



Universiteit
Leiden
The Netherlands

Genetic disorders in the growth hormone-IGF-I axis

Walenkamp, M.J.E.

Citation

Walenkamp, M. J. E. (2007, November 8). *Genetic disorders in the growth hormone-IGF-I axis*. Retrieved from <https://hdl.handle.net/1887/12422>

Version: Corrected Publisher's Version

License: [Licence agreement concerning inclusion of doctoral thesis in the Institutional Repository of the University of Leiden](#)

Downloaded from: <https://hdl.handle.net/1887/12422>

Note: To cite this publication please use the final published version (if applicable).

Curriculum vitae

The author of this thesis was born on August 31st 1966 in Haarlem, the Netherlands. She attended secondary school at “College Blaucapel” in Utrecht and passed her gymnasium β exam in 1984. From 1984 to 1993 she studied Medicine at the State University Utrecht. In 1993 she obtained her medical degree. During her study she spent 6 months at the University of Minnesota, USA, performing a research project on selective deficient immune response in children with recurrent upper airway infections (head: Prof. dr. S. Giebink). After one year as pediatric resident (AGNIO) in the “Antonius Ziekenhuis” in Nieuwegein she started her Pediatric training at the department of Pediatrics in the Leiden University Medical Center (Head: prof.dr. J.M. Wit) and “Juliana Children’s Hospital” in the Hague (Head: prof.dr. A.J. van der Heijden). From 2000-2004 she was a fellow pediatric endocrinology at the Leiden University Medical Center (Head: prof. dr. J.M. Wit). During this period she started her research project on genetic disorders in the GH-IGF-I axis which resulted in this thesis and the establishment of the Leiden Growth Genetics Working group. At this moment she is working as a pediatric endocrinologist at the department of pediatrics of the Leiden University Medical Center and she is involved in the implementation of the new training program for pediatric residents.

List of publications

1. Wit JM, Drayer NM, Jansen M, *Walenkamp MJE*, Hackeng WH, Thijssen JH, Van den Brande JL. Total deficiency of growth hormone and prolactin, and partial deficiency of thyroid stimulating hormone in two Dutch families: a new variant of hereditary pituitary deficiency. *Horm Res* 1989;32(5-6):170-177.
2. van der Ent CK, *Walenkamp MJE*, Donckerwolcke RA, van der Laag J, van Diemen-Steen-voorde R. Pulmonary hemosiderosis and immune complex glomerulonephritis. *Clin Nephrol* 1995;43(5):339-341.
3. *Walenkamp MJE*, Stokvis-Brantsma WH, Kist-van Holthe JE, ten Have LC, Wit JM. Zout-verlies en hyperkaliëmie bij een pasgeborene. *Tijdschr Kindergeneeskd* 2002;70(4):159-164.
4. *Walenkamp MJE*, Wit JM. Puzzling short stature. *Highlights* 2002;10:13.
5. Niewenweg R, Smit ML, *Walenkamp MJE*, Wit JM. Adult height corrected for shrinking and secular trend. *Ann Hum Biol* 2003;30(5):563-569.
6. *Walenkamp MJE*. Klinische en biochemische kenmerken van een 55-jarige man met een homozygote missense mutatie van IGF-I, en van zijn heterozygote familieleden. *Groei-hormoon Journaal* 2003:3.
7. Bakker B, Oostdijk W, Bresters D, *Walenkamp MJE*, Vossen JM, Wit JM. Disturbances of growth and endocrine function after busulphan-based conditioning for haematopoi-etic stem cell transplantation during infancy and childhood. *Bone Marrow Transplant* 2004;33(10):1049-1056.
8. *Walenkamp MJE*. Molecular biology for the Endocrinologist. *Groeihormoon Journaal* 2004:1.
9. *Walenkamp MJE*, Wit JM. Gigantism: Excess of Growth Hormone. In: Martini L, editor. *Encyclopedia of Endocrine Diseases*. Elsevier, 2004: 162-167.
10. Denley A, Wang CC, McNeil KA, *Walenkamp MJE*, van Duyvenvoorde H, Wit JM, Wallace JC, Norton RS, Karperien M, Forbes BE. Structural and functional characteristics of the Val44Met insulin-like growth factor I missense mutation: correlation with effects on growth and development. *Mol Endocrinol* 2005;19(3):711-721.
11. Savage MO, Camacho-Hübner C, *Walenkamp MJE*, Metherell LA, David A, Pereira AM, Denley A, Clark AJL, Wit JM. IGF-I deficiency: lessons from human mutations. *Deci-phering Growth. Research and Perspectives in Endocrine Interactions*. Springer-Verlag, 2005: 95-105.
12. Wit JM, *Walenkamp MJE*, Oostdijk W, Kant SG. *Genetica van de groei: stoornissen in de GH-IGF-I as*. Nascholingscursus kindergeneeskunde Davos 2005.

13. Kant SG, Wit JM, *Walenkamp MJE*, Oostdijk W. namens de Werkgroep Genetica van Groei LUMC. Nieuwe ontwikkelingen in de moleculaire diagnostiek van kleine lengte. Regionale Nascholing Leiden/Den Haag, 21 juni 2005.
14. *Walenkamp MJE*, Karperien M, Pereira AM, Wit JM. Primary insulin-like growth factor-I deficiency. Proceedings 2005. GH and Growth Factors in Endocrinology and Metabolism: 123-127.
15. *Walenkamp MJE*, Karperien M, Pereira AM, Hilhorst-Hofstee Y, Van Doorn J, Chen JW, Mohan S, Denley A, Forbes B, van Duyvenvoorde HA, van Thiel SW, Sluimers CA, Bax JJ, de Laat JA, Breuning MB, Romijn JA, Wit JM. Homozygous and heterozygous expression of a novel insulin-like growth factor-I mutation. *J Clin Endocrinol Metab* 2005;90(5):2855-2864.
16. Wit JM, Finken MJ, Rijken M, *Walenkamp MJE*, Oostdijk W, Veen S. Confusion around the definition of small for gestational age. *Pediatr Endocrinol Rev* 2005; 3(1):52-53
17. *Walenkamp MJE*, Van der Kamp HJ, Pereira AM, Kant SG, van Duyvenvoorde HA, Kruithof MF, Breuning MH, Romijn JA, Karperien M, Wit JM. A variable degree of intra-uterine and postnatal growth retardation in a family with a missense mutation in the insulin-like growth factor I receptor. *J Clin Endocrinol Metab* 2006;91(8):3062-3070.
18. Vidarsdottir S*, *Walenkamp MJE**, Pereira AM, Karperien M, Van Doorn J, van Duyvenvoorde HA, White S, Breuning MH, Roelfsema F, Kruithof MF, van Dissel J, Janssen R, Wit JM, Romijn JA. 2006 Clinical and Biochemical Characteristics of a Male Patient with a Novel Homozygous STAT5b Mutation. *J Clin Endocrinol Metab* 2006;91(9):3482-3485 (*equal contribution).
19. *Walenkamp MJE*, Wit JM. Genetic Disorders in the Growth Hormone - Insulin-Like Growth Factor-I Axis. *Horm Res* 2006;66(5):221-230
20. Kant SG, Kriek M, *Walenkamp MJE*, Hansson K, van Rhijn A, Clayton-Smith J, Wit JM, Breuning MB. Tall stature and duplication of the insulin-like growth factor I receptor gene. *Eur J Med Genetics*, 2007;50(1):1-10
21. *Walenkamp MJE*, Vidarsdottir S, Pereira AM, Karperien M, Van Doorn J, van Duyvenvoorde HA, Breuning MH, Roelfsema F, Kruithof MF, van Dissel J, Janssen R, Wit JM, Romijn JA. Growth hormone secretion and immunological function of a male patient with a homozygous STAT5b mutation. *Eur J of Endocrinol* 2007;156(2):1-12.
22. *Walenkamp MJE*, Wit JM. Genetic disorders in the GH - IGF-I axis in mouse and man. *Eur J Endocrinol* 2007;157(suppl 1):S15-S26.

