

Curriculum Vitae

M. Luisa Mearin Manrique, M.D., Ph.D.

Pediatric Gastroenterologist

Associate Professor

Leiden University Medical Center (LUMC)

Department of Pediatrics

PO Box 9600; 2300 RC LEIDEN; the Netherlands

Telephone: 31 71 5262806; Telefax: 31 71 524-8198;

E-mail: L.Mearin@LUMC.nl

Birth date 8 March 1954

Birth place: Madrid, Spain

Nationality Spanish

Female, married, 2 children

Education

Medicine, Autonoma University, Madrid, Spain	1972 - 1979
Educational Commission for Foreign Medical Graduates Certificate (ECFMG), Pennsylvania, USA	1980
Research training, Laboratory for Gastroenterology, LUMC	1979 - 1982
Pediatric training, Dept. Pediatrics, LUMC	1982 - 1987
Training Pediatric Gastroenterology, Dept. Pediatric Gastroenterology, University Hospital "La Paz", Madrid, Spain	1985
Training gastrointestinal endoscopy, Dept. Gastroenterology, LUMC	1987-1989
Pediatric gastroenterologist, Dutch Society of Pediatrics	1988

PhD

Title "Estudios de Inmunogenética en la Enfermedad Celíaca"

February 18, 1984

Autonoma University, Madrid, Spain

Director: Prof. Dr. I Polanco;

Cum Laude

Title "Coeliac disease. Genetic, immunological and environmental aspects"

September 27, 1987

University Leiden

Directors: Prof. Dr. AJCH Haex, Prof. Dr. JJ van Rood, Prof. Dr. LJ Dooren.

Co-director: Dr. AS Peña

Cum Laude

Work experience

1987 - 1994	Chef de Clinique Unit for Chronic diseases, Department of Pediatrics, LUMC
1994-	Head Unit for Pediatric Gastroenterology and Nutrition, Dept. Pediatrics, LUMC
1999-	Associate Professor of Pediatrics, University Leiden
2003-	Training Program Director Pediatric Gastroenterology, LUMC- Free University Amsterdam (VUmc)

The ambition of M Luisa Mearin is to improve the health and quality of life of sick children, especially of these with gastrointestinal diseases, including celiac disease. M Luisa Mearin is actively involved in research on gastrointestinal diseases in childhood, including the epidemiology, immunology, genetics, treatment, prevention, complications and quality of life in coeliac disease. She has a long experience in the diagnosis and treatment of children with coeliac disease and their families.

Management (a selection):

- 1988- Medical Advisory Board Dutch Association for Celiac Disease (NCV) (chair: 1998-2003).
- 1994- 1998 Scientific Committee Dutch Society for Pediatrics (NVK)
- 1997- 2001 Committee post-graduate education Pediatrics Leiden/The Hague
- 1998- 2001 Co-coordinator ESPGHAN working group “Coeliac disease and malignancy”
- 1998- 2003 European Co-coordinator “Multicentre study on coeliac disease and non-Hodgkin lymphoma” (11 countries). Biomed 2 EU-FP5.
- 1998 -1999 Co-coordinator working group “Diagnosis of coeliac disease in children”, Dutch Association for Pediatric Gastroenterology
- 1999- 2003 Steering Education Pediatric Residents, LUMC
- 1999- 2004 Steering Education Pediatric Residents, Dutch Society for Pediatrics
- 2003 -2008 Board Council Dutch Society for Pediatrics, portfolio research
- 2004 - 2008 Coordination ESPGHAN Working Group “New strategies for the prevention and treatment of coeliac disease”.
- 2005- 2008 European Co-coordinator “Platform for research on prevention and treatment of coeliac disease (CDEUSSA)”. EU-FP6 Contract no: 517787(2005-2007).
- 2005- 2008 Evidence Based Guidelines Coeliac disease and Dermatitis Herpetiformis, Dutch Institute Quality of Health (CBO).
- 2006- ESPGHAN Young Investigators Forum.
- 2007- European Co-coordinator “Influence of the dietary history in the prevention of coeliac disease: possibilities of induction of tolerance for gluten in genetic predisposed children (PREVENTCD)”. EU-FP6 Contract no: 036383. www.preventcd.com.
- 2007- ESPGHAN working group “Evidence Based Guidelines for the diagnosis of childhood celiac disease”.
- 2009- Chair Dutch Pediatric Surveillance Center (NSCKG).
- 2009- Coeliac disease out-patients clinic, LUMC, www.lumc.nl/coeliakiepoli.

Grants (a selection)

Functional study of B- and T-lymphocytes from children with coeliac disease and from controls. Nutricia Nederland BV. fl. 60.000, =/year. 01.02.94 - 01.03.97.

Subclinical coeliac disease in child populations at risk. Preventiefonds: r 28-2229. fl. 340.000, =. 01.01.93 - 01.10.95.

Cow's milk allergy in Dutch children with Down syndrome. Ministry Health (WVC/VWS). fl. 210.000, = 01.01.94 - 01.12.95.

Subclinical coeliac disease in the general population in the Netherlands: health improvement by mass screening? Preventiefonds: project 28-2229-1/ZON: 97-1-95. fl.1.188.111, = / fl. 138.000, =. 01.09.96 - 01.04.2000

Transpyloric feeding in children undergoing bone marrow transplantation. Nutricia Research Foundation 1996-11/ Nutricia Nederland BV. fl. 80.000, =. 01.03.96 - 01.03.98.

European multicentre study on coeliac disease and non-Hodgkin lymphoma. Biomed EU FP5 PL-96 3091, €250.000,=. 01.04.1998 - 01.04.2003.

Dutch study on coeliac disease and non-Hodgkin lymphoma. Maag Lever Darm Stichting (ref. WS9729.1)/ZON 9607.043.1. fl.587.269,=. 01.04.1998 - 31.12.2001.

Helicobacter pylori infection in young children in the Netherlands. Gastrostart / Glaxo. fl. 20.000,=. 01.01.2000 - 01.01.2002.

Feeding habits of young patients with coeliac disease in the Netherlands. Voedingsonderzoek LUMC. fl.120.000,=. 01.01.2000 - 01.01.2002.

Coeliac disease and gluten-free diet: life long? LUMC Doelmatigheid. fl.146.218,=.01.01.2000 - 01.01.2002.

European platform for future research on prevention and effective treatment of coeliac disease. EU-FP6-2003-2B 517787, PN 157787. €117800. 01.09.2005 – 01.06.2007.

Influence of the dietary history in the prevention of coeliac disease: possibilities of induction of tolerance for gluten in genetic predisposed children. EU-FP6-2007-036383. €3600000. 01.01.2007 – 31.12-2010.

Celiac Disease Consortium 2: an innovative clusters supported by the Netherlands Genomics Initiative (NGI) aimed to establish a firm scientific basis for the development of safer foods and more effective diagnosis, prevention and treatment of Celiac Disease. Childhood Coeliac Disease Expertise Centrum. €337000. 01.01.2010 – 31.12-2013.

PhD Co-director

- Dr. EK George. Childhood coeliac disease in the Netherlands, University Leiden, 26 March 1996.
- Dr. CGDS Csizmadia. An iceberg of coeliac disease in the Netherlands. University Leiden, 22 November 2001.
- Dr. JJ Schweizer. Coeliac disease and cancer. University Leiden, 25 March 2004.
- Dr. E Hopman. Gluten intake and gluten-free diet in the Netherlands, 25 September 2008.
- Dr. C Hogen Esch. In preparation.

Publications (a selection of the last 3-years):

1. Bernardo D, Hoogstraten van IMW, Verbeek WHM, Salvador Pena A, Mearin ML, Arranz E, Garrote JA, Scheper RJ, Schreurs MWJ, Bontkes HJ, Mulder CJJ, Blomberg von BMW. Decrease circulating iNKT cell numbers in Refractory Coeliac Disease. *Clinical Immunology*. 2008;126:172-9. Epub 2007 Oct 31.

2. Hunt KA, Zhernakova A, Turner G, Heap GAR, Franke L, Bruinenberg M, Romanos J, Dinesen LC, Ryan AW, Panesar D, Gwilliam R, Takeuchi F, McLaren WM, Holmes GKT, Howdle PD, Walters JRF, Sanders DS, Playford RJ, Trynka G, Mulder CJJ, Mearin ML et al. Newly identified genetic risk variants for celiac disease related to the immune response. *Nat Genet* 2008; 40:395-402. Epub 2008 Mar 2.
3. Hopman EGD, von Blomberg BME, Batstra MR, Morreau H, Wedder FW, Koning F, Lamers CBHW, Mearin ML. Gluten tolerance in adult patients with celiac disease 20 years after diagnosis. *E J Gastroenterol Hepatol* 2008; 20: 423-9.
4. Troncone R, Ivarsson A, Szajweska H, Mearin ML. Future research on coeliac disease. A position report from the European multi-stakeholder platform on coeliac disease CDEUSSA. *Alimentary Pharmacology & Therapeutics* 2008; 27:1030-43. Epub 2008 Feb 29.
5. Van Doorn RK, Winkler LMF, Zwinderman KH, Mearin ML, Koopman HM. The CDDUX: A disease-specific health-related quality-of-life questionnaire for children with celiac disease. *J Ped Gastroenterol Nutr* 2008; 47(2):147-2.
6. Fasano A, Araya M, Bhatnagar S, Cameron D, Catassi C, Dirks M, Mearin ML, Ortigosa L, Phillips A; Celiac Disease Working Group, FISPUGHAN. Federation of International Societies of Pediatric Gastroenterology, Hepatology, and Nutrition consensus report on celiac disease. *J Pediatr Gastroenterol Nutr* 2008; 47(2):214-9.
7. Schweizer J, Mearin ML. Behandeling en follow-up van coeliakie. *Praktische Pediatrie*, 2008;3: 158-163.
8. Hopman EGD, Le Cessie S, von Blomberg E, Mearin ML. Nutritional Management of the Gluten-free Diet in Young People with Celiac Disease in the Netherlands. *Ned Tijdschr voor Voeding & Diëtetiek* 2008; 02:51-8.
9. Vermeulen BAN, Hogen Esch C, Yuksel Z, Koning F, Verduijn W, Doxiadis IIN, G.M.Th. Schreuder GMTh, Mearin ML. HLA-DQ/DR associated phenotypic variance in coeliac disease. *Scand J Gastroenterol* 2009; 44(1):40-5.
10. Van Koppen EJ, Schweizer JJ, Csizmadia CGDS, Krom Y, Hylkema HB, Van Geel AM, Koopman HM; Mearin ML. The influence of mass screening on the coeliac iceberg: a 10-year follow-up. *Pediatrics* 2009; 123(4):582-8.
11. Hopman EG, Koopman HM, Wit JM, Mearin ML. Dietary compliance and health-related quality of life in patients with coeliac disease. *Eur J Gastroenterol Hepatol* 2009 Feb 7. [Epub ahead of print]
12. Trynka G, Zhernakova A, Romanos J, Franke L, Hunt KA, Turner G, Bruinenberg M, Heap GA, Platteel M, Ryan AW, Kovel de C, Holmes GKT, Howdle PD, Walters JRF, Sanders DS, Mulder CJJ, Mearin ML, Verbeek WHM, Trimble V, Stevens FM, Kelleher D, Barisani D, Bardella MT, McManus R, Heel van DH, Wijmenga C. Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kB signalling. *Gut* 2009; 58:1078-83.
13. Coenen MJ, Trynka G, Heskamp S, Franke B, van Diemen CC, Smolonska J, van Leeuwen M, Brouwer E, Boezen MH, Postma DS, Platteel M, Zanen P, Lammers JW, Groen HJ, Mali WP, Mulder CJ, Tack GJ, Verbeek WH, Wolters VM, Houwen RH, Mearin ML, van Heel DA, Radstake TR, van Riel PL, Wijmenga C, Barrera P, Zhernakova A. Common and different genetic background for rheumatoid arthritis and coeliac disease. *Hum Mol Genet.* 2009 Nov 1; 18(21):4195-203. 2009 Jul 31. [Epub ahead of print].
14. Hogen Esch CE, Csizmadia GD, van Hoogstraten IM, Schreurs MW, Mearin ML, VON Blomberg BM. Childhood coeliac disease: towards an improved serological mass screening strategy. *Aliment Pharmacol Ther.* 2009 Dec 25. [Epub ahead of print]
15. Dubois PCA, Trynka G, Franke L, Hunt KA, Romanos J, Curtotti A, Zhernakova

- A, Heap GAR, Ádány R, Aromaa A, Bardella MT, van den Berg LH, Bockett NA, de la Concha EG, Dema B, Fehrmann RSN, Fernández-Arquero M, Fiatal S, Grandone E, Mgreen P, Groen HJM, Gwilliam R, Houwen RHJ, Hunt SE, Kaukinen K, Kelleher D, Korponay-Szabo I, Kurppa K, MacMathuna P, Mäki M, Mazzilli MC, McCann OT, Mearin ML, Mein CA, Mirza MM, Mistry V, Mora B, Morley KI, Mulder CJ, Murray JA, Núñez C, Oosterom E, Ophoff RA, Polanco I, Peltonen L, Platteel M, Rybak A, Salomaa V, Schweizer JJ, Sperande MP, Tack GJ, Turner G, Veldink JH, Verbeek WHM, Weersma RK, Wolters VM, Urcelay E, Cukrowska B, Grec L, Neuhausen SL, McManus R, Barisani D, Deloukas P, Barrett JC, Saavalainen P, Wijmenga C, van Heel D. Multiple common variants for celiac disease influencing immune gene expression. *Nat Genet.* 2010 Feb 28. [Epub ahead of print]
16. Wolters VM, Alizadeh BZ, Weijerman ME, Zhernakova A, van Hoogstraten IM, Mearin ML, Wapenaar MC, Wijmenga C, Schreurs MW. Intestinal barrier gene variants may not explain the increased levels of antigliadin antibodies, suggesting other mechanisms than altered permeability. *Hum Immunol.* 2010 Apr; 71(4):392-396.