



Curriculum Vitae

Personal information **Tania Masmás**

Work experience

Since 1/11/2020, Chief physician

Pediatric hematopoietic stem cell transplantation and immunodeficiency

The Child and Adolescent Clinic

Rigshospitalet
Copenhagen University Hospital

Education and training

Januar 2000: Lægevidenskabelige embedseksamen, Sundhedsvidenskabelige Fakultet, Københavns Universitet.

Februar 2009: Ph.D. grad, Sundhedsvidenskabelige Fakultet, Københavns Universitet. Titel: "Chimerism Analysis and Graft Rejection after Allogeneic Hematopoietic Cell Transplantation with Nonmyeloablative Conditioning" (Vejleder Dr. Lars Vindeløv, Laboratoriet for Allogen Hæmatopoietisk Celle Transplantation, Hæmatologisk Afdeling L, Rigshospitalet)

2017: Pediatric Hematology/Oncology Online Review Course ("American Society of Pediatric Hematology/Oncology" (ASPHO))

Additional information

Publications

PUBLIKATIONS LISTE TANIA MASMÁS -

August 2023 HAX1-related congenital neutropenia: Long-term observation in paediatric and adult patients enrolled in the European branch of the Severe Chronic Neutropenia International Registry (SCNIR). Pogozykh D, Yilmaz Karapinar D, Klimiankou M, Gerschmann N, Ebetsberger-Dachs G, Palmblad J, Carlsson G, Masmás T, Kinsey S, Bartels M, Mellor-Heineke S, Welte K, Skokowa J, Zeidler C. *Br J Haematol.* 2023 Jul;202(2):393-411. doi: 10.1111/bjh.18840. Congenital pure red cell anemia and idiopathic very early onset of severe colitis cured by allogeneic hematopoietic stem cell transplantation. Nissen KB, Masmás TN, Nielsen RG, Christiansen M, Wlodarski M, Hasle H. *Pediatr Blood Cancer.* 2023 Jun 26:e30525. doi: 10.1002/psc.30525. Second allogeneic stem cell transplantation can rescue a significant proportion of patients with JMML relapsing after first allograft. Vinci L, Flotho C, Noellke P, Lebrecht D, Masetti R, de Haas V, De Moerloose B, Dworzak M, Hasle H, Güngör T, Starý J, Turkiewicz D, Ussowicz M, de Heredia CD, Buechner J, Jahnukainen K, Kallay K, Bodova I, Smith OP, Zecca M, Bresters D, Lang P, Masmás TN, Meisel R, Pichler H, Erlacher M, Göhring G, Locatelli F, Strahm B, Niemeyer CM, Yoshimi A. *Bone Marrow Transplant.* 2023 Feb 23. Genetic variations in low-to-medium-affinity Fcγ receptors and autoimmune neutropenia in early childhood in a Danish cohort. Kløve-Mogensen K, Steffensen R, Masmás TN, Glenthøj A, Jensen CF, Haunstrup TM, Ratcliffe P, Höglund P, Hasle H, Nielsen KR. *Int J Immunogenet.* 2023 Apr;50(2):65-74. High levels of antibodies 6 months after COVID-19 vaccination in children with severe chronic diseases: A prospective longitudinal case series. Nygaard U, Kirkby NS, Dungu KHS, Nielsen KG, Masmás T, Juul K, Born P, Buus S, Stensballe LG. *Acta Paediatr.* 2023 Apr;112(4):802-804. A novel DOCK2 variant in siblings with severe combined immunodeficiency. Bruusgaard-Mouritsen MA, Masmás T, Borgwardt L, Nazaryan-Petersen L, Heilmann C, Madsen HO, Vibeke Marquart H. *Scand J Immunol.* 2023 Mar;97(3):e13243. Telomersygdomme. Anna Byrjalsen, Anette Bygum, Charlotte Kvist Lautrup, Anja Lisbeth Frederiksen, Annette Dam Fialla, Kias Raaschou-Jensen, Elisabeth Bendstrup, Tania Nicole Masmás, Mette Klarskov & Anne Marie Jelsig Ugeskr Laeger. 2022 July;184:V03220220 Added Value of Reanalysis of Whole Exome- and Whole Genome Sequencing Data From Patients Suspected of Primary Immune Deficiency Using an Extended Gene Panel and Structural Variation Calling. Morup SB, Nazaryan-Petersen L, Gabrielaite M, Reekie J, Marquart HV, Hartling HJ, Marvig RL, Katzenstein TL, Masmás TN, Lundgren J, Murray DD, Helleberg M, Borgwardt L. *Front Immunol.* 2022 Jun 30;13:906328. ABO, secretor, and Lewis carbohydrate histo-blood groups are associated with autoimmune neutropenia of early childhood in Danish patients. Kløve-Mogensen K, Steffensen R, Masmás TN, Glenthøj A, Haunstrup TM, Ratcliffe P, Höglund P, Hasle H, Nielsen KR. *Transfusion.* 2022 Aug;62(8):1636-1642 Life-threatening viral disease in a novel form of autosomal recessive IFNAR2 deficiency in the Arctic. Duncan CJA, Skouboe MK, Howarth S, Hollensen AK, Chen R, Børresen ML, Thompson BJ, Stremenova Spegarova J, Hatton CF, Stæger FF, Andersen MK, Whittaker J, Paludan SR, Jørgensen SE, Thomsen MK, Mikkelsen JG, Heilmann C, Buhas D, Øbro NF, Bay JT, Marquart HV, de la Morena MT, Klejka JA, Hirschfeld M, Borgwardt L, Forss I, Masmás T, Poulsen A, Noya F, Rouleau G, Hansen T, Zhou S, Albrechtsen A, Alizadehfar R, Allenspach EJ, Hambleton S, Mogensen TH. *J Exp Med.* 2022 Jun 6;219(6):e20212427. doi: 10.1084/jem.20212427. Epub 2022 Apr 20. International retrospective study of allogeneic hematopoietic cell transplantation for activated PI3K-delta syndrome. Dimitrova D, Nademi Z, Maccari ME, Ehl S, Uzel G, Tomoda T, Okano T, Imai K, Carpenter B, Ip W, Rao K, Worth AJJ, Laberko A, Mukhina A, Néven B, Moshous D, Speckmann C, Warnatz K, Wehr C, Abolhassani H, Aghamohammadi A, Bleesing JJ, Dara J, Dvorak CC, Ghosh S, Kang HJ, Markelj G, Modi A, Bayer DK, Notarangelo LD, Schulz A, Garcia-Prat M, Soler-Palacín P, Karakükcü M, Yilmaz E, Gambineri E, Menconi M, Masmás TN, Holm M, Bonfim C, Prando C, Hughes S, Jolles S, Morris EC, Kapoor N, Koltan S, Paneesha S, Steward C, Wynn R, Duffner U, Gennery AR, Lankester AC, Slatter M, Kanakry JA. *J Allergy Clin Immunol.* 2022 Jan;149(1):410-421.e7. doi: 10.1016/j.jaci.2021.04.036. Epub 2021 May 24. PMID: 34033842 Association between

human leukocyte antigens (HLAs) and human neutrophil antigens (HNAs) and autoimmune neutropenia of infancy in Danish patients. Nielsen KR, Bojsen SR, Masmás TN, Fjordside AL, Baech J, Haunstrup TM, Steffensen R. *Pediatr Allergy Immunol*. 2021 May;32(4):756-761. doi: 10.1111/pai.13450. Epub 2021 Feb 9. PMID: 33421202 Treatment of monogenic disorders with viral transduced haematopoietic stem cells. Ifversen MS, Masmás TN, Kornblit B, Rieneck K, Kaastrup EK, Lund AM, Fischer-Nielsen A, Glenthøj A. *Ugeskr Laeger*. 2020 Nov 9;182(46):V06200458. PMID: 33215591 Is microchimerism a sign of imminent disease recurrence after allogeneic hematopoietic stem cell transplantation? A systematic review of the literature. Haugaard AK, Kofoed J, Masmás TN, Madsen HO, Marquart HV, Heilmann C, Müller KG, Ifversen M. *Blood Rev*. 2020 Nov;44:100673. doi: 10.1016/j.blre.2020.100673. Epub 2020 Feb 26. PMID: 32173088 Highly sensitive chimerism detection in blood is associated with increased risk of relapse after allogeneic hematopoietic cell transplantation in childhood leukemia. Haugaard AK, Madsen HO, Marquart HV, Rosthøj S, Masmás TN, Heilmann C, Müller KG, Ifversen M. *Pediatr Transplant*. 2019 Jul 16:e13549. doi: 10.1111/petr.13549. Feasibility of extracorporeal photopheresis in pediatric patients with graft-versus-host disease after hematopoietic stem cell transplantation. Winther-Jørgensen S, Nygaard M, Heilmann C, Ifversen M, Sørensen K, Müller K, Masmás T. *Pediatr Transplant*. 2019 Jun;23(4):e13416. doi: 10.1111/petr.13416. Epub 2019 Apr 11. Application of aCGH Analysis in Patients with Primary Immunodeficiency of Unknown Genetic Origin - Identification of Atypical SAP Deficiency and Coronin-1a Deficiency Masmás TN, Ifversen M, Ek J, Schejbel L, Marquart H, Müller K, Heilmann C, Kjaergaard S, Kirchoff M. *J Clin Cell Immunol* 2014, 5:2. The prognostic value of YKL-40 concentrations in nonmyeloablative conditioning allogeneic hematopoietic cell transplantation. Mørup AM, Kornblit B, Johansen JS, Masmás TN, Madsen HO, Vindeløv L, Garred P. *Biol Blood Marrow Transplant*. 2010 Oct;16(10):1370-81. Allogeneic haematopoietic cell transplantation with nonmyeloablative conditioning in Denmark. Masmás TN, Kornblit B, Sengeløv H, Madsen HO, Jakobsen BK, Olesen G, Vindeløv LL. *Dan Med Bull*. 2010 May;57(5):A4146. Degree of predicted minor histocompatibility antigen mismatch correlates with poorer clinical outcomes in nonmyeloablative allogeneic hematopoietic cell transplantation. Larsen ME, Kornblit B, Larsen MV, Masmás TN, Nielsen M, Thiim M, Garred P, Stryhn A, Lund O, Buus S, Vindeløv L. *Biol Blood Marrow Transplant*. 2010 Oct;16(10):1370-81. Association of HMGB1 polymorphisms with outcome after allogeneic hematopoietic cell transplantation. Kornblit B, Masmás T, Petersen SL, Madsen HO, Heilmann C, Schejbel L, Sengeløv H, Müller K, Garred P, Vindeløv L. *Biol Blood Marrow Transplant*. 2010 Feb;16(2):239-52. Allogeneic haematopoietic cell transplantation with nonmyeloablative conditioning in Denmark. Masmás TN, Kornblit B, Sengeløv H, Madsen HO, Jakobsen BK, Olesen G, Vindeløv LL. *Ugeskr Laeger*. 2010 May 10;172(19):1456. Danish. Health status and degree of traumatization among newly arrived asylum seeker--secondary publication. Masmás TN, Møller E, Buhmann C, Bunch V, Jensen JH, Hansen TN, Jørgensen LM, Kjaer C, Mannstaedt M, Oxholm A, Skau J, Theilade LA, Worm L, Ekstrøm M. *Ugeskr Laeger*. 2010 Jan 11;172(2):120-4. Natural T-cell responses against minor histocompatibility antigen (mHag) HY following HLA-matched hematopoietic cell transplantation: what are the requirements for a 'good' mHag? Kollgaard T, Hadrup SR, Petersen SL, Masmás TN, Andersen MH, Spierings E, Vindeløv L, Straten PT. *Leukemia*. 2008 Oct;22(10):1948-51. Graft rejection after hematopoietic cell transplantation with nonmyeloablative conditioning. Masmás TN, Petersen SL, Madsen HO, Ryder LP, Kornblit B, Svejgaard A, Andersen P, Dickmeiss E, Vindeløv LL. *Am J Hematol*. 2008 Jul;83(7):563-9. Haematopoietic cell transplantation with non-myeloablative conditioning in Denmark: disease-specific outcome, complications and hospitalization requirements of the first 100 transplants. Kornblit B, Masmás T, Madsen HO, Ryder LP, Svejgaard A, Jakobsen B, Sengeløv H, Olesen G, Heilmann C, Dickmeiss E, Petersen SL, Vindeløv L. *Bone Marrow Transplant*. 2008 May;41(10):851-9. Asylum seekers in Denmark--a study of health status and grade of traumatization of newly arrived asylum seekers. Masmás TN, Møller E, Buhmann C, Bunch V, Jensen JH, Hansen TN, Jørgensen LM, Kjaer C, Mannstaedt M, Oxholm A, Skau J, Theilade L, Worm L, Ekstrøm M. *Torture*. 2008;18(2):77-86. Inherited hemoglobin disorders in Guinea-Bissau, West Africa: a population study. Masmás TN, Garly ML, Lisse IM, Rodrigues A, Petersen PT, Birgens H. *Hemoglobin*. 2006;30(3):355-64. Evidence for involvement of clonally expanded CD8+ T cells in anticancer immune responses in CLL patients following nonmyeloablative conditioning and hematopoietic cell transplantation. Kollgaard T, Petersen SL, Hadrup SR, Masmás TN, Seremet T, Andersen MH, Madsen HO, Vindeløv L, thor Straten P. *Leukemia*. 2005 Dec;19(12):2273-80. Evaluation and automation of hematopoietic chimerism analysis based on real-time quantitative polymerase chain reaction. Masmás TN, Madsen HO, Petersen SL, Ryder LP, Svejgaard A, Alizadeh M, Vindeløv LL. *Biol Blood Marrow Transplant*. 2005 Jul;11(7):558-66. The social situation of motherless children in rural and urban areas of Guinea-Bissau. Masmás TN, Jensen H, da Silva D, Høj L, Sandström A, Aaby P. *Soc Sci Med*. 2004 Sep;59(6):1231-9. Chimerism studies in HLA-identical nonmyeloablative hematopoietic stem cell transplantation point to the donor CD8(+) T-cell count on day + 14 as a predictor of acute graft-versus-host disease. Petersen SL, Madsen HO, Ryder LP, Svejgaard A, Masmás TN, Dickmeiss E, Heilmann C, Vindeløv LL. *Biol Blood Marrow Transplant*. 2004 May;10(5):337-46. Survival among motherless children in rural and urban areas in Guinea-Bissau. Masmás TN, Jensen H, da Silva D, Høj L, Sandström A, Aaby P. *Acta Paediatr*. 2004 Jan;93(1):99-105. Spinal cord compression due to extramedullary hematopoiesis in polycythemia vera. Masmás TN, Jacobsen EC, Rasch L, Krarup-Hansen A, Birgens H. *Am J Hematol*. 2003 Aug;73(4):297-8. Occupational non-melanoma skin cancer. Lei U, Masmás TN, Frenzt G. *Acta Derm Venereol*. 2001 Nov-Dec;81(6):415-7.

Projects

Memberships

Member of scientific societies/national and international collaboration: Internationales: • Medlem af arbejdsgrupperne Stamcelletransplantation (2011-) og Aplastisk Anæmi (2011-2016) under NOPHO (Nordic Society of Paediatric Haematology and Oncology) • Dansk pædiatrisk repræsentant i Server Chronic Neutropenia International Registry SCNIR (2016 -) • Dansk repræsentant for Svær Aplastisk Anæmi i EWOG-SAA (2016/17-) • National repræsentant i Network for Innovative Diagnosis and Treatment of Chronic Neutropenias under European Cooperation in Science and Technology (COST) under EU (2019 -) • Medansvarlig ansøger af European network on rare primary immunodeficiency, autoinflammatory and autoimmune diseases (ERN-RITA) (2019 -) • Ansvarlig for (Director of local Documenting Center, BørneUngeKlinikken, RH) i ESID (European Society for Immunodeficiencies) register (2021 -) • National repræsentant i Screen4Rare ERN Expert Platform on Newborn Screening (Juli 2022 -)

Other Relevant Information