity in children? No. *Int J Obes (Lond)*. 2011 Oct;35(10):1270-6.
- Wilkin TJ. The convergence of Type 1 and Type 2 Diabetes in Childhood: the Accelerator Hypothesis. *Pediatric Diabetes* 2011 Nov 8. doi: 10.1111/j.1399-5448.2011.00831.x. [Epub ahead of print]
- Ajala O *et al.* The contribution of parental BMI to the metabolic health of their offspring. A longitudinal cohort study (EarlyBird 55). *Pediatric Obesity* 2012 Apr;7(2):143-50.
- Jeffery AN *et al.* Age before stage: insulin resistance rises before the onset of puberty: a 9-year longitudinal study (EarlyBird 26). *Diabetes Care* 2012 Mar;35(3):536-41.
- Lakshmi S *et al.* Differences in body composition and metabolic status between white UK and Asian Indian children. *Pediatric Obesity* (in press).

**Book:** Voss LD & Wilkin TJ (eds), *Adult Obesity: a Paediatric Challenge*. June 2003, Taylor & Francis, London

### **Chapters:**

- ◆ Wilkin TJ. The seeds are sown in childhood. In: *Adult Obesity: a Paediatric Challenge* (Voss and Wilkin eds), June 2003, Taylor & Francis, London. pp 39-49.
- ◆ Jeffery AN. The seeds are sown in childhood – insulin resistance and the global epidemic of Type 2 Diabetes. In: *Focus on Diabetes Mellitus Research –2005*. (Ashley M Ford ed.) Nova Science Publishers Inc, New York.
- ◆ Wilkin TJ. The Accelerator Hypothesis: A Unifying Explanation for Type-1 and Type-2 Diabetes. *Nestle Nutr Workshop Ser Clin Perform Programme*. 2006;11:139-153.
- ◆ Wilkin TJ. Tempo and Type 1 Diabetes: the Accelerator Hypothesis in Dabelea D and Klingensmith G (Eds) *The Epidemiology of Pediatric and Adolescent Diabetes*. Informa HealthCare, 2008, pp85-102.

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### **Other Publications (incl. Leaders and Editorials):**

- Jeffery AN & Voss LD. Parents unable to weigh up childhood obesity (Leader) *Practical Diabetes International*. Nov/Dec 2004; Vol. 21 (9):319-20.
- Voss LD. Obesity: early intervention (Guest editorial). *Gastrointestinal Nursing* 2004;(5):3.
- Wilkin TJ & English P. Metabolic syndrome: detection and management. *BMJ Learning*. Oct. 2005.
- Jeffery AN & Voss LD. Weighing in at school? The value of routine school based measurements in the fight against obesity. (Leader) *Practical Diabetes International*. Sept 2007;24(7) 335-6.
- Voss LD. New Government initiatives to tackle obesity – but will they work? (Leader) *Pract Diab Int*. April 2008;25(3).
- Hall D. Child Growth Foundation Seminar on *The Epidemic of Obesity in Childhood* – RCP London July 29-30, 2000. Consensus document with contributions from seminar members: Logan S, Macfarlane A, Elliman D, Betts P, Cole TJ, Wilkin TJ and Voss LD. [http://www.health-for-all-children.co.uk/pdf/epidemic\\_obesity/epidemic\\_of\\_obesity.pdf](http://www.health-for-all-children.co.uk/pdf/epidemic_obesity/epidemic_of_obesity.pdf).
- Jeffery AN & Perkins J. Longitudinal studies with children (Research Notes) *Nursing Standard* 2002;16:32.
- Jeffery AN *et al.* Activity Monitoring in Children (Research Notes) *Nursing Standard* 2003;17:21.
- Metcalf BS. (Guest Editorial) Accelerometers for Measuring Physical Activity Behaviour in Indian Children. *Indian Pediatr*. 2009 Dec;46(12):1051-2.

### **Letters**

- Murphy MJ *et al.* Re: Paternal insulin and fetal growth. *Diabetologia* 2002;45: 595.
- Wilkin TJ. Re: The incidence of type 1 diabetes has not increased, but shifted to a younger age at diagnosis in the 0-34 age group in Sweden 1983-1998. *Diabetologia* 2002;45:783-791.
- Wilkin TJ. Diabetes Mellitus: Type 1 or type 2? The accelerator hypothesis *J Pediatrics* 2002;141:449-50.
- Wilkin TJ. Re: The Accelerator Hypothesis *Diabetologia* 2002;45:289. Jeffery A, Wilkin T. NICE guidelines for routine antenatal care October 2003). *MIDIRS Midwifery Digest* 14;2:2004.
- Wilkin T & Voss L. Physical activity in young children. *Lancet* 2004; 363:1162-3.
- Voss LD *et al.* Bleeding ethics. *Arch Dis Child* 2004;89:590-591.
- Wilkin T. The metabolic syndrome, babies and bathwater. *Diabetologia* 49;02/06.
- Wilkin TJ *et al.* Physical activity and BMI in adolescence. *Lancet* 2005 Dec 10;366:2003.
- Wilkin T. Comment on: Is the 'Accelerator Hypothesis' worthy of our attention? *Diabetic Medicine* 2005 Oct;22(10):1458-9.
- Wilkin TJ. Testing the Accelerator Hypothesis: Body Size, {beta}-Cell Function, and Age at Onset of Type 1 (Autoimmune) Diabetes: Response to Dabelea *et al.* *Diabetes Care* June 2006, 29(6):1462-1463.
- Murphy MJ & Wilkin TJ. Response to Dr James. *Int J Obes* (Lond). 2007 Apr 24; Epub ahead of print.
- Wilkin TJ. The accelerator hypothesis cannot be tested using the type 2 diabetes gene TCF7L2. *Diabetologia*. 2007 Aug;50(8):1780.
- Wilkin T. Comment on: Gale EAM (2007) To boldly go -- or to go too boldly? The accelerator hypothesis revisited. *Diabetologia* 50:1571-1575 - a reply to the editor. *Diabetologia*. 2007 Dec;50(12):2604-6.
- Wilkin T. Reply to Wardle J *et al.* School-based physical activity and changes in adiposity. *Int J Obes* (Lond). 2008 Mar;32(3):577.
- Wilkin T. Insulin resistance and progression to type 1 diabetes in the European Nicotinamide Diabetes Intervention Trial (ENDIT): response to Bingley *et al.* *Diabetes Care*. 2008 Apr;31.
- Wilkin T. Major increase in Type 1 diabetes: no support for the accelerator hypothesis. *Diabet Med*. 2008 Mar;25(3):376-7; author reply 377; discussion.
- Wilkin T. Gender assortative weight gain: reply to Leary, Smith and Ness. *Int J Obes* (Lond). 2010 Sep 21. [Epub ahead of print].
- Wilkin T. The accelerator hypothesis: insulin resistance as the central cause of type 1 and type 2 diabetes. reply p 212 to Booker C. *Int J Obes* (Lond). 2010 Jan;34(1):210-11.
- Wilkin T. Gender-assortative weight gain: reply to Leary, Smith and Ness. *Int J Obes* (Lond). 2010 Sep 21. [Epub ahead of print].

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- Metcalf B & Wilkin T. Lifestyle intervention in preschool children has little effect on obesity. *Brit Med J* 2012 Jan 31;344:e714.
- Wilkin TJ & Metcalf BS. Testing the activitystat hypothesis. *Prev Med* 2012 Feb 1;54(2):177.

### Invited Platform Presentations:

1. Wilkin T. European Association for the Study of Diabetes (EASD): State-of-the-art Symposium, Glasgow 2001.
2. Wilkin T. British Society for Paediatric Endocrinology & Diabetes (BSPED). State-of-the-art Symposium, Plymouth 2002.
3. Wilkin T. Steno Diabetes Research Centre, Copenhagen, 2003.
4. Wilkin T. Diabetes UK: State-of-the-art Symposium, Glasgow 2003.
5. Wilkin T. European Congress on Obesity (ECO) Satellite Symposium, Helsinki 2003.
6. Wilkin T. Spanish Endocrine Society Congress, Warsaw 2003
7. O'Riordan C. Prevention of Obesity, International Diabetes Federation Congress, Paris 2003.
8. Voss L. Childhood Diabetes Symposium. Stafford Postgraduate Centre, 2003.
9. Wilkin T. Obesity & Diabetes. National Obesity Forum 1<sup>st</sup> National Conference, London 2003.
10. Voss L. *How do Children Grow?* Royal Society of Medicine, London 2003.
11. Voss L & Metcalf B. Dorset Physical Activity Alliance Conference, 2003.
12. Wilkin T. Women's Health Research Conference, Peninsula Medical School 2004.
13. Wilkin T. *The Challenge of Obesity in Childhood and Adolescence*. Somerset College, 2004.
14. Wilkin T. Obesity: from Basic to Clinical Science, Reus, Spain 2004.
15. Wilkin T. European Childhood Obesity Group (ECOG), Zaragoza, 2004.
16. Voss L. 11<sup>th</sup> National Symposium Paediatric & Adolescent Diabetes, Notts University 2004.
17. Wilkin T. 11<sup>th</sup> National Symposium Paediatric & Adolescent Diabetes, Notts University 2004.
18. Wilkin T. *Accelerator Hypothesis*: State-of-the-art Symposium, EASD, Munich 2004.
19. Wilkin T. *The Rising Tide of Diabetes in Children*. Novartis Foundation. London, 2004.
20. Metcalf B. *Physical Activity in Young Children*. MRC Epidemiology Unit, Cambridge, 2004.
21. Wilkin T. *Lessons from EarlyBird*. 5<sup>th</sup> Nutrition & Health Conference, London, 2004
22. Voss L. 1<sup>st</sup> National Conference on Obesity and Health, Manchester, 2005
23. Metcalf B. Dorset Physical Activity Alliance Conference, 2005
24. Wilkin T. *Physical activity in Young Children*. Challenges of Diabetes in Young People Symposium. Diabetes UK, Glasgow, April 2005
25. Wilkin T. *Accelerator Hypothesis*. American Diabetes Association, San Diego, 2005.
26. Wilkin T. 1<sup>st</sup> International Conference on Pre-diabetes & Metabolic syndrome. Berlin 2005
27. Wilkin T. *Accelerator Hypothesis*. German Diabetes Association Annual Conference, Berlin, 2005
28. Wilkin T. *Accelerator Hypothesis*. Diabetes UK South West Primary Care Conference, Bristol, 2005.
29. Wilkin T. *Accelerator Hypothesis*. International Society for Paediatric Endocrinology & Diabetes (ISPAD), Krakow, 2005.
30. Jeffery A. *The early origins of insulin resistance – longitudinal evidence from the EarlyBird cohort*. The Rank Prize Funds Symposium. Grasmere, 2005.
31. Hosking J. *Determinants of metabolic health in early childhood: the EarlyBird Diabetes Study*. The Rank Prize Funds Symposium (**First prize winner**) Grasmere, 2005.
32. Wilkin T. *Physical activity*. National Obesity Forum 3<sup>rd</sup> Annual Conference, London, 2005.
33. Wilkin T. *Accelerator Hypothesis*. Hangzhou, China, 2005.
34. Wilkin T. *Accelerator Hypothesis*. Association of Surgeons of Great Britain & Ireland, 2006.
35. Wilkin T. 2<sup>nd</sup> National Conference on Obesity and Health, UMIST, Manchester, 2006
36. Wilkin T. *Accelerator Hypothesis update*. Spanish Endocrine Society, Seville, 2006
37. Wilkin T. *Activitystat Hypothesis*. Basle, 2006
38. Wilkin TJ. *Activitystat Hypothesis*. 11<sup>th</sup> Congress of European Congress of Sport Science, Lausanne, 2006.
39. Metcalf B. *Impact of the environment on physical activity*. *International Congress on Obesity (ICO)* Sydney, 2006



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40. Jeffery A. *EarlyBird*. Federation of European Nurses in Diabetes (FEND) 11<sup>th</sup> Annual Conference, Copenhagen, 2006.
41. Wilkin T. *Activitystat Hypothesis*. Swedish Diabetes Association, Linköping, 2006
42. Wilkin T. *Testing the Accelerator Hypothesis*. Polish Diabetes Association, Poznan, 2006.
43. Wilkin T. *Testing the Accelerator Hypothesis*. Spanish Society of Pediatric Endocrinology, Seville. 2007
44. Wilkin T. *The Metabolic Syndrome*. Highland Diabetes Symposium, Nairn, Scotland. 2007
45. Wilkin T. *Early life determinants of insulin resistance in children*. Royal Society for Medicine, 2007
46. Wilkin T. *Influence on the offspring of maternal obesity*. Association for the Study of Obesity: Women, Weight and Reproductive Health, Warwick 2007
47. Wilkin T. *Metformin – Slowing the Accelerator?* International Society for Paediatric and Adolescent Diabetes, Berlin, 2007.
48. Wilkin T. *Physical activity and the metabolic health of children*. Southampton University 2007.
49. Wilkin T. *Insulin resistance – an inflammatory disease*. Serono International Foundation Symposium, Athens 2008
50. Wilkin T. *Metabolic Syndrome -Maladaptation to the Modern World*. Centre for Emotional Development. Brighton, 2008.
51. Wilkin T. Association of British Clinical Diabetologists, Harrogate, 2008.
52. Wilkin T. *The EarlyBird Study*. Metabolic Syndrome meeting. University of Washington Diabetes Endocrinology Research Center, Seattle, 2008.
53. Wilkin T. *Metabolic & vascular aspects of health in young people*. British Association for Sport & Exercise Science (BASES) Annual Conference, Brunel 2008.
54. Wilkin T. *Acceleration: concept or reality?* International Society for Pediatric & Adolescent Diabetes. Durban, 2008.
55. Wilkin T. *The EarlyBird Diabetes Study*. St Paul's School Medical Society 2008.
56. Wilkin T. National Obesity Forum (NOF), Birmingham 2008.
57. Wilkin T. Anglo-French Medical Society 2008.
58. Wilkin T. AVRDC, World Vegetable Research Centre, Taiwan, 2009
59. Wilkin T. Launch of *Healthy Futures for All Strategy*, Eden Project, Cornwall 2009.
60. Wilkin T. 1<sup>st</sup> International Conference on Advances in Diabetes & Insulin Therapy, Mumbai, 2009.
61. Wilkin T. European Childhood Obesity Group, Dublin 2009.
62. Wilkin T. *Pediatrics in Primary Care*, London, 2010.
63. Wilkin T. FOCUS. Assoc. for Clinical Biochemistry National Meeting, Glasgow, 2010.
64. Wilkin T. German Diabetes Association, Stuttgart, 2010.
65. Wilkin T. BASES Annual Conference, Glasgow 2010.
66. Wilkin T. Society for the Study of Human Biology and The Biosocial Society symposium, Durham 2010.
67. Metcalf B. European Youth Heart Study, Bath 2010.
68. Jeffery A. Keynote lecture: Federation of European Nurses in Diabetes (FEND) Annual Conference, Stockholm, 2010
69. Wilkin T. Childhood obesity: lessons from EarlyBird. National Obesity Forum (NOF), London, 2010.
70. Metcalf B. Bloomsbury Nutrition Seminar Series, Institute of Child Health, 2010.
71. Wilkin T. *Key Findings from EarlyBird*. 11th Plymouth Symposium 2011.
72. Wilkin T. Best Practice in Changing Times – DUK Regional Professional Conference, Exeter 2011.

### **Expert Advisory Groups/Workshops/Seminars**

- Voss L. *Childhood Obesity*, RCPCH Workshop, Royal College of Physicians, London, July 2000
- Voss L. *Public Health Approaches to Obesity* Workshop, Royal College of Paediatrics & Child Health, 2003.
- Voss L. Diabetes Single Issue Panel report on *Healthy Lifestyles*. Cornwall CC Health & Social Care Overview & Scrutiny Committee, 2003
- Voss L. Irish Growth Monitoring Workshop, Dublin, 2004
- Voss L. Child Growth Foundation Workshop: *Obesity and BMI*, Institute of Child Health, 2004
- Voss L. RCPCH *Obesity Research Group*, 2004-5

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Wilkin T. *Accelerator Hypothesis*. National Institutes of Health, Bethesda, USA, 2005

Voss L. Expert Scoping Workshop: Dept Science & Technology *Foresight Obesity Project*. Nov 2005

Wilkin T. *Accelerator Hypothesis*. Centre for Diseases Control, Atlanta, 2005

Wilkin T. McGill University, Montreal, 2008

1. Issue Expert McGill Health Challenge Think Tank on *Childhood Obesity*
2. Brain-to Society Research Workshop on obesity

Wilkin T. Healthy Weight Healthy Lives. Annual Horizon Scanning Event, Dept of Health, London 2009

Wilkin T. Can the UK cohort resource be used to answer key scientific questions about the emergence and development of the obesity epidemic? Wellcome Trust, London, 2009

Wilkin T. GovNet conference Tackling Obesity in 2010.

Wilkin T. Obesity in Atlantic Canada, Nova Scotia, 2010.

Wilkin T & L Voss. The World Health Organisation, Geneva, 2010.

Wilkin T. 9<sup>th</sup> meeting of the EC High Level Group on Nutrition and Physical Activity, Madrid, 2010

Voss L. Round Table: Childhood Obesity. Report in *SocietyGuardian*, 2010.

Wilkin T. SW Regional Health Summit on Diabetes. Translating national health policy into local implementation priorities: improving health outcomes in Diabetes. Torquay, 2010.

Wilkin T. Parliamentary & Stakeholder *Diabetes Think-Tank*. London, 2012.

#### **Peer-reviewed Oral Presentations - Scientific Meetings**

1. Metcalf B *et al*. The use of accelerometers to measure physical activity in four-year-old children: The EarlyBird Study. British Society for Paediatric Endocrinology and Diabetes (BSPED), Birmingham, 2000.
2. Wilkin TJ *et al*. Insulin resistance and its metabolic impact in five-year-old children. Diabetes UK Annual Professional Meeting, 2001, Glasgow.
3. Wilkin TJ *et al*. Insulin resistance and its metabolic impact on health in five-year-olds. 6<sup>th</sup> Joint World meeting of LWPES/ESPE/APEG/JSPE Paediatric Endocrine Societies. 2001, Montreal.
4. Murphy MJ *et al*. Insulin resistance in boys and girls of school age: The EarlyBird Study. Association of Clinical Biochemists Annual Meeting 2001.
5. Mallam KM *et al*. Testing the Accelerator Hypothesis: Type 1 Diabetes (T1D) presents earlier in the fatter child. Diabetes UK, Birmingham, 2002.
6. Mallam KM *et al*. Five- year-old girls are intrinsically more insulin resistant than boys (The EarlyBird Study). Royal College of Paediatrics and Child Health (RCPCH), York, 2002.
7. Mallam KM *et al*. Testing the Accelerator Hypothesis: Type 1 diabetes presents earlier in the fatter child. American Diabetes Association (ADA), San Francisco, 2002.
8. Curnow J *et al*. A method to test the reliability of the CSA activity monitor. Joint scientific meeting All Wales and South West Institute of Physics and Engineering in Medicine (SWIPEM), Cardiff, 2002.
9. Wilkin TJ *et al*. Testing the Accelerator Hypothesis: Type 1 diabetes presents earlier in the fatter child. European Association for the Study of Diabetes (EASD), Budapest, 2002.
10. Murphy MJ *et al*. Girls at five are intrinsically more insulin resistant than boys (the Earlybird study). International Society for Paediatric Endocrinology & Diabetes (ISPAD), Graz, 2002.
11. Wilkin TJ *et al*. Testing the Accelerator Hypothesis: type 1 diabetes presents earlier in the fatter child (the EarlyBird Diabetes Programme). International Society for Paediatric Endocrinology & Diabetes (ISPAD), Graz, 2002.
12. Voss LD *et al*. Predicting insulin resistance in contemporary children: genes, gestation or current weight: (the Earlybird Study) International Society for Paediatric Endocrinology & Diabetes (ISPAD), Graz, 2002.



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13. Mallam KM *et al.* Testing the Accelerator Hypothesis: type 1 diabetes presents earlier in the fatter child. British Society for Paediatric Endocrinology & Diabetes (BSPED Annual Conference, Plymouth, 2002
14. Kirkby J *et al.* Gender differences in resting energy expenditure and their relationship to insulin resistance in children: the EarlyBird Study. British Society for Paediatric Endocrinology & Diabetes (BSPED) Annual Conference, Plymouth, 2002.
15. Jeffery AN *et al.* Maternal weight and blood glucose during pregnancy related to the metabolic status of mother and child 5 years later: the EarlyBird Study. British Society for Paediatric Endocrinology & Diabetes (BSPED) Annual Conference, Plymouth, 2002.
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44. Hosking J *et al.* Relationships between resting energy expenditure, adiponectin & changes in body composition of young children: EarlyBird Diabetes Study. International Diabetes Federation (IDF) Cape Town 2006.
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46. Gardner D *et al.* Impact of early weight gain on insulin resistance in later childhood: a longitudinal study. Diabetes UK, Glasgow, 2007.
47. Jeffery AN *et al.* Visceral fat is not an independent predictor of insulin resistance in children, Diabetes UK, Glasgow, 2007.
48. Metcalf BS *et al.* The associations between objectively measured physical activity and novel cardio-diabetic risk factors in pre-pubertal children: a longitudinal study. European Congress on Obesity (ECO), Budapest, 2007.
49. Hosking J *et al.* Insulin resistance is associated with elevated resting energy expenditure in pre-pubertal children: a longitudinal study. 2<sup>nd</sup> International Congress Prediabetes & Metabolic Syndrome. Barcelona 2007.
50. Gardner D *et al.* Impact of early weight gain on insulin resistance in later childhood: a longitudinal study. American Diabetes Association (ADA), Chicago 2007.
51. Metcalf BS *et al.* Hosking J, Jeffery AN, Voss LD, Wilkin TJ. Cause and effect in the relationship between body fat and physical activity in children: a longitudinal study. European Congress on obesity (ECO). Geneva, 2008.
52. Elena Perez-Pastor *et al.* Assortative weight gain in mother-daughter and father-son pairs: a prospective study. European Congress on obesity (ECO). Geneva, 2008.
53. Voss LD *et al.* Risk of type 2 diabetes affects all socio-economic groups in an urbanised population: a prospective childhood study. International Society for Pediatric & Adolescent Diabetes (ISPAD) Durban 2008.
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60. Wilkin TJ. *et al.* Trends in beta cell function among children who develop impaired fasting glucose – an eight-year longitudinal study. American Diabetes Association (ADA), Orlando, 2010.
61. Wilkin TJ *et al.* Let's move it. OK, but the parents or the children? Prediabetes & Metabolic Syndrome, Madrid 2011.
62. Voss LD *et al.* Pointers to childhood obesity from a longitudinal study. Prediabetes & Metabolic Syndrome, Madrid 2011.
63. Jeffery AN *et al.* Insulin resistance rises from mid-childhood before the onset of puberty. Longitudinal data from EarlyBird. Prediabetes & Metabolic Syndrome, Madrid, 2011.
64. Streeter A *et al.* The relationship between pubertal tempo and body fat: a 7-yr longitudinal study. European Congress on Obesity (ECO). Lyon 2012.
65. Hosking J *et al.* Evidence of early beta cell deficiency in children who show impaired fasting glucose – a 10yr longitudinal study. American Diabetes Association (ADA), Philadelphia, 2012.

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**Peer Reviewed Poster Presentations - Scientific Meetings**

***A total of 156 posters have been presented to date including:***

American Diabetes Association (26)  
Association of Clinical Biochemists (4)  
Diabetes UK (27)  
British Society for Paediatric Endocrinology & Diabetes (5)  
European Association for the Study of Diabetes (23)  
European Congress on Obesity (23)  
European Society for Pediatric Endocrinology (2)  
European Youth Heart Association  
International Congress on Obesity (3)  
International Society for Pediatric & Adolescent Diabetes (17)  
International Diabetes Federation (9)  
Pre-Diabetes & Metabolic Syndrome (13)  
Royal College of Nursing