

### PERSONAL INFORMATION **Carola de Beaufort**

#### WORK EXPERIENCE

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- May 1982-July 1986 **research fellow/resident paediatrics**  
Sophia Kinderziekenhuis (Netherlands)  
PhD pump treatment in children with diabetes
- September 1986-December 1991 **resident pediatrics**  
CHL (Luxembourg)  
part time resident in general pediatrics
- January 1992-July 1993 **resident pediatrics**  
AZM (Netherlands)  
general pediatrics
- January 1995- Present **consultant pediatric diabetes and endocrinology**  
CHL (Luxembourg)  
pediatric diabetes and endocrinology Clinical and ambulatory care
- May 2011-May 2016 **clinical researcher**  
university of luxembourg (Luxembourg)  
Diabetes projects  
micro biome related project - COSMIC- MUST
- January 2015-September 2021 **guest professor**  
UZ Brussels (Belgium)  
New technology in paediatric diabetes mellitus

#### EDUCATION AND TRAINING

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- September 1995-March 1999 **pediatric endocrinologist**  
Nederlandse vereniging voor Kindergeneeskunde (Netherlands)  
Consultant in pediatric endocrinology and diabetes
- May 1982-February 1986 **PhD**  
Erasmus university (Netherlands)  
pediatric diabetes ,  
technology
- August 2018- Present **EFGCP certificate**  
LIH /EFGCP (Luxembourg)  
advanced GCP
- August 2020- Present **GCP- online**  
online (Luxembourg)  
GCP

#### ADDITIONAL INFORMATION

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Expertise Diabetes  
Endocrinology  
Pediatrics

Publications PUBLICATIONS

- 1 De Beaufort CE, Bruining GJ, Aarsen RSR, den Boer NC, Grose WFA (1985) Does CSII prolong the remission phase of insulin dependent diabetic patients? *Neth J Med* 28, suppl 1:53-4
- 2 De Beaufort CE, Bruining GJ, Home PD; Houtzagers CMGJ, van Strik (1986) Overnight metabolic profiles in children under 6 years of age. *Eur J Pediatr* 145:73-76
- 3 Bruining GJ, de Beaufort CE, Houtzagers CMGJ (1986) Schedule on self bloodglucose monitoring in children under 6 years of age. *Pediatr&Adolescent Endocrinology* 15, Eds Karger, Basel
- 4 De Beaufort CE, Bruining GJ, Aarsen RSR, den Boer NC, Grose WFA, van Strik R (1986) The influence of continuous subcutaneous insulin infusion on the remission period in IDDM. *Pediatr&Adolescent Endocrinology* 15, Eds Karger, Basel
- 5 Ludvigsson J, Samuelson U, de Beaufort CE, Deschamps I, François R, Herz G, New M, Orchard T, Schober E. (1986) HLA Dr3 is associated with a more slowly progressive form of IDDM. *Diabetologia* 29 :207-210
- 6 Baekkeskov S, Kristensen JK, Landin M, Srikanta S, Bruining GJ, Poulsen TM, de Beaufort CE, Soeldner JS, Eisenbarth G, Lindgren F, Sunquist G, Lernmark A (1987) Antibodies to a 64.000Mr human islet cell antigen precede the clinical onset of insulin dependent diabetes. *J Clin Invest* 79: 926-934
- 7 De Beaufort CE, Bruining GJ (1987) Continuous subcutaneous insulin infusion in children : a review. *Diabetic Medicine* 4 : 103-110
- 8 Heimans FW, Bertlesmann FW, de Beaufort CE, de Beaufort AJ, Faber YA, Bruining GJ (1987) Quantitative sensory discrimination in diabetic children: assessment of thermal discrimination. *Diabetic Medicine* 4: 251-53
- 9 De Beaufort CE, den Boer NC, Bruining GJ, Eilers GAM, van Strik R, Weterings T (1988) Urinary C-peptide : a useful tool to evaluate the endogenous insulin reserve in cohort and longitudinal studies of diabetes in childhood. *Ann Clin Biochem* 25:552-559
- 10 De Beaufort CE, Binder C, Bruining GJ, den Boer NC, van Strik R (1988) Insulin antibodies in diabetic children before treatment: a marker for islet B cell destruction? *Diabetic Medicine* 5: 441-3
- 11 De Beaufort CE, Michel G, Glaesener G (1988) The incidence of type 1 (insulin dependent) diabetes mellitus in subjects 0-19 years in Luxembourg : a retrospective study from 1977 to 1986 *Diabetologia* 31: 758-761
- 12 De Beaufort CE, Andre JL, Heimans JJ, van der Eerden HAM, van Diemen MGJ, Duc ML, Pierson M (1989). Quantitative determination of peripheral nerve function in children with end-stage renal failure. *Pediatric Nephrology* 238 :175-178
- 13 De Beaufort CE, Houtzagers CMGJ, Bruining GJ, Aarsen RSR, den Boer NC, Grose WFA, van Strik R, de Visser JJ (1989) Continuous subcutaneous insulin infusion (CSII) versus conventional insulin injection therapy in newly diagnosed diabetic children : a randomised prospective trial. *Diabetic Medicine* 6:766-771
- 14 Van Wirdum E, van Best J, Bruining GJ, de Beaufort C, Oosterhuis J (1989) Blood-retinal and blood-aqueous barrier permeability, lens autofluorescence and transmission in insulin-dependent diabetic youngsters. *Graefes Arch Clin Exp Ophthalmol.*;227(1):26-9.
- 15 Slijper F, de Beaufort, Bruining GJ, de Visser JJ, Aarsen RSSR, Kicken D, van Strik R (1990) Psychological impact of continuous subcutaneous insulin infusion pump therapy in non-selected newly diagnosed insulin dependent (type 1) diabetic children evaluation after two years of therapy. *Diabète et Métabolisme* 16 : 273-277
- 16 WHO Multinational project for childhood diabetes (1990) WHO Diamond project group. *Diabetes Care* 13:1062-1068
- 17 The epidemiology and immunogenetics of IDDM in Italian-heritage populations. *Diabetes Epidemiology Research International (DERI) Study Group.* Colle E, Lounamaa R, Tuomilehto J, De

- Beaufort C , Balzano E, Bruno G, Cacciari E, Cerutti F, Chiarelli F, Chiumello G, et al  
Diabetes/Metab Rev 1990 : 6: 63-69
- 18 Kuglin B, Kolb H, Greenbaum C, Maclaren N, Lernmark A, palmer JP on behalf of the immunology and diabetes workshops and participating laboratories (1990) The fourth international workshop on standardization of insulin autoantibody measurement. Diabetologia 33: 638-639
- 19 Levy-Marchal C, Papoz L, de Beaufort C, Doutreix J, Froment V, Voirin J, Collignon A, Garros B, Schleret Y, Czernichow P (1990) Incidence of juvenile type 1 (insulin dependent) diabetes mellitus in France. Diabetologia 33: 465-469
- 20 Levy-Marchal C, Papoz L, de Beaufort C, Doutreix J, Froment V, Voirin J, Czernichow P (1991) Incidence du diabète insulino-dépendant , survenant avant l'âge de 20 ans en France. Pédiatrie 46 :367-371
- 21 De Beaufort CE, Michel G, Haas N, Wirion R, Glaesener G (1991) Utilisation de médicaments anti-diabétiques au Grand Duché de Luxembourg. Bull Soc Sc Med 2 :5-9
- 22 De Beaufort CE, Cecchi-Tenerini R, Clerc R, Hilaire M, Schwartz F, Manciaux M (1991). Prévalence du diabète insulino-dépendant chez les enfants scolarisés de 6 a 16 ans en Lorraine. Lettre à l'éditeur. Archives Françaises de Pédiatrie 48 : 227-228
- 23 Levy-Marchal C, Papoz L, de Beaufort C, Doutreix J, Froment V, Voirin J, Czernichow P (1992) Clinical and laboratory features of type 1 diabetic children at the time of diagnosis. Diabetic Medicine 9: 279-284
- 24 Greenbaum CJ, Palmer J P, Kuglin B, Kolb H, and participating laboratories. (1992) Insulin autoantibodies measured by radio immunoassay methodology are more related to insulin dependent diabetes than those measured by enzyme-linked immunosorbent assay : results of the fourth workshop on the standardisation of insulin autoantibody measurement. J Clin Endocrin & Metabolism 74: 1040-1044
- 25 De Beaufort CE (1992) Nicotinamid. Diabetes, prevention and therapy 6 : 17
- 26 Green A, Gale EA, Patterson CC (1992) Incidence of childhood-onset insulin-dependent diabetes mellitus: the EURODIAB ACE Study. Lancet.339(8798):905-9.
- 27 De Beaufort CE, Sodoyez JC, Koch M, Bruining GJ, Sodoyez-Goffaux P (1993). Insulin autoantibodies and immune response to human insulin therapy in 24 type 1 (insulin-dependent) diabetic children: superiority of radio binding assay over solid phase assay. Diabetes Res Clin Pract. 1993 :21(1):19-24.
- 28 Papoz L and the Eurodiab Subarea C study group.(1993) Utilization of drug sales data for the epidemiology of chronic diseases: the example of diabetes. Epidemiology 4:421-426
- 29 Karvonen M, Tuomilehto J, Libman J, LaParte R for the World Health organisation DIAMOND Project Group (1993). A review of the recent epidemiological data on the worldwide incidence of type 1 (insulin dependent) diabetes mellitus Diabetologia 36:883-92
- 30 Hentges FR, Hoffmann A, Thill R, Michel G, de Beaufort CE, Wirion R, Glaesener G.(1994) MHC-genotyping of IDDM patients in Luxembourg. Evidence for a pediatric patient subgroup. Bull Soc Sci Med Grand Duché Luxemb. 1996;133(1):5-12.
- 31 Batstra MR, Pina M, Quan J, Mulder P, de Beaufort CE, Bruining GJ, Aanstoot HJ (1997). Fluctuations in GAD65 antibodies after clinical diagnosis of IDDM in young children. Diabetes Care. 20(4):642-4.
- 32 De Beaufort CE (1998) Hypoglycemia during intensified insulin therapy of young children. J Pediatr Endocrinol Metab. Mar;11 Suppl 1:153-8. Review.
- 33 The Eurodiab ACE study group and the Eurodiab Ace substudy 2 study group (1998) familial risk of type 1 diabetes in European children. Diabetologia 41: 1151-1156
- 34 Dahlquist GG, Patterson C, Soltesz G (1999) Perinatal risk factors for childhood type 1 diabetes in Europe. The EURODIAB Substudy 2 Study Group. Diabetes Care 1999;22(10):1698-702
- 35 The EURODIAB Substudy 2 Study Group Vitamin D supplement in early childhood and risk for Type I (insulin-dependent) diabetes mellitus.. Diabetologia 1999 : 42(1):51-55
- 36 The Eurodiab Substudy 2 study group. Infections and vaccinations as risk factors for childhood type1 (insulin dependent) diabetes mellitus: a multicentre case control investigation. Diabetologia 2000 43: 47 53

- 37 De Beaufort CE, Schneider F, Chafai R, Colette JM, Delneste D, Pierquin G (2000) Diaphragmatic hernia and Fryns syndrome phenotype in partial trisomy 22. Letter to the editor. *Genetic Counseling* 11(2) 181-2
- 38 EURODIAB ACE study group (2000). Variation and trends in incidence of childhood diabetes in Europe. *Lancet* 355: 873-876
- 39 Eurodiab Substudy 2 Study Group. Decreased prevalence of atopic diseases in children with diabetes. *J Pediatr* 2000;137: 470-474
- 40 Krteskva-Konstantinova, M, Charlier C, Craen M; De Caju M, Heinrichs C, de Beaufort C, Plomteux G, Bourguignon JP (2001) Sexual precocity after immigration from developing countries to Belgium : evidence of previous exposure to organochlorine pesticides. *Human Reproduction* 16 : 1020-1026
- 41 McKinney PA on behalf of the EURODIAB Seasonality of Birth group (2001) Seasonality of birth in patients with childhood type 1 diabetes in nineteen European regions. *Diabetologia* 44: suppl 3 : B67-B74
- 42 Hilger C, Grigioni F, de Beaufort C, Michel G , Freilinger J, Hentges F (2001) Differential binding of IgG and IgA antibodies to antigenic determinants of bovine serum albumin. *Clin Exp Immunol* 123: 387-394
- 43 Levy-Marchal C, Patterson CC, Green A on behalf of the Eurodiab ACA study group. (2001) Geographical variation of presentation at diagnosis of type 1 diabetes in children : the EURODIAB Study . *Diabetologia* 44 Suppl3 B75-B80
- 44 Green A, Patterson CC on behalf of the EURODIAB TIGER Study Group. (2001) Trends in the incidence of childhood onset diabetes in Europe. 1989-1998 *Diabetologia* 44 suppl 3 : B3-B8
- 45 Patterson CC, Dahlquist G, Soltesz G, Green A on behalf of the EURODIAB ACE Study group (2001) Is childhood onset type 1 diabetes a wealth-related disease. An ecological analysis of European incidence rates. *Diabetologia* 44 Suppl : B 9 B16
- 46 Ronningen KS, Keiding N, Green A on behalf of Genomic marker contributors and the EURODIAB ACE study group. (2001) Correlations between the incidence of childhood onset type 1 diabetes in Europe and HLA genotypes. *Diabetologia* 44 suppl 3 B51-B59
- 47 Carine E de Beaufort, Antti Reunanen, Veena Raleigh, Fred Storms, Line Kleinebreil, Rosa Gallego, Carlo Giorda , Kristian Midthjell, Michael Jecht, Ivo de Leeuw, Edith Schober, Gerald Boran, Georges Tolis. (2003) *European Union Diabetes Indicators : fact or fiction? EJPH* 2003 Sep;13(3 Suppl):51-4.
- 48 Perquin M, Michel GH, de Beaufort C, Keipes M, Wirion R, Haas N. Changes in diabetes prevalence and treatment in the last ten years in Luxembourg. A lesson from the United Kingdom prospective diabetes study? *Diabetes Metab.* 2005 Nov;31(5):499-
- 49 Nielsen LB, Mortensen HB, Chiarelli F, Holl R, Swift P, de Beaufort C, Pociot F, Hougaard P, Gammeltoft S, Knip M, Hansen L; Hvidore Study Group. Impact of IDDM2 on disease pathogenesis and progression in children with newly diagnosed type 1 diabetes: reduced insulin antibody titres and preserved beta cell function. *Diabetologia.* 2005 Nov 23;:1-4 502.
- 50 Danne T, Battelino T, Kordonouri O, Hanas R, Klinkert C, Ludvigsson J, Barrio R, Aebi C, Gschwend S, Mullis P, Schumacher U, Schwitzgebel V, Zumsteg U, Morandi A, Rabbone I, Cherubini V, Toni S, de Beaufort C, Hindmarsh P, Sumner A, van Waarde WM, van den Berg N, Phillip M. (2005) A cross-sectional international survey of continuous subcutaneous insulin infusion (CSII) in 377 children and adolescents with type 1 diabetes mellitus from 10 countries. *Pediatric Diabetes* :6 : 193-198.
- 51 de Beaufort C, Beck P, Seligmann R, de Meirleir L, de Schepper J. Acute pancreatitis after growth hormone treatment: disease or treatment linked? *Eur J Pediatr.* 2006 Sep;165(9):652-3. Epub 2006 May 12. No abstract available.
- 52 Sagen JV, Odili S, Bjorkhaug L, Zelent D, Buettger C, Kwagh J, Stanley C, Dahl-Jorgensen K, de Beaufort C, Bell GI, Han Y, Grimsby J, Taub R, Molven A, Sovik O, Njolstad PR, Matschinsky FM.
- From clinicogenetic studies of maturity-onset diabetes of the young to unraveling complex mechanisms of glucokinase regulation. *Diabetes.* 2006 Jun;55(6):1713-2

- 53 De Beaufort C, Swift P. Support for young people with diabetes. *BMJ*. 2006 Jul 8;333(7558):55-6. No abstract available
- 54 Perquin M, Keipes M, Wirion R, Haas N, de Beaufort CE, Michel GH. [Development of the medical treatment of diabetes in Luxembourg] *Bull Soc Sci Med Grand Duche Luxemb*. 2006;(1):29-35. French
- 55 Vits L, Beckers D, Craen M, de Beaufort C, Vanfleteren E, Dahan K, Nollet A, Vanhaverbeke G, Imschoot SV, Bourguignon JP, Beauloye V, Storm K, Massa G, Giri M, Nobels F, De Schepper J, Rooman R, Van den Bruel A, Mathieu C, Wuyts W. Identification of novel and recurrent glucokinase mutations in Belgian and Luxembourg maturity onset diabetes of the young patients. *Clin Genet*. 2006 Oct;70(4):355-9. No abstract available.
- 56 The Diamond Project Group. Incidence and trends of Childhood Type 1 diabetes worldwide 1990-1999 *Diabetic Medicine* 2006
- 57 K Lagrou , J Vanderfaellie, C Froidecoeur, M Thomas, G Massa, S Tenoutasse, M Craen, MC Lebrethon, D Beckers, I Francois, M Maes, R Rooman, G Thiry-Counson, C de Beaufort, J De Schepper Effect of 2 years of high-dose growth hormone therapy on cognitive and psychosocial development in short children born small for gestational age. *Eur J Endocrinol*. 2007 Feb;156(2):195-201
- 58 Phillip M, Battelino T, Rodriguez H, Danne T, Kaufman F; Use of insulin pump therapy in the pediatric age-group: consensus statement from the European Society for Paediatric Endocrinology, the Lawson Wilkins Pediatric Endocrine Society, and the International Society for Pediatric and Adolescent Diabetes, endorsed by the American Diabetes Association and the European Association for the Study of Diabetes. *European Society for Paediatric Endocrinology; Lawson Wilkins Pediatric Endocrine Society; International Society for Pediatric and Adolescent Diabetes; American Diabetes Association; European Association for the Study of Diabetes* . *Diabetes Care*. 2007 Jun;30(6):1653-
- 59 Lotte B Nielsen, Kenneth B Plough, Peter Swift, Cathrine Ørskov, Francesco Chiarelli, Jens J Holst, Philip Hougaard, Sven Pörksen, Reinhard Holl, Carine de Beaufort, Steen Gammeltoft, Patrik Rorsman, Henrik B Mortensen, Lars Hansen ON BEHALF OF THE HVIDØRE STUDY GROUP Co-localization of the Kir6.2/SUR1 channel complex with GLP-1 and GIP expression in human ileal cells and implications for glycaemic control in new onset type 1 diabetes. *Eur J Endocrinol* 2007 :156 (6): 663-71.
- 60 de Beaufort CE, Swift PG, Skinner CT, Aanstoot HJ, Aman J, Cameron F, Martul P, Chiarelli F, Daneman D, Danne T, Dorchy H, Hoey H, Kaprio EA, Kaufman F, Kocova M, Mortensen HB, Njølstad PR, Phillip M, Robertson KJ, Schoenle EJ, Urakami T, Vanelli M; Hvidoere Study Group on Childhood Diabetes 2005. The Hvidoere Study Group on childhood Diabetes. Continuing Stability of Center Differences in Pediatric. *Diabetes Care: do advances in diabetes treatment improve outcome? Diabetes Care* 2007 30 (9..)
- 61 Lagrou , J Vanderfaellie, C Froidecoeur, M Thomas, G Massa, S Tenoutasse, M Craen, MC Lebrethon, D Beckers, I Francois, M Maes, R Rooman, G Thiry-Counson, C de Beaufort, J De Schepper. Concerns, expectations and perception regarding stature, physical appearance and psychosocial functioning before and during growth hormone treatment of short pre-pubertal children born small for gestational age *Hormone Research* 2007
- 62 Hans K. Åkerblom, Mikael Knip, Dorothy Becker, Hans Michael Dosch, John Dupré, Jorma Ilonen, Jeffrey P. Krischer and \*the TRIGR Study Group. The TRIGR Trial: Testing the Potential Link between Weaning Diet and Type 1 Diabetes. *Immun., Endoc. & Metab. Agents in Med Chem.*, 2007;7:251-263.
- 63 Krischer J, \*the TRIGR Study Group. Study design of the Trial to Reduce IDDM in the Genetically Risk (TRIGR). *Pediatric Diabetes* 2007;8:117-137.
- 64 Anna Biason-Lauber , Daniel Konrad , Carine deBeaufort , Eugen J Schoenle Normal ovaries and female phenotype in a girl with a 46 XY karyotype and mutations in the polycomb human CBX2 GENE. Submitted to *Am J of Genetics* 2008 84 (5) 658-63

65 The Hvidoere Study Group on Childhood Diabetes Resources or targeting? The Hvidoere study group on childhood diabetes. Comment letter to the Editor Jan 2008-01-11

66 Chris R Cardwell PhD1, Lars C Stene PhD2, Geir Joner MD PhD3, Ondrej Cinek MD PhD4, Jannet Svensson MD5, Michael J Goldacre FFFHM6, Roger C Parslow PhD7, Paolo Pozzilli MD8, Girts Brigis MD PhD9, Denka Stoyanov (Highest qualification?)10, Brone Urbonaite MD PhD11, Sandra Sipetic MD12, Edith Schober MD13, Constantin Ionescu-Tirgoviste MD PhD14, Gabriele Devoti (Highest qualification?)15, Carine E de Beaufort MD PhD16, Chris C Patterson1 PhD.

Caesarean section is associated with an increased risk of childhood onset type 1 diabetes: A meta-analysis of observational studies (2008) *Diabetologia* 2008 1(5):726-35

67 Cameron F.J.1, Skinner T.C.2, de Beaufort C.E., 3, Hoey H.4, Swift P.G.F.5, Aanstoot H.6, Åman J.7, Martul P.8, Chiarelli F.9, Daneman D.10, Danne T.11, Dorchy H.12, Kaprio E.A.14, Kaufman F.15, Kocova M.16, Mortensen H.B.17, Njølstad P.R.18, Phillip M.19, Robertson K.J.20, Schoenle E.J.21, Urakami T.22, Vanelli M.23, Ackermann R.W.24, Skovlund S.E.24 for and on behalf of the Hvidoere Study Group on Childhood Diabetes (2008) Are family factors universally related to metabolic outcomes in adolescents with type 1 diabetes? *Diabetic Medicine* 2008 25(4):463-8

68 Åman J. (MD)1, Skinner T.C. (PhD)2, de Beaufort C. (MD)3, Swift P. (MD)4, Aanstoot H-J (MD)5, Cameron F.(MD)6, Martul P. (MD)7, Chiarelli F. (MD)8, Daneman D. (MD)9, Danne T. (MD)10, Dorchy H. (MD)11, Hoey H. (MD)12, Kaprio E.A. (MD)13, Kaufman, F. (MD) 14, Kocova, M (MD, PhD) 15, Mortensen H.B. (MD)16, Njølstad P.R. (MD, PhD)17, Phillip M. (MD)18, Robertson K.J. (MD)19, Schoenle E.J. (MD) 20, Urakami T. (MD)21, Vanelli M. (MD)22, Ackerman R.W. (MD)23, Skovlund S.E. (?PhD) 23 for and on behalf of the Hvidoere Study Group on Childhood Diabetes .Associations between physical activity, sedentary behaviour and glycemic control in a large cohort of adolescents with type 1 diabetes: The Hvidoere Study Group on Childhood Diabetes. 2009 *Pediatric Diabetes* 10 :234-9

69 Henrik B Mortensen1, Philip Hougaard2, Peter Swift3, Lars Hansen1,Reinhard .W. Holl 4, Hillary Hoey5, Helle Lynggaard 6, Henk J. Aanstoot 7, Hilde Bjoerndalen8, Carine de Beaufort 9, Francesco Chiarelli 10, Knut Dahl-Joergensen8, Thomas Danne 11, Rosa M. Tsou12, Patrick Garandeau 13, Mirjana Kocova 14, Pedro Martul 15, Nubuo Matsuura 16, Kenneth J. Robertson 17, Eugen J. Schoenle 18, Maurizio Vanelli 19, Jan Åman 20 on behalf of the Hvidoere Study Group on Childhood Diabetes A new definition of the partial remission phase in children and adolescents with type 1 diabetes. *Diabetes Care* 2009

70 Pflieger C, Kaas A, Hansen L, Alizadeh B, Hougaard P, Holl R, Kolb H, Roep BO, Mortensen HB, Schloot NC; Hvidøre Study Group On Childhood Diabetes. Relation of circulating concentrations of chemokine receptor CCR5 ligands to C-peptide, proinsulin and HbA1c and disease progression in type 1 diabetes. *Clin Immunol.* 2008 Jul;128(1):57-65.

71 Pflieger C, Mortensen HB, Hansen L, Herder C, Roep BO, Hoey H, Aanstoot HJ, Kocova M, Schloot NC; Hvidøre Study Group on Childhood Diabetes. Association of IL-1ra and adiponectin with C-peptide and remission in patients with type 1 diabetes. *Diabetes.* 2008 Apr;57(4):929-37.

72 Patterson CC, Dahlquist GG, Gyürüs E, Green A, Soltész G; EURODIAB Study Group. Incidence trends for childhood type 1 diabetes in Europe during 1989-2003 and predicted new cases 2005-20: a multicentre prospective registration study *Lancet.* 2009 13;373(9680):2027-33

73 Carine de Beaufort , Przemyslawa Jarosz-Chobot, Marcia Frank, Jennifer deBart, Grazyna Deja Transition from pediatric to adult diabetes care: Smooth or slippery? *Pediatric Diabetes* 2009

74 Phillip M, Danne T, Shalitin S, Buckingham B, Laffel L, Tamborlane W, Battelino T, for the Consensus Forum Participants. Use of continuous glucose monitoring in children and adolescents. *Pediatric Diabetes* 2012.

75 Cardwell CR, Svensson J, Waldhoer T, Ludvigsson J, Sadauskaite-Kuehne V, Roberts CL, Parslow RC, Wadsworth EJ, Brigis G, Urbonaite B, Schober E, Devoti G, Ionescu-Tirgoviste C, de Beaufort CE, Soltész G, Patterson CC. Interbirth Interval Is Associated With Childhood Type 1 Diabetes Risk.*Diabetes.* 2012. [

76 Kaas A, Max Andersen ML, Fredheim S, Hougaard P, Buschard K, Petersen JS, de Beaufort C,



- Robertson KJ, Hansen L, Mortensen HB, Nielsen LB; On behalf of The Hvidoere Study Group on childhood diabetes. Proinsulin, GLP-1, and glucagon are associated with partial remission in children and adolescents with newly diagnosed type 1 diabetes. *Pediatr Diabetes*. 2012 Feb;13(1):51-58.
- 77 Kusters DM, de Beaufort C, Widhalm K, Guardamagna O, Bratina N, Ose L, Wiegman A. Paediatric screening for hypercholesterolaemia in Europe. *Arch Dis Child*. 2012 Mar;97(3):272-6. Epub 2011 Sep 26.
- 78 Descamps OS, Tenoutasse S, Stephenne X, Gies I, Beauloye V, Lebrethon MC, De Beaufort C, De Waele K, Scheen A, Rietzschel E, Mangano A, Panier JP, Ducobu J, Langlois M, Balligand JL, Legat P, Blaton V, Muls E, Van Gaal L, Sokal E, Rومان R, Carpentier Y, De Backer G, Heller FR. Management of familial hypercholesterolemia in children and young adults: consensus paper developed by a panel of lipidologists, cardiologists, paediatricians, nutritionists, gastroenterologists, general practitioners and a patient organization. *Atherosclerosis*. 2011 Oct;218(2):272-80.
- 79 Hougaard P, de Beaufort C, Castaño L, Mortensen HB, Lernmark A, Hansen L; Hvidoere Study Group on Childhood Diabetes. Relationship between ZnT8Ab, the SLC30A8 gene and disease progression in children with newly diagnosed type 1 diabetes. *Autoimmunity*. 2011 Dec;44(8):616-23. Epub 2011 May 23.
- 80 Hanas R, de Beaufort C, Hoey H, Anderson B. Insulin delivery by injection in children and adolescents with diabetes. *Pediatr Diabetes*. 2011 Aug;12(5):518-26.
- 81 Nielsen LB, Pörksen S, Andersen ML, Fredheim S, Svensson J, Hougaard P, Vanelli M, Åman J, Mortensen HB, Hansen L; Hvidoere Study Group on Childhood Diabetes. The PTPN22 C1858T gene variant is associated with proinsulin in new-onset type 1 diabetes. *BMC Med Genet*. 2011 Mar 23;12:41.
- 82 Cardwell CR, Stene LC, Joner G, Bulsara MK, Cinek O, Rosenbauer J, Ludvigsson J, Svensson J, Goldacre MJ, Waldhoer T, Jarosz-Chobot P, Gimeno SG, Chuang LM, Roberts CL, Parslow RC, Wadsworth EJ, Chetwynd A, Brigis G, Urbonaite B, Sipetic S, Schober E, Devoti G, Ionescu-Tirgoviste C, de Beaufort CE, Stoyanov D, Buschard K, Radon K, Glatthaar C, Patterson CC. Birth order and childhood type 1 diabetes risk: a pooled analysis of 31 observational studies. *Int J Epidemiol*. 2011 Apr;40(2):363-74. Epub 2010 Dec 10. Review.
- 83 Conget I, Battelino T, Giménez M, Gough H, Castañeda J, Bolinder J; SWITCH Study Group. The SWITCH study (sensing with insulin pump therapy to control HbA(1c)): design and methods of a randomized controlled crossover trial on sensor-augmented insulin pump efficacy in type 1 diabetes suboptimally controlled with pump therapy. *Diabetes Technol Ther*. 2011 Jan;13(1):49-54
- 84 Kaas A, Pflieger C, Kharagjitsingh AV, Schloot NC, Hansen L, Buschard K, Koeleman BP, Roep BO, Mortensen HB, Alizadeh BZ; on behalf of the Hvidoere Study Group on Childhood Diabetes. Type 1 diabetes. Association between age, IL-10, IFN, stimulated C-peptide and disease progression in children with newly diagnosed Type 1 diabetes. *Diabet Med*. 2011 Dec 12. doi: 10.1111/j.1464-5491.2011.03544.
- 85 Nucci AM, Becker DJ, Virtanen SM, Cuthbertson D, Softness B, Huot C, Wasikowa R, Dosch HM, Akerblom HK, Knip M; The TRIGR Study Group. Growth differences between North American and European children at risk for type 1 diabetes. *Pediatr Diabetes*. 2012 Jan 17. doi: 10.1111/j.1399-5448.2011.00840.x. [Epub ahead of print]
- 86 Knip M, Virtanen SM, Becker D, Dupré J, Krischer JP, Åkerblom HK; TRIGR Study Group. Early feeding and risk of type 1 diabetes: experiences from the Trial to Reduce Insulin-dependent diabetes mellitus in the Genetically at Risk (TRIGR). *Am J Clin Nutr*. 2011 Dec;94(6 Suppl):1814S-1820S. Epub 2011 Jun 8. Review.
- 87 TRIGR Study Group, Akerblom HK, Krischer J, Virtanen SM, Berseth C, Becker D, Dupré J, Ilonen J, Trucco M, Savilahti E, Koski P, Pajakkala E, Fransiscus M, Lough G, Bradley B, Koski M, Knip M. The Trial to Reduce IDDM in the Genetically at Risk (TRIGR) study: recruitment, intervention and follow-up. *Diabetologia*. 2011 Mar;54(3):627-33.
- 88 El Aarbaoui T, Samouda H, Zitouni D, di Pompeo C, de Beaufort C, Trincaretto F, Mormontyn A,

Hubert H, Lemdani M, Guinhouya BC. Does the body adiposity index (BAI) apply to paediatric populations? *Ann Hum Biol.* 2013 Sep-Oct;40(5):451-8.

89 Due P, de Beaufort C, Damsgaard MT, Mortensen HB, Rasmussen M, Ahluwalia N, Skinner T, Swift P; HSG and HBSC consortia. Do eating behaviors in the general population account for country variance in glycemic control among adolescents with diabetes: the Hvidoere Study Group and the Health Behaviour in School-Aged Children study. *Pediatr Diabetes.* 2013 Dec;14(8):554-61. doi: 10.1111/pedi.12038. Epub 2013 Jun 17.

90 Cameron FJ, de Beaufort C, Aanstoot HJ, Hoey H, Lange K, Castano L, Mortensen HB; Hvidoere International Study Group. .Lessons from the Hvidoere International Study Group on childhood diabetes: be dogmatic about outcome and flexible in approach.*Pediatr Diabetes.* 2013 Nov;14(7):473-80.

91 Guinhouya BC, Samouda H, de Beaufort C. .Level of physical activity among children and adolescents in Europe: a review of physical activity assessed objectively by accelerometry. *Public Health.* 2013 Apr;127(4):301-11.

92 Drewniak A, Gazendam RP, Tool AT, van Houdt M, Jansen MH, van Hamme JL, van Leeuwen EM, Roos D, Scalais E, de Beaufort C, Janssen H, van den Berg TK, Kuijpers TW. Invasive fungal infection and impaired neutrophil killing in human CARD9 deficiency.*Blood.* 2013 Mar 28;121(13):2385-92.

93 Danne T, Lion S, Madaczy L, Veeze H, Raposo F, Rurik I, Aschemeier B, Kordonouri O; SWEET group. Criteria for Centers of Reference for pediatric diabetes--a European perspective. *Pediatr Diabetes.* 2012 Sep;13 Suppl 16:62-75.

94 Lange K, Klotmann S, Saßmann H, Aschemeier B, Wintergerst E, Gerhardsson P, Kordonouri O, Szybowska A, Danne T; SWEET group. A pediatric diabetes toolbox for creating centres of reference. *Pediatr Diabetes.* 2012 Sep;13 Suppl 16:49-61. doi: 10.1111/j.1399-5448.2012.00913.x. Review.

95 Forsander G, Pellinat M, Volk M, Muller M, Pinelli L, Magnen A, Danne T, Aschemeier B, de Beaufort C; SWEET group. Technical solution for data collection, data safety and data privacy legislation: experiences from the SWEET study.*Pediatr Diabetes.* 2012 Sep;13 Suppl 16:39-48.

96 Waldron S, Rurik I, Madacsy L, Donnasson-Eudes S, Rosu M, Skovlund SE, Pankowska E, Allgrove J; SWEET group. Good practice recommendations on paediatric training programmes for health care professionals in the EU. *Pediatr Diabetes.* 2012 Sep;13 Suppl 16:29-38.

97 Martin D, Lange K, Sima A, Kownatka D, Skovlund S, Danne T, Robert JJ; SWEET group. Recommendations for age-appropriate education of children and adolescents with diabetes and their parents in the European Union. *Pediatr Diabetes.* 2012 Sep;13 Suppl 16:20-8. doi: 10.1111/j.1399-5448.2012.00909.x.

98 de Beaufort C, Vazeou A, Sumnik Z, Cinek O, Hanas R, Danne T, Aschemeier B, Forsander G; SWEET group. Harmonize care to optimize outcome in children and adolescents with diabetes mellitus: treatment recommendations in Europe. *Pediatr Diabetes.* 2012 Sep;13 Suppl 16:15-9. doi: 10.1111/j.1399-5448.2012.00908.x.

99 Cinek O, Sumnik Z, de Beaufort C, Rurik I, Vazeou A, Madácsy L, Papo NL, Danne T; SWEET group. Heterogeneity in the systems of pediatric diabetes care across the European Union. *Pediatr Diabetes.* 2012 Sep;13 Suppl 16:5-14.

100 Danne T, Aschemeier B, Perfetti R; SWEET group. SWEET--where are we heading with international type 1 diabetes registries? *Pediatr Diabetes.* 2012 Sep;13 Suppl 16:1-4.

101 Battelino T, Conget I, Olsen B, Schütz-Fuhrmann I, Hommel E, Hoogma R, Schierloh U, Sulli N, Bolinder J; SWITCH Study Group. The use and efficacy of continuous glucose monitoring in type 1 diabetes treated with insulin pump therapy: a randomised controlled trial. *Diabetologia.* 2012 Dec;55(12):3155-62.

102 de Beaufort CE, Lange K, Swift PG, Aman J, Cameron F, Castano L, Dorchy H, Fisher LK,



- Hoey H, Kaprio E, Kocova M, Neu A, Njolstad PR, Phillip M, Schoenle E, Robert JJ, Urukami T, Vanelli M, Danne T, Barrett T, Chiarelli F, Aanstoot HJ, Mortensen HB; Hvidoere Study Group. Metabolic outcomes in young children with type 1 diabetes differ between treatment centers: the Hvidoere Study in Young Children 2009. *Pediatr Diabetes*. 2013 Sep;14(6):422-8. doi: 10.1111/j.1399-5448.2012.00922.x. Epub 2012 Sep 10.
- 103 Cardwell CR, Stene LC, Ludvigsson J, Rosenbauer J, Cinek O, Svensson J, Perez-Bravo F, Memon A, Gimeno SG, Wadsworth EJ, Strotmeyer ES, Goldacre MJ, Radon K, Chuang LM, Parslow RC, Chetwynd A, Karavanaki K, Brigis G, Pozzilli P, Urbonaitė B, Schober E, Devoti G, Sipetic S, Joner G, Ionescu-Tirgoviste C, de Beaufort CE, Harrild K, Benson V, Savilahti E, Ponsonby AL, Salem M, Rabiei S, Patterson CC. Breast-feeding and childhood-onset type 1 diabetes: a pooled analysis of individual participant data from 43 observational studies. *Diabetes Care*. 2012 Nov;35(11):2215-25.
- 104 Gies I, Thomas M, Tenoutasse S, De Waele K, Lebrethon MC, Beckers D, Francois I, Maes M, Rooman R, de Beaufort C, Massa G, De Schepper J. Insulin sensitivity modulates the growth response during the first year of high-dose growth hormone treatment in short prepubertal children born small for gestational age. *Horm Res Paediatr*. 2012;78(1):24-30. doi: 10.1159/000339829. Epub 2012 Jul 20.
- 105 Guinhouya BC, Fairclough SJ, Zitouni D, Samouda H, Vilhelm C, Zgaya H, de Beaufort C, Lemdani M, Hubert H. Does biological maturity actually confound gender-related differences in physical activity in preadolescence? *Child Care Health Dev*. 2013 Nov;39(6):835-44.
- 106 Patterson CC, Gyürüs E, Rosenbauer J, Cinek O, Neu A, Schober E, Parslow RC, Joner G, Svensson J, Castell C, Bingley PJ, Schoenle E, Jarosz-Chobot P, Urbonaitė B, Rothe U, Krziszniak C, Ionescu-Tirgoviste C, Weets I, Kocova M, Stipancic G, Samardzic M, de Beaufort CE, Green A, Dahlquist GG, Soltész G. Trends in childhood type 1 diabetes incidence in Europe during 1989-2008: evidence of non-uniformity over time in rates of increase. *Diabetologia*. 2012 Aug;55(8):2142-7.
- 107 Di Iorio CT, Carinci F, Brillante M, Azzopardi J, Beck P, Bratina N, Cunningham SG, De Beaufort C, Debacker N, Jarosz-Chobot P, Jecht M, Lindblad U, Moulton T, Metelko , Nagy A, Olympios G, Pruna S, Røder M, Skeie S, Storms F, Massi Benedetti M. Cross-border flow of health information: is 'privacy by design' enough? Privacy performance assessment in EUBIROD. *Eur J Public Health*. 2013 Apr;23(2):247-53
- 108 Eifes S, Chudasama, KK, Molnes J, Wagner K, Hoang T, Schierloh U, Rocour-Brumioul D, Johansson S, Njolstad P, de Beaufort C A novel GATA6 mutation in a child with congenital heart malformation and neonatal diabetes. *Clinical Case Reports* 2013; 2 8690
- 109 Knip M, Åkerblom HK, Becker D, Dosch HM, Dupre J, Fraser W, Howard N, Ilonen J, Krischer JP, Kordonouri O, Lawson ML, Palmer JP, Savilahti E, Vaarala O, Virtanen SM; TRIGR Study Group. Hydrolyzed infant formula and early -cell autoimmunity: a randomized clinical trial. *JAMA*. 2014 Jun 11;311(22):2279-87.
- 110 Franciscus M, Nucci A, Bradley B, Suomalainen H, Greenberg E, Laforte D, Kleemola P, Hyytinen M, Salonen M, Martin MJ, Catte D, Catteau J; TRIGR Investigators. Recruitment and retention of participants for an international type 1 diabetes prevention trial: a coordinators' perspective. *Clin Trials*. 2014 Apr;11(2):150-8
- 111 Lehtonen E, Ormiston A, Nucci A, Cuthbertson D, Sorkio S, Hyytinen M, Alahuhta K, Berseth C, Salonen M, Taback S, Franciscus M, González-Frutos T, Korhonen TE, Lawson ML, Becker DJ, Krischer JP, Knip M, Virtanen SM; TRIGR Investigators. Use of vitamin D supplements during infancy in an international feeding trial. *Public Health Nutr*. 2014;17(4):810-22.
- 112 Hommel E, Olsen B, Battelino T, Conget I, Schütz-Fuhrmann I, Hoogma R, Schierloh U, Sulli N, Gough H, Castañeda J, de Portu S, Bolinder J; SWITCH Study Group. Impact of continuous glucose monitoring on quality of life, treatment satisfaction, and use of medical care resources: analyses from the SWITCH study. *Acta Diabetol*. 2014 51(5):845-51.
- 113 Cameron FJ, Amin R, de Beaufort C, Codner E, Acerini CL

- Diabetes in adolescence. *Pediatr Diabetes*. 2014;15 Suppl 20:245-56
- 114 Rewers MJ, Pillay K, de Beaufort C, Craig ME, Hanas R, Acerini CL, Maahs DM. Assessment and monitoring of glycemic control in children and adolescents with diabetes. *Pediatr Diabetes*. 2014 15 Suppl 20:102-14
- 115 Acerini C, Craig ME, de Beaufort C, Maahs DM, Hanas R. Introduction to ISPAD Clinical Practice Consensus Guidelines 2014 Compendium. *Pediatr Diabetes*. 2014 Sep;15 Suppl 20:1-3
- 116 Patterson C, Gyürüs E, Rosenbauer J, Cinek O, Neu A, Schober E, Parslow R, Joner G, Svensson J, Castell C, Bingley P, Schoenle E, Jarosz-Chobot P, Urbanaité B, Rothe U, Krinik C, Ionescu-Tirgoviste C, Weets I, Kocova M, Stipancic G, Samardzic M, de Beaufort C, Green A, Soltész G, Dahlquist G. Seasonal variation in month of diagnosis in children with type 1 diabetes registered in 23 European centers during 1989-2008: little short-term influence of sunshine hours or average temperature. *Pediatr Diabetes*. 2015 Dec;16(8):573-80
- 117 Karres J, Pratt V, Guettier JM, Temeck J, Tamborlane WV, Dunger D, Bejnariu C, De Beaufort C, Tomasi P. Joining forces: a call for greater collaboration to study new medicines in children and adolescents with type 2 diabetes. *Diabetes Care*. 2014 ;37(10):2665-7
- 118 Samouda H, De Beaufort C, Stranges S, Hirsch M, Van Nieuwenhuysse JP, Dooms G, Gilson G, Keunen O, Leite S, Vaillant M, Lair ML, Dadoun F. Cardiometabolic risk: leg fat is protective during childhood. *Pediatr Diabetes*. 2015 Jun 17
- 119 Samouda H, de Beaufort C, Stranges S, Guinhouya BC, Gilson G, Hirsch M, Jacobs J, Leite S, Vaillant M, Dadoun F. Adding anthropometric measures of regional adiposity to BMI improves prediction of cardiometabolic, inflammatory and adipokines profiles in youths: a cross-sectional study. *BMC Pediatr*. 2015 Oct 24;15(1):168
- 120 Neu A, Lange K, Barrett T, Cameron F, Dorchy H, Hoey H, Jarosz-Chobot P, Mortensen HB, Robert JJ, Robertson K, de Beaufort C; Hvidoere Study Group. Classifying insulin regimens--difficulties and proposal for comprehensive new definitions. *Pediatr Diabetes*. 2015 Sep;16(6):402-6
- 121 Kaur S, Mirza AH, Brorsson CA, Fløyel T, Størling J, Mortensen HB, Pociot F; Hvidoere International Study Group. The genetic and regulatory architecture of ERBB3-type 1 diabetes susceptibility locus. *Mol Cell Endocrinol*. 2016 Jan 5;419:83-91
- 122 Hornig NC, de Beaufort C, Denzer F, Cools M, Wabitsch M, Ukat M, Kulle AE, Schweikert HU, Werner R, Hiort O, Audi L, Siebert R, Ammerpohl O, Holterhus PM. A Recurrent Germline Mutation in the 5'UTR of the Androgen Receptor Causes Complete Androgen Insensitivity by Activating Aberrant uORF Translation. *PLoS One*. 2016 Apr 25;11(4):e0154158.
- 123 Brorsson CA, Nielsen LB, Andersen ML, Kaur S, Bergholdt R, Hansen L, Mortensen HB, Pociot F, Størling J; Hvidoere Study Group On Childhood Diabetes. Genetic Risk Score Modelling for Disease Progression in New-Onset Type 1 Diabetes Patients: Increased Genetic Load of Islet-Expressed and Cytokine-Regulated Candidate Genes Predicts Poorer Glycemic Control. *J Diabetes Res*. 2016;2016:9570424
- 124 Samouda H De Beaufort C, Van Nieuwenhuysse JP, Dooms G, Kastler G, Keunen O, Jacobs J (B.Sc.), Vaillant M, Lair MLL, Dadoun F. Subtraction of subcutaneous fat to improve the prediction of visceral adiposity: Exploring a new anthropometric track in overweight and obese youth. *Pediatric Diabetes* 2017 Aug;18(5):399-404. doi: 10.1111/pedi.12415. Epub 2016 Jul 12. PMID: 27400675
- 125 Laczny C, Muller E, Heintz-Buschart A, Herold M, Lebrun L, Hogan A, May P, De Beaufort C and Wilmes P \* Identification, recovery, and refinement of hitherto undescribed population-level genomes from the human gastrointestinal tract. *Frontiers in Microbiology Front. Microbiol.* | 2016 doi: 10.3389/fmicb.2016.00884

- 126 Pacaud D, Schwandt A de Beaufort C, Casteels K, Beltrand J, Birkebaek NK, Campagnoli M Bratina N, Limbert C, ORiordan S, Ribeiro R, Gerasimidi-Vazeou A, Petruzelkova L, Verkauskiene L, Dzivite Krisane I, Phillip M and the SWEET Study Group A description of type 2 diabetes and other non type 1 diabetes included in a large international multi- centered pediatric diabetes registry (SWEET). *Pediatric Diabetes Suppl* 2016 Suppl23 24- 31
- 127 Szypowska A, Schwandt A Svensson J, Shalitin S, Cardona-Hernandez R, Forsander G, Sundberg F, de Beaufort C, Maahs D, Maffeis C, ORiordan S, Dzivite Krisane I, Scharf M, Castro S, Konstantinova M, Obermannova B, Casteels K, Göken D, Galhardo J, Kanaka Gantenbein C, Rami-Merhar B, Madacsy L and the SWEET Study Group Insulin pump therapy in children with type 1 diabetes: analysis of data from the SWEET registry *Pediatric Diabetes* 2016 Suppl 23 38-45
- 128 Heintz-Buschart A, May P, Laczny CC, Lebrun LA, Bellora C, Krishna A, Wampach L, Schneider JG, Hogan A, de Beaufort C, Wilmes P. Integrated multi- omics of the human gut microbiome in a case study of familial type 1 diabetes. *Nat Microbiol.* 2016 Oct 10;2:16180.
- 129 Zeevaert R, Scalais E, Muino Mosquera L, De Meirleir L, De Beaufort C, Witsch M, Jaeken J, De Schepper J. PGM1 deficiency diagnosed during an endocrine work-up of low IGF-1 mediated growth failure. *Acta Clin Belg.* 2016 May 24:1-3.
- 130 Tamborlane WV, Haymond MW, Dunger D, Shankar R, Gubitosi-Klug R, Bethin K, Karres J, Tomasi P, Libman I, Hale PH, Portman R, Klingensmith G, Reed M, Blumer J, Giacoia G; NICHD Diabetes Working Group. Expanding Treatment Options for Youth With Type 2 Diabetes: Current Problems and Proposed Solutions: A White Paper From the NICHD Diabetes Working Group. *Diabetes Care.* 2016 Mar;39(3):323-9. doi: 10.2337/dc15-1649. No abstract available.
- 131 Nucci AM, Virtanen SM, Sorkio S, Bärlund S, Cuthbertson D, Uusitalo U, Lawson ML, Salonen M, Berseth CL, Ormiston A, Lehtonen E, Savilahti E, Becker DJ, Dupré J, Krischer JP, Knip M, Åkerblom HK; TRIGR Investigators. Regional differences in milk and complementary feeding patterns in infants participating in an international nutritional type 1 diabetes prevention trial. *Matern Child Nutr.* 2016 . doi: 10.1111/mcn.12354
- 132 Chikani U Ibekwe M, Oguono T, Mungai L, Bisi-Onyemechi A, Ugege S, Ogbonna I; de Beaufort C Steroid induced impairment of glucose tolerance (SIIGT): prevalence among paediatric patients on long term steroid use in Nigeria. *Pediatric Diabetes* 2017 Mar 6. Epub
- 133 Gerasimidi Vazeou A, Kordonouri O, Witsch M, Hermann JM, Forsander G, de Beaufort C, Veeze HJ, Maffeis C, Cherubini V, Cineck O, Piccini B, Holl RW, Danne T for the SWEET Study Group. Seasonality at the Clinical Onset of Type 1 diabetes Lessons from the SWEET database *Pediatric Diabetes* 2016 Suppl 23.
- 134 Sundberg F, Barnard K, Cato K, de Beaufort C, DiMeglio LA, Hershey L, Jain V, Weissberg-Benchell J, Rami-Merhar B, Smart C, Hanas R. Managing Diabetes in preschool children. *Pediatric Diabetes* 2017 in press doi: 10.1111/pedi.12554. [ Epub
- 135 Pit-ten Cate, Samouda H, Schierloh U, Jacobs J, Vervier JF, Stranges S, Lair ML de Beaufort C. Metabolic and psychosocial variables as predictors of attrition in youth with overweight and obesity seeking ambulatory treatment . 7:e014811. doi:10.1136/ BMJOPEN-2016-014811
- 136 Wampach L, Heintz-Buschart A, Hogan A, Muller EEL, Narayanasamy S, Laczny CC, Hugerth LW, Bindl L, Bottu J, Andersson AF, de Beaufort C, Wilmes P Colonization and Succession within the Human Gut Microbiome by Archaea, Bacteria, and Microeukaryotes during the First Year of Life. *Front Microbiol.* 2017 May 2;8:738. doi: 10.3389/fmicb.2017.00738. eCollection 2017. PMID:2851245
- 137 Hilary Hoey, Karin Lange, T.C. Skinner, Henrik Mortensen, Henk-Jan Aanstoot, Luis Castao, Peter Swift, Fergus Cameron, Harry Dorchy, Mark Palmert, Eero Kaprio, Jean-Jacques Robert, Thomas Danne, Andreas Neu, Sholmit Shlilitin, Francesco Chiarelli, Maurizio Vanelli, Tatsuhiko Urakami, Pål Njølstad, Premyslawa Jarosz- Chobot, Edna Roche, Mirjana Kocova, Jan Åman, Eugen Schönle, Timothy Barrett2 Kenneth Robertson, Lynda Fisher, Carine de Beaufort on behalf

- of The Hvidoere Study Group Hvidoere. Smiley Faces: International Diabetes Quality of Life assessment tool for young children. *Pediatric Diabetes* e 2017
- 138 Timothy C Skinner, Karin S. Lange , Hilary Hoey , Henrik B. Mortensen , Henk-Jan Aanstoot , Luis Castao , Soren Skovlund, Peter G.F. Swift , Fergus J. Cameron, Harry R. Dorchy , Mark R. Palmert , Eero Kaprio, Jean-Jacques Robert, Thomas Danne, Andreas Neu, Shlomit Shalitin, Francesco Chiarelli, Giovanni Chiari, Tatsuhiko Urakami, Pål R. Njølstad, Premyslawa K. Jarosz-Chobot , Edna F. Roche, CintiaG.Castro-Correia, Mirjana Kocova, Jan Áman, Eugen Schönle, Timothy G Barrett, Lynda Fisher, Carine E. de Beaufort , The Hvidoere Study Group. Targets and Teamwork: Understanding Differences in Paediatric Diabetes Centres Treatment Outcomes. *Pediatric Diabetes* nov 2017
- 139 Knip M, Åkerblom HK, Al Taji E, Becker D, Bruining J, Castano L, Danne T, de Beaufort C, Dosch HM, Dupre J, Fraser WD, Howard N, Ilonen J, Konrad D, Kordonouri O, Krischer JP, Lawson ML, Ludvigsson J, Madacsy L, Mahon JL, Ormiston A, Palmer JP, Pozzilli P, Savilahti E, Serrano-Rios M, Songini M,S, Vaarala O, White NH, Virtanen SM, Wasikowa R. Effect of Hydrolyzed Infant Formula vs Conventional Formula on Risk of Type 1 Diabetes: The TRIGR Randomized Clinical Trial. *JAMA*. 2018 Jan 2;319(1):38-48. doi: 10.1001/jama.2017.19826.
- 140 Bohn B, Mönkemöller K, Hilgard D, Dost A, Schwab KO, Lilienthal E, Hammer E, Hake K, Fritsch M, Gohlke B, de Beaufort C, Holl RW; DPV-initiative. Oral contraception in adolescents with type 1 diabetes and its association with cardiovascular risk factors. A multicenter DPV study on 24 011 patients from Germany, Austria or Luxembourg. *Pediatr Diabetes*. 2018 Feb 7. doi: 10.1111/pedi.12656.
- 141 Anna Heintz-Buschart; Dilmurat Yusuf; Anne Kaysen; Alton Etheridge; Joelle V Fritz; Patrick May; Carine de Beaufort; Bimal Babu Upadhyaya; Anubrata Ghosal; David J Galas; Paul Wilmes Small RNA profiling of low biomass samples: identification and removal of contaminants. *BMC Biology*. 2018
- 142 Klingensmith GJ, Lanzinger S, Tamborlane WV, Hofer SE, Cheng P, de Beaufort C, Gal RL, Reinehr T, Kollman C, Holl RW. Adolescent Type 2 Diabetes: Comparing the Pediatric Diabetes Consortium and Germany/Austria/Luxemburg Pediatric Diabetes Prospective Registries. *Pediatr Diabetes*. 2018 Jun 20
- 143 Patsi O, De Beaufort C, Kerschen P, Cardillo S, Soehn A, Rautenberg M, Diederich NJ. A new PNPLA6 mutation presenting as Oliver McFarlane syndrome *J Neurol Sci*. 2018 Sep 15;392:1-2.
- 144 .Svensson J, Schwandt A, Pacaud D, Beltrand J, Birkebaek N, Cardona-Hernandez R, Castell K, Castro S, Cherubini V, Cody D, Fisch N, Hasnani D, Kordonouri O, Kosteria I, Luczay A, Pundziute-Lycká A, Maffei C, Piccini B, Luxmi P, Sumnik Z, de Beaufort C. The influence of treatment, age at onset, and metabolic control on height in children and adolescents with type 1 diabetes - A SWEET collaborative study *Pediatr Diabetes*. 2018 Aug 13. doi: 10.1111/pedi.12751.
- 145 Maffei C, Birkebaek NH, Konstantinova M, Schwandt A, Vazeou A, Casteels K, Jali S, Limbert C, Pundziute-Lycka A, Toth-Heyn P, de Beaufort C, Sumnik Z, Cherubini V, Svensson J, Pacaud D, Kanaka-Gantenbein C, Shalitin S, Bratina N, Hanas R, Alonso GT, Poran L, Pereira AL, Marigliano M; SWEET Study Group. Prevalence of underweight, overweight, and obesity in children and adolescents with type 1 diabetes: Data from the international SWEET registry. *Pediatr Diabetes*. 2018 Jul 23.
- 146 C.C. Patterson, V. Harjutsalo, J. Rosenbauer, A. Neu, O. Cinek, T. Skrivarhaug, B. Rami-Merhar, G. Soltesz, J. Svensson, R.C. Parslow, C. Castell, E. Schoenle, P.J. Bingley, G.G. Dahlquist, P. Jarosz-Chobot, D.Mariulionyt, E. Roche, U. Rothe, N. Bratina, C. Ionescu-Tirgoviste, I. Weets, M. Kocova, V. Cherubini, N. Rojnic Putarek, C.E. de Beaufort, M. Samardzic, A. Green. Trends and cyclic variations in the incidence of childhood type 1 diabetes in 26 European centres in the 25-year period 1989-2013. *Diabetologia* 2019 Mar;62(3):408-417.
- 147 Bocquet V, Strange S, de Beaufort CE .The public health burden of pre- diabetes and diabetes in Luxembourg: Finding from the 2013-15 European Health Examination Survey. *BMJ Open* 2019;9:e022206. doi:10.1136/

148 Ulrike Schierloh; Gloria A Aguayo; Muriel Fichelle; Cindy De Melo Dias; Aljosa Celebic, Michel Vaillant; Katharine Barnard; Ohad Cohen; Carine de Beaufort.

Effect of predicted low suspend pump treatment on improving glycemic control and quality of sleep in children with type 1 diabetes and their caregiver: The QUEST randomized crossover study. TRIALS 2018 2018 Dec 4;19(1):665. doi:10.1186/s13063-018-3034-4.

149 Linda Wampach, Anna Heintz-Buschart, Joëlle V. Fritz, Javier Ramiro- Garcia, Janine Habier, Malte Herold, Shaman Narayanasamy, Anne Kaysen, Angela Hogan, Lutz Bindl, Jean Bottu, Rashi Halder, Conny sjoqvist, Patrick May, Anders Andersson, Carine de Beaufort and Paul Wilmes.

Birth mode is associated with earliest strain-conferred gut microbiome functions and immunostimulatory potential. Nature Communications 2018 Nov 30;9(1):5091

150 de Beaufort C, Besancon S, Balde N. Prise en charge du diabète de type 1. Médecine et Santé Tropicales 2018 ; 28 : 359-362

151 Tauschmann M, Allen JM, Nagl, K, Fritsch, M; Yong J, Metcalfe E, Schaeffer D; Fichelle M; Ulrike Schierloh, MD; Alena G Thiele; Daniela Abt; Harald Kojzar; Julia K Mader, MD; Sonja Slegtenhorst; Nicole Barber; Malgorzata E Wilinska; Charlotte Boughton, Gianluca Musolino, G Thiele AG; Abt D; Harald Kojzar H; Mader J, Slegtenhorst S; Barber N; Wilinska ME; Charlotte Boughton C, Sibayan J, Cohen N; Kollman C, Hofer S, Fröhlich-Reiterer E, M Kapellen, TM, Acerini C, de Beaufort C, Campbell F, Rami-Merhar B, Hovorka R.. Home use of day-and-night hybrid closed-loop insulin delivery in very young children: a multicentre 3-week randomised trial. Diabetes Care 2019 ; 42(4):594-600

152 Schierloh U, Wilinska ME, Pit-ten Cate IM, Baumann P, Hovorka R, de Beaufort C. Lower plasma insulin levels during overnight closed-loop in school children with type 1 diabetes: potential advantage? A randomized cross-over trial. PLoS One. 2019;14(3):e0212013. doi: 10.1371/journal.pone.0212013. eCollection 2019.

153 Schmidt TSB, Hayward MR, Coelho LP, Li SS, Costea PI, Voigt A., Maistrenko OM, Alves RJ, Bergsten E, de Beaufort C, Sobhani I, Heintz-Buschart A, Sunagawa S, Zeller G, Wilmes P, Bork P. Extensive Transmission of Microbes along the Gastrointestinal Tract. Elife. 2019 Feb 12;8. pii: e42693. doi: 10.7554/eLife.42693

154 Musolino G, Dovc K, Boughton CK, Tauschmann M, Allen JM, Nagl K, Fritsch M, Yong J, Metcalfe E, Schaeffer D, Fichelle M, Schierloh U, Thiele AG, Abt D, Kojzar H, Mader JK, Slegtenhorst S, Ashcroft N, Wilinska ME, Sibayan J, Cohen N, Kollman C, Hofer SE, Fröhlich-Reiterer E, Kapellen TM, Acerini CL, de Beaufort C, Campbell F, Rami-Merhar B, Hovorka R; Kidsap Consortium. Reduced burden of diabetes and improved quality of life: Experiences from unrestricted day-and-night hybrid closed-loop use in very young children with type 1 diabetes. Pediatr Diabetes. 2019 May 29. doi: 10.1111/pedi.12872

155 Dovc K, Boughton C, Tauschmann M, Thabit H, Bally L, Allen JM, Acerini CL, Arnolds S, de Beaufort C, Bergenstal RM, Campbell F, Criego A, Dunger DB, Elleri D, Evans ML, Fröhlich-Reiterer E, Hofer S, Kapellen T, Leelarathna L, Pieber TR, Rami-Merhar B, Shah VN, Sibayan J, Wilinska ME, Hovorka R; APCam11, AP@Home, and KidsAP Consortia. Young Children Have Higher Variability of Insulin Requirements: Observations During Hybrid Closed-Loop Insulin Delivery. Diabetes Care. 2019 Jul;42(7):1344-1347

156 Deeb A, Elbarbary N, Smart C, Beshyah SA, Habeb A, Kalra S, Al Alwan I, Babiker A, Al-Amoudi R, Pulungan AB, Humayun K, Issa U, Yazid M, Sanhay R, Akanov Z, Krogvold L, de Beaufort C. ISPAD Clinical Practice Consensus Guidelines: Fasting Ramadan by young people with Diabetes. Pediatric Diabetes 2019 Oct 28. doi: 10.1111/pedi.12920. [Epub ahead of print]

157 Themelin C, Pierron C, Calafat JF, de Beaufort C. Transient neonatal hypothyroidism secondary to postnatal maternal exposure to contrast medium. BMJ Case Rep. 2019 Oct 15;12(10). pii: e230854. doi: 10.1136/bcd-2019-230854

158 Samouda H, De Beaufort C, Gilson G, Schritz A, Vaillant M, Ghadhab C, Ruiz- Castell M, Huiart L, Dohet F, Weber B, Bohn T. Relationship of oxidative stress to visceral adiposity in youth and role played by vitamin D. *Pediatr Diabetes*. 2020 May 16. doi: 10.1111/pedi.13055. Online ahead of print.

159 Maija E. Miettinen, Sari Niinistö, Iris Erlund, David Cuthbertson, Anita M. Nucci Jarno Honkanen, Outi Vaarala, Heikki Hyöty, Jeffrey P. Krischer, Mikael Knip, & Suvi M. Virtanen and TRIGR Investigators Serum 25-hydroxyvitamin D concentration in childhood and risk of islet autoimmunity and type 1 diabetes: the TRIGR nested casecontrol ancillary study 2020 *Diabetologia*

160 Othmar Moser, Michael C Riddell, Max L Eckstein, Peter Adolfsson, Rémi Rabasa- Lhoret, Louisa van den Boom,, Pieter Gillard, Kirsten Nørgaard, Nick S Oliver, Dessi P Zaharieva, Tadej Battelino, Carine de Beaufort, Richard M Bergenstal, Bruce Buckingham, Eda Cengiz, Asma Deeb, Tim Heise, Simon Heller, Aaron J Kowalski, Lalantha Leelarathna, Chantal Mathieu, Christoph Stettler, Martin Tauschmann, Hood Thabit, Emma G Wilmot, Harald Sourij, Carmel E Smart, Peter G Jacobs, Richard M Bracken, Julia K Mader Glucose Management for Exercise using Continuous Glucose Monitoring (CGM) and Intermittently Scanned CGM (isCGM) Systems in Type 1 Diabetes Position Statement of the European Association for the Study of Diabetes (EASD) and of the International Society for Pediatric and Adolescent Diabetes (ISPAD) endorsed by JDRF and supported by the American Diabetes Association (ADA) *Diabetologia/Pediatric Diabetes*. accepted 2020

161 Nancy Samir Elbarbary<sup>1</sup>, Tiago Jeronimo dos Santos<sup>2</sup>, Carine de Beaufort<sup>3</sup>, Juliana Chizo Agwu<sup>4</sup>, Luis Eduardo Calliari<sup>5</sup>, Andrea Enzo Scaramuzza. COVID-19 outbreak and pediatric diabetes: perceptions of health care professionals worldwide. *Pediatric Diabetes* , 2020 July

#### BOOK Chapters

A De Beaufort CE, Bruining GJ (1989) Evolution du diabète sucré insulino-dépendant dans les deux premières années. In : *Traité de diabétologie* . Eds Czernichow P et Dorchy H. Doin Paris

B De Beaufort CE (1990) Neuropathie.

In : *Le diabète de l'enfant*. EdsPDF Bougnères , J Jos, JL Chaussain. Flammarion Paris

C Carine de Beaufort and Katherine Barnard. Challenges to emotional well being : depression, anxiety and parental fear of hypoglycaemia..

In : *Psychosocial Aspects of Diabetes Children , adolescents and their families* D Christie and C Martin Radcliffe publishing 2012

D Wampach, Linda, Wilmes, Paul, De Beaufort, Carine. Microbiome and type 1 diabetes [internet]. 2013 []; *Diapedia* 2104723411 rev. no. 14

E Neonatal and Paediatric Prescribing Book , UK , 2017 :

ED : Barker et al Treatment of Type 1 diabetes in children .

to be published 2017

F *Research into Childhood-Onset Diabetes. From Study Design to Improved Management* ISBN 978-3-319-40242-0

Editors: Scaramuzza, Andrea, de Beaufort, Carine, Hanas, Ragnar

#### Projects

EU/international projects

1989.. Eurodiab, (Ace and other substudies), representative for Luxembourg

1997-1998 EFI ( European forum on immunisation ) ,representative for Luxembourg

1990-1993 IDS Participant in workshops for harmonisation of different laboratory techniques (autoimmunity in diabetes)

1998-- Hvidoere Study Group, international collaborative study group investigating different clinical aspects of childhood diabetes

2010----- Chair Hvidoere study group

International Grants

2000-2002 EU Diabetes Indicator Project,(n°S12.289539) Coordinator

2005-2008 EUCID Diabetes Indicator Project (steering committee) (SANCO/PHEA )



2007-2008 Expert diabetes EUGloreh report  
2007-2008 Expert EUphix  
2008-2010 SWEET study (PHEA) steering committee  
2008-2012 EU Birod, luxemburg representative  
2009-2012 Interreg Edudora , interreg diabetes and obesity in adolescents and adults  
2012-2016 SPIDIMAN FP7 Framework grant (nr 305343) extension 2017 07  
2015-2022 INNODIA ( PI Luxembourg ) IMI-2  
2020-2022 INNODIA HARVEST  
2020- partner in the national EPTRI hub  
2017-2021 Kidsap (PI luxembourg) Horizon2020 -grant 731560-

#### National projects

1989.. CRP/EPIDID research group on diabetes in Luxembourg (incidence, prevalence, autoimmunity, family study, risk factors etc)  
2005-2008 Steering committee DiabCare Luxembourg  
2005-2009 Steering committee OSPEL ( Obésité et Surcharge pondérale chez enfant Luxembourgeois)  
2012-2015 MUST (CHL/IBBL/LCSB)  
2012-2026 COSMIC (CHL/IBBL/LCSB)  
2018-2020 Numeracy Study : Hvidoere study group  
2018-2022 Methodology of non invasive procedures - CHL/LIH/LNS-CHARM/Hormini.  
  
2019 EDEG Chair  
2019 Luxfico project - LIH-CHL-LCSB  
2019 CoLive Diabetes -international scientific advisory board member  
2020-22 National Cholesterol screening in children- pilot.  
2020-21 CLEAR retrospective analysis of SARS-CoV2 in children  
2021-2022 PrediCovid Pediatrics

#### Memberships

ADA American Diabetes Association  
EASD European Association for the Study of Diabetes  
ISPAD International Society for Pediatric, Adolescent and young Adults Diabetes: President  
2020-2022  
ESPE European Society for Paediatric Endocrinology  
EAPS European Academy of Paediatrics  
NVKGNederlandse Vereniging voor Kindergeneeskunde  
SLP Société Luxembourgeoise de Pédiatrie,  
SSM  
SLD : chair 2018-  
Pediatric Committee (PDCO), European Medicine Agency (Londres) Representative for Luxembourg  
Participant in the Consensus Meeting Glucose sensors 2011 (Consensus Statement Use of continuous glucose monitoring in children and adolescents Pediatric Diabetes 2012)  
HVIDOERE STUDY GROUP  
2018- Member Scientific Board ALAN- MALADIES RARES Luxembourg

#### Other Relevant Information

1988 University diploma in Public Health, Faculty I of Nancy, Nancy, France  
1998 Certificate in Good Clinical Practice for Investigators, Brookwood  
International Academy of Healthcare research, UK  
2018 Advanced GCP course EFGCP certificate  
2018-2021 Member Luxembourg Committee National Plan for Rare Diseases