

Summary

Christel is trained as a clinical psychologist at the Brussels Free University (Belgium). She has a PhD in psychology, awarded by Royal Holloway University of London, for her research on the psychological impact of screening for type 1 diabetes. Christel has been actively involved in both the clinical care of people with diabetes and research throughout her career. After her PhD, Christel joined the diabetes team of the Diabetes Clinic at the Brussels University Hospital, counselling adults with diabetes and people with obesity or eating disorders. She coordinated international research programs on novel treatments for type 1 diabetes at the Diabetes Research Centre (Free University Brussels). This work experience has raised her interest in the topics of her research today:

- the psychological antecedents and consequences of hypoglycaemia
- people with type 1 diabetes perceptions of novel treatments and technologies.

In addition to her research, Christel is actively involved in training health professionals in how to address the emotional aspects of living with diabetes. She is the first author of 'Diabetes and emotional health: A handbook for health professionals supporting adults with type 1 or type 2 diabetes' funded by the National Diabetes Services Scheme (2012-2016).

Professional recognition

- 2016** Inaugural Team Award for Excellence and Innovation in Public Health Research, Council of Academic Public Health Institutions of Australia
- 2014** Deakin University Vice Chancellor's Award for Outstanding Contribution to Partnerships

Peer-reviewed publications

Hendrieckx C, Poole LA, Sharifi A, Jayawardene D, Loh MM, Horsburgh JC, Bach LA, Colman PG, Kumareswaran K, Jenkins AJ, MacIsaac RJ, Ward GM, Grosman B, Roy A, O'Neal DN, Speight J. (2017) 'It is definitely a game changer': a qualitative study of experiences with in-home overnight closed-loop technology among adults with type 1 diabetes. *Diabetes Technology & Therapeutics* (in press; accepted 14 March 17).

Hilliard M, Hagger V, **Hendrieckx C**, Anderson B, Trawley S, Jack M, Pouwer F, Skinner T, Speight J. (2017) Strengths, Risk Factors, and Resilient Outcomes in Adolescents with Type 1 Diabetes: Results from Diabetes MILES Youth – Australia. *Diabetes Care* (in press; accepted 27 Mar 17).

Browne J, Holmes-Truscott E, Ventura A, **Hendrieckx C**, Pouwer F, Speight J. (2017) Cohort profiles of the cross-sectional and prospective participant groups in the second Diabetes MILES - Australia (MILES-2) study. *BMJ Open*, 7:e012926. doi: 10.1136/bmjopen-2016-012926.

Hendrieckx C, Hagger V, Jenkins A, Skinner TC, Pouwer F, Speight J. (2016) Severe hypoglycemia, impaired awareness of hypoglycemia and self-monitoring in adults with type 1 diabetes: Results of the Diabetes MILES – Australia. *Journal of Diabetes and its Complications*, 31(3), 577-582.

Hagger V, Trawley S, **Hendrieckx C**, Browne JL, Cameron F, Pouwer F, Skinner TC, Speight J. (2016) Diabetes MILES Youth – Australia: methods and sample characteristics of a national survey of the psychological aspects of living with type 1 diabetes in Australian youth and their parents. *BMC Psychology*, 4: 42 doi: 10.1186/s40359-016-0149-9.

Hagger V, **Hendrieckx C**, Sturt J, Skinner T, Speight J (2016) Diabetes distress among adolescents with type 1 diabetes: a systematic review. *Current Diabetes Reports*, 16:9, doi: 10.1007/s11892-015-0694-2.

Sharifi A, De Bock MI, Jayawardene D, Loh MM, Horsburgh JC, Berthold CL, Paramalingam N, Bach LA, Colman PG, Davis EA, Grosman B, **Hendrieckx C**, Jenkins AJ, Kumareswaran K, Kurtz N, Kyoong A, MacIsaac RJ, Speight J, Trawley S, Ward GM, Roy A, Jones TW, O'Neal DN. (2016) Glycemia, Treatment Satisfaction, Cognition, and Sleep Quality in Adults and Adolescents with Type 1 Diabetes When Using a Closed-Loop System Overnight Versus Sensor-Augmented Pump with Low-Glucose Suspend Function: A Randomized Crossover Study. *Diabetes Technology & Therapeutics*. 18(12):149-161

Trawley S, Browne JL, Hagger VL, **Hendrieckx C**, Holmes-Truscott E, Pouwer F, Skinner TC, Speight J. (2016). The Use of Mobile Applications Among Adolescents with Type 1 Diabetes: results from Diabetes MILES Youth-Australia. *Diabetes Technology & Therapeutics*, 18(12):772-783

Speight J, Holmes-Truscott E, Harvey DM, **Hendrieckx C**, Hagger VL, Harris SE, Knight BA McIntyre HD. (2016) Structured type 1 diabetes education delivered in routine care in Australia reduces diabetes-related emergencies and severe diabetes-related distress: the OzDAFNE program. *Diabetes Research and Clinical Practice*, 112:65-72.

Hagger V, Trawley S, **Hendrieckx C**, Browne J, Cameron F, Pouwer F, Skinner TC, Speight J. (2016) Diabetes MILES Youth - Australia: methods and sample characteristics of a national survey of the psychological aspects of living with type 1 diabetes in Australian youth and their parents. *BMC Psychology*, 4(42).

Nefs G, Bevelander S, **Hendrieckx C**, Bot M, Ruige J, Speight J, Pouwer F. (2015) Fear of hypoglycaemia in adults with Type 1 diabetes: results from Diabetes MILES – The Netherlands, *Diabetic Medicine*, 32(10): 1289-1296, DOI: 10.1111/dme.12739.
Halliday J, **Hendrieckx C**, Beeney L, Speight J. (2015) Prioritisation of psychological well-being in the care of diabetes: Moving beyond excuses, bringing solutions. *Diabetic Medicine*, 32(10): 1393-1394.

Tak SR, **Hendrieckx C**, Nefs G, Nyklíček I, Speight J, Pouwer F. (2015) The association between types of eating behaviour and dispositional mindfulness in adults with diabetes. Results from Diabetes MILES. The Netherlands. *Appetite*, 87: 288-295. doi:10.1016/j.appet.2015.01.006.

Hendrieckx C, Halliday JA, Bowden JP, Colman PG, Cohen N, Jenkins A, Speight. (2014) Severe hypoglycaemia and its association with psychological well-being in Australian adults with type 1 diabetes attending specialist tertiary clinics. *Diabetes Research and Clinical Practice*, 103 (3): 430-436.

Singh H, Murphy HR, **Hendrieckx C**, Ritterband L, Speight J. (2013) The challenges and future considerations regarding pregnancy-related outcomes in women with pre-existing diabetes. *Current Diabetes Reports*, 13 (6): 869-876.

Rasmussen B, **Hendrieckx C**, Clarke B, Botti M, Dunning T, Jenkins A, Speight J. (2013) Psychosocial issues of women with type 1 diabetes transitioning to motherhood: A structured literature review. *BMC Pregnancy and Childbirth*, 13, art. no. 218.

Rasmussen B, **Hendrieckx C**, Dunning T, Botti M, Speight J. (2013) Transition to motherhood in type 1 diabetes: design of the pregnancy and postnatal well-being in transition questionnaires. *BMC Pregnancy and Childbirth* 13(1): 54. doi:10.1186/1471-2393-13-218.

Browne JL, **Hendrieckx C**, Speight J. (2012) Re: Meta-analysis of individual patient data in randomised trials of self monitoring of blood glucose in people with non-insulin treated type 2 diabetes. *BMJ*. 8 March, rapid response: <http://www.bmj.com/content/344/bmj.e486?tab=responses>.

Speight J, Browne JL, Holmes-Truscott E, **Hendrieckx C**, Pouwer F. (2011) Diabetes MILES – Australia (Management and Impact for Long-term Empowerment and Success) Study: Methods and sample characteristics of a national survey of the psychological aspects of living with type 1 or type 2 diabetes in Australian adults. *BMC Public Health*. 2012 Feb 12;12(1):120.

Projects/grants

- Diabetes MILES (Management and Impact for Long-term Empowerment and Success) Study (2011 and MILES-2 in 2015) and Diabetes MILES youth (2014); national and international surveys, co-led by Prof Jane Speight and Prof Frans Pouwer (Denmark)
- Evaluation of the efficacy and cost-effectiveness of long-term hybrid closed loop insulin delivery in improving glycaemia, psychosocial wellbeing, sleep quality, cognition, and biochemical markers of vascular risk in adults with type 1 diabetes compared with standard care coordinated by A/Prof David O'Neal (Melbourne University – St Vincent Hospital Melbourne)