

## Publikationer 2019

**Ivanov Öfverholm I, Zachariadis V, Taylan F, Marincevic-Zuniga Y, Tran AN, Saft L, Nilsson D, Syvänen AC, Lönnerholm G, Harila-Saari A, Nordenskjöld M, Heyman M, Nordgren A, Nordlund J, Barbany G.** *Overexpression of chromatin remodeling and tyrosine kinase genes in iAMP21-positive acute lymphoblastic leukemia. Leuk Lymphoma.* 2019 Oct 22;1-10. doi: 10.1080/10428194.2019.1678153. [Epub ahead of print]

**Quist-Paulsen P, Toft N, Heyman M, Abrahamsson J, Griškevičius L, Hallböök H, Jónsson ÓG, Palk K, Vaitkeviciene G, Vettenranta K, Åsberg A, Frandsen TL, Opdahl S, Marquart HV, Siitonen S, Osnes LT, Hultdin M, Overgaard UM, Wartiovaara-Kautto U, Schmiegelow K.** *T-cell acute lymphoblastic leukemia in patients 1-45 years treated with the pediatric NOPHO ALL2008 protocol. Leukemia.* 2019 Oct 14. doi: 10.1038/s41375-019-0598-2.

**Albertsen BK, Grell K, Abrahamsson J, Lund B, Vettenranta K, Jónsson ÓG, Frandsen TL, Wolthers BO, Heyman M, Schmiegelow K.** *Intermittent Versus Continuous PEG-Asparaginase to Reduce Asparaginase-Associated Toxicities: A NOPHO ALL2008 Randomized Study. J Clin Oncol.* 2019 Jul 1;37(19):1638-1646. doi: 10.1200/JCO.18.01877. Epub 2019 Apr 12.

**Ifversen M, Turkiewicz D, Marquart HV, Winiarski J, Buechner J, Mellgren K, Arvidson J, Rascon J, Körgvee LT, Madsen HO, Abrahamsson J, Lund B, Jonsson OG, Heilmann C, Heyman M, Schmiegelow K, Vettenranta K.** *Low burden of minimal residual disease prior to transplantation in children with very high risk acute lymphoblastic leukaemia: The NOPHO ALL2008 experience. Br J Haematol.* 2019 Mar;184(6):982-993. doi: 10.1111/bjh.15761. Epub 2019 Jan 24.

**Hamadeh L, Enshaei A, Schwab C, Alonso CN, Attarbaschi A, Barbany G, den Boer ML, Boer JM, Braun M, Dalla Pozza L, Elitzur S, Emerenciano M, Fehina L, Felice MS, Fronkova E, Haltrich I, Heyman MM, Horibe K, Imamura T, Jeison M, Kovács G, Kuiper RP, Mlynarski W, Nebral K, Ivanov Öfverholm I, Pastorczak A, Pieters R, Piko H, Pombo-de-Oliveira MS, Rubio P, Strehl S, Stary J, Sutton R, Trka J, Tsaour G, Venn N, Vora A, Yano M, Harrison CJ, Moorman AV; International BFM Study Group.** *Validation of the United Kingdom copy-number alteration classifier in 3239 children with B-cell precursor ALL. Blood Adv.* 2019 Jan 22;3(2):148-157. doi: 10.1182/bloodadvances.2018025718.

**Anastasopoulou S, Eriksson MA, Heyman M, Wang C, Niinimäki R, Mikkel S, Vaitkeviciene GE, Johannsdottir IM, Myrberg IH, Jonsson OG, Als-Nielsen B, Schmiegelow K, Banerjee J, Harila-Saari A, Ranta S.** *Posterior reversible encephalopathy syndrome in children with acute lymphoblastic leukemia: Clinical characteristics, risk factors, course, and outcome of disease. Pediatr Blood Cancer.* 2019 May;66(5):e27594. doi: 10.1002/pbc.27594. Epub 2018 Dec 27.

**Haider Z, Larsson P, Landfors M, Köhn L, Schmiegelow K, Flaegstad T, Kanerva J, Heyman M, Hultdin M, Degerman S.** *An integrated transcriptome analysis in T-cell acute lymphoblastic leukemia links DNA methylation subgroups to dysregulated TAL1 and ANTP homeobox gene expression. Cancer Med.* 2019 Jan;8(1):311-324. doi: 10.1002/cam4.1917. Epub 2018 Dec 21.

**Taylan F, Bang B, Öfverholm II, Tran AN, Heyman M, Barbany G, Zachariadis V, Nordgren A.** *Somatic Structural Alterations in Childhood Leukemia Can Be Backtracked in Neonatal Dried Blood Spots by Use of Whole-Genome Sequencing and Digital PCR. Clin Chem.* 2019 Feb;65(2):345-347. doi: 10.1373/clinchem.2018.293548. Epub 2018 Dec 5.

**Højfeldt SG, Wolthers BO, Tulstrup M, Abrahamsson J, Gupta R, Harila-Saari A, Heyman M, Henriksen LT, Jónsson ÓG, Lähteenmäki PM, Lund B, Pruunsild K, Vaitkeviciene G, Schmiegelow K, Albertsen BK; Nordic Society of Paediatric Haematology Oncology (NOPHO) group.** *Genetic predisposition to PEG-asparaginase hypersensitivity in children treated according to NOPHO ALL2008.* Br J Haematol. 2019 Feb;184(3):405-417. doi: 10.1111/bjh.15660. Epub 2018 Nov 18.

**Wolthers BO, Mogensen PR, Frandsen TL, Abrahamsson J, Behrendtz M, Heyman M, Lohi O, Norén-Nyström U, Ruud E, Schmiegelow K.** *Insulin-dependent diabetes: A chronic complication to acute pancreatitis in childhood acute lymphoblastic leukemia.* Pediatr Blood Cancer. 2019 Jan;66(1):e27437. doi: 10.1002/psc.27437. Epub 2018 Sep 14.

**Moell J, Svenningsson A, Af Sandeberg M, Larsson M, Heyman M, Harila-Saari A, Nilsson A.** *Early central line-associated blood stream infections in children with cancer pose a risk for premature catheter removal.* Acta Paediatr. 2019 Feb;108(2):361-366. doi: 10.1111/apa.14432. Epub 2018 Jun 27.

**Thastrup M, Marquart HV, Levinsen M, Grell K, Abrahamsson J, Albertsen BK, Frandsen TL, Harila-Saari A, Lähteenmäki PM, Niinimäki R, Pronk CJ, Ulvmoen A, Vaitkeviciene G, Taskinen M, Schmiegelow K; Nordic Society of Pediatric Hematology and Oncology (NOPHO).** *Flow cytometric detection of leukemic blasts in cerebrospinal fluid predicts risk of relapse in childhood acute lymphoblastic leukemia: a Nordic Society of Pediatric Hematology and Oncology study.* Leukemia. 2019 Sep 18. doi: 10.1038/s41375-019-0570-1. [Epub ahead of print]

**Albertsen BK, Harila-Saari A, Jahnukainen K, Lähteenmäki P, Riikonen P, Möttönen M, Lausen B.** *Asparaginase treatment in infants with acute lymphoblastic leukemia; pharmacokinetics and asparaginase hypersensitivity in Interfant-06.* Leuk Lymphoma. 2019 Jun;60(6):1469-1475. doi: 10.1080/10428194.2018.1538507. Epub 2019 Jan 11.

**Lövgren M, Mogensen N, Harila-Saari A, Lähteenmäki PM, Kreicbergs U.** *Sweden and Finland need to improve the support provided for the siblings of children with cancer.* Acta Paediatr. 2019 Feb;108(2):369-370. doi: 10.1111/apa.14616. Epub 2018 Nov 9.

**Jarvis KB, LeBlanc M, Tulstrup M, Nielsen RL, Albertsen BK, Gupta R, Huttunen P, Jónsson ÓG, Rank CU, Ranta S, Ruud E, Saks K, Trakymiene SS, Tuckuviene R, Schmiegelow K.** *Candidate single nucleotide polymorphisms and thromboembolism in acute lymphoblastic leukemia - A NOPHO ALL2008 study.* Thromb Res. 2019 Dec;184:92-98. doi: 10.1016/j.thromres.2019.11.002. Epub 2019 Nov 7.

**Erdmann F, Feychting M, Mogensen H, Schmiegelow K, Zeeb H.** *Social Inequalities Along the Childhood Cancer Continuum: An Overview of Evidence and a Conceptual Framework to Identify Underlying Mechanisms and Pathways.* Front Public Health. 2019 Apr 18;7:84. doi: 10.3389/fpubh.2019.00084. eCollection 2019. Review.

**Nersting J, Nielsen SN, Grell K, Paerregaard M, Abrahamsson J, Lund B, Jonsson OG, Pruunsild K, Vaitkeviciene G, Kanerva J, Schmiegelow K; Nordic Society of Paediatric Haematology and Oncology (NOPHO).** *Methotrexate polyglutamate levels and co-distributions in childhood acute lymphoblastic leukemia maintenance therapy.* Cancer Chemother Pharmacol. 2019 Jan;83(1):53-60. doi: 10.1007/s00280-018-3704-7. Epub 2018 Oct 15.

**Løhmann DJA, Asdahl PH, Abrahamsson J, Ha SY, Jónsson ÓG, Kaspers GJL, Koskenvuo M, Lausen B, De Moerloose B, Palle J, Zeller B, Sung L, Hasle H.** *Associations between pretherapeutic body mass index, outcome, and cytogenetic abnormalities in pediatric acute myeloid leukemia.* Cancer Med. 2019 Nov;8(15):6634-6643. doi: 10.1002/cam4.2554. Epub 2019 Sep 18.

**Løhmann DJA, Asdahl PH, Abrahamsson J, Ha SY, Jónsson ÓG, Kaspers GJL, Koskenvuo M, Lausen B, De Moerloose B, Palle J, Zeller B, Hasle H.** *Use of granulocyte colony-stimulating factor and risk of relapse in pediatric patients treated for acute myeloid leukemia according to NOPHO-AML 2004 and DB AML-01.* Pediatr Blood Cancer. 2019 Jun;66(6):e27701. doi: 10.1002/pbc.27701. Epub 2019 Mar 7.

**Chen D, Camponeschi A, Wu Q, Gerasimcik N, Li H, Shen X, Tan Y, Sjögren H, Nordlund J, Lönnerholm G, Abrahamsson J, Fogelstrand L, Mårtensson IL.** *CD99 expression is strongly associated with clinical outcome in children with B-cell precursor acute lymphoblastic leukaemia.* Br J Haematol. 2019 Feb;184(3):418-423. doi: 10.1111/bjh.15683. Epub 2018 Nov 28.

**Wilhelmsson M, Glosli H, Ifversen M, Abrahamsson J, Winiarski J, Jahnukainen K, Hasle H; Nordic Society of Pediatric Hematology and Oncology (NOPHO).** *Long-term health outcomes in survivors of childhood AML treated with allogeneic HSCT: a NOPHO-AML Study.* Bone Marrow Transplant. 2019 May;54(5):726-736. doi: 10.1038/s41409-018-0337-8. Epub 2018 Sep 21.

**Skou AS, Olsen SØ, Nielsen LH, Glosli H, Jahnukainen K, Jarfelt M, Jónmundsson GK, Malmros J, Nysom K, Hasle H; Nordic Society of Pediatric Hematology and Oncology (NOPHO).** *Hearing Status in Survivors of Childhood Acute Myeloid Leukemia Treated With Chemotherapy Only: A NOPHO-AML Study.* J Pediatr Hematol Oncol. 2019 Jan;41(1):e12-e17. doi: 10.1097/MPH.0000000000001302.

**Tettamanti G, Ljung R, Ahlbom A, Talbäck M, Lannering B, Mathiesen T, Segerlind JP, Feychting M.** *Central nervous system tumor registration in the Swedish Cancer Register and Inpatient Register between 1990 and 2014.* Clin Epidemiol. 2019 Jan 4;11:81-92. doi: 10.2147/CLEP.S177683. eCollection 2019.