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• **Presentation Title: Post-transplantation Cyclophosphamide based Haploidentical Transplantation and Donor Lymphocyte Infusion**

• **Educational Background:**

Seoul National University College of Medicine

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Seoul National University College of Medicine, Ph.D. of Molecular and Clinical Oncology

Medical Internship, Seoul National University Hospital

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Research Associate, Biomedical Science, Korean National Institute of Health

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• **Professional Experiences:**

Scientific Researcher, Pediatric Oncology Branch, National Cancer Center,
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• **Professional Organizations**

Chairs of Transplant Registration Committee, Korean Society of Blood and
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Director of Policy Planning, Korean Society of Hematology

Member of Board of Directors, Korea Childhood Leukemia Foundation

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Member of Registry Committee, Asia-Pacific Blood and Marrow Transplantation
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Vice president, Korean Society of Gene and Cell Therapy

Director of Policy Planning, Korean Society of Pediatric Hematology-Oncology
Chair, Childhood ALL Working Party, Korean Society of Hematology
Chair, ALL Committee of Pediatric Hematology-Oncology Study Group
Chair, Immune Cell and Gene Therapy Research Group,
Director of Scientific Committee, Korean Society of Hematology
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Director of Scientific Committee, Korean Society of Pediatric Hematology-Oncology
Chair of Clinical Trials Committee, Korean Society of Blood and Marrow Transplantation
Director of Medical Info. & Social Cooperation, Korean Society of Hematology

•**Main Scientific Publications:**

1. Kang HJ, Kim SC, Kim YJ, Kim CW, Kim JG, Ahn HS, Park SI, Jung MH, Choi BC, Kimm K. Short-term phytohaemagglutinin-activated mononuclear cells induce endothelial progenitor cells from cord blood CD34+ cells. *Br J Haematol.* 2001 Jun;113(4):962-9
2. Kang HJ, Shin HY, Choi HS, Ahn HS. Novel regimen for the treatment of juvenile myelomonocytic leukemia (JMML). *Leuk Res.* 2004 Feb;28(2):167-70.
3. Kang HJ, Shin HY, Choi HS, Han KS, Ahn HS. Autologous peripheral blood stem cell transplantation with BCVAC conditioning in childhood acute myeloid leukemia. *Bone Marrow Transplant.* 2004 Mar;33(5):471-6.
4. Ryu KH, Cho SJ, Jung YJ, Seoh JY, Kie JH, Koh SH, Kang HJ, Ahn HS, Shin HY. In vitro generation of functional dendritic cells from human umbilical cord blood CD34+ cells by a 2-step culture method. *Int J Hematol.* 2004 Oct;80(3):281-6.
5. Kang HJ, Shin HY, Choi HS, Ahn HS. Fludarabine, cyclophosphamide plus thymoglobulin conditioning regimen for unrelated bone marrow transplantation in severe aplastic anemia. *Bone Marrow Transplant.* 2004 Dec;34(11):939-943.
6. Koh SH, Choi HS, Park ES, Kang HJ, Ahn HS, Shin HY. Co-culture of human CD34+ cells with mesenchymal stem cells increases the survival of CD34+ cells against the 5-aza-deoxycytidine- or trichostatin A-induced cell death. *Biochem Biophys Res Commun.* 2005 Apr 15;329(3):1039-45.

7. Kang HJ, Hong S, Kim I, Park B, Han KS, Cho HI, Shin HY, Ahn HS. Prognostic significance of FLT3 mutations in pediatric non-promyelocytic acute myeloid leukemia. *Leuk Res.* 2005 Jun;29(6):617-23.
8. Shin HY, Kang HJ, Park ES, Choi HS, Ahn HS, Kim SY, Chung NG, Kim HK, Kim SY, Kook H, Hwang TJ, Lee KC, Lee SM, Lee KS, Yoo KH, Koo HH, Lee MJ, Seo JJ, Moon HN, Ghim T, Lyu CJ, Lee WS, Choi YM, Recombinant urate oxidase (rasburicase) for the treatment of hyperuricemia in pediatric patients with hematologic malignancies: results of a compassionate prospective multicenter study in Korea. *Pediatr Blood & Cancer.* 2006 Apr;46(4):439-45.
9. Park ES, Kang HJ, Shin HY, Ahn HS. Improved Survival in Patients with Recurrent Wilms Tumor: the Experience of the Seoul National University Children's Hospital. *J Korean Med Sci.* 2006 Jun;21(3):436-40.
10. Kang HJ, Kho SH, Jang MK, Lee SH, Shin HY, Ahn HS. Early engraftment kinetics of two units cord blood transplantation. *Bone Marrow Transplant.* 2006 Aug;38(3):197-201.
11. Choi J, Hwang YK, Sung KW, Lee SH, Yoo KH, Jung HL, Koo HH, Kim HJ, Kang HJ, Shin HY, Ahn HS. Expression of Livin, an antiapoptotic protein, is an independent favorable prognostic factor in childhood acute lymphoblastic leukemia. *Blood.* 2007 Jan 15;109(2):471-7.
12. Park JY, Lee S, Kang HJ, Kim HS, Park SY. Primary Ewing's sarcoma-primitive neuroectodermal tumor of the uterus: A case report and literature review. *GynecolOncol.* 2007 Aug;106(2):427-32.
13. Lee J, Pai H, Kim YK, Kim NH, Eun BW, Kang HJ, Park KH, Choi EH, Shin HY, Kim EC, Lee HJ, Ahn HS. Control of extended-spectrum β -lactamase-producing *Escherichia coli* and *Klebsiella pneumoniae* in a children's hospital by changing antimicrobial agent usage policy. *J Antimicrob Chemother.* 2007 Sep;60(3):629-37.
14. Kim EK, Kang HJ, Park JA, Choi HS, Shin HY, Ahn HS. Retrospective analysis of peripheral blood stem cell transplantation for the treatment of high-risk neuroblastoma. *J Korean Med Sci.* 2007 Sep;22 Suppl:S66-72.
15. Seo YJ, Koh SH, Kang HJ, Shin HY, Jeong G, Ahn HS. Hypoxia inhibits the SDF-1-dependent migration of human leukemic cell line HL-60 via blocking of Akt activation. *Biochem Biophys Res Commun.* 2007 Dec 14;364(2):388-94

16. Kang HJ, Shin HY, Ko SH, Park JA, Kim EK, Rhim JW, Kim JG, Ahn HS. Unrelated bone marrow transplantation with a reduced toxicity myeloablative conditioning regimen in Wiskott-Aldrich syndrome. *J Korean Med Sci.* 2008 Feb;23(1):146-8.
17. Park JA, Yun JH, Kang HJ, Shin HY, Ahn HS. Acute intestinal pseudo-obstruction after induction treatment of relapsed acute promyelocytic leukemia with arsenic trioxide. *Pediatr Blood Cancer.* 2008 Apr;50(4):872-4.
18. An SB, Cheon JE, Kim IO, Kim WS, Ahn HS, Shin HY, Kang HJ, Yeon KM. Granulocytic sarcoma presenting with necrotic cervical lymph nodes as an initial manifestation of childhood leukaemia: imaging features. *Pediatr Radiol.* 2008 Jun;38(6):685-7.
19. Kang HJ, Oh Y, Chun SM, Seo YJ, Shin HY, Kim CW, Ahn HS, Han BD. TotalPlex gene amplification using bulging primers for pharmacogenetic analysis of acute lymphoblastic leukemia. *Mol Cell Probes.* 2008 Jun;22(3):193-200.
20. Eom KY, Kim IH, Park CI, Kim HJ, Kim JH, Kim K, Kim SK, Wang KC, Cho BG, Jung HW, Heo DS, Kang HJ, Shin HY, Ahn HS. Upfront chemotherapy and involved-field radiotherapy results in more relapses than extended radiotherapy for intracranial germinomas: modification in radiotherapy volume might be needed. *Int J Radiat Oncol Biol Phys.* 2008 Jul 1;71(3):667-71.
21. Lee HR, Kang SH, Kang HJ, Shin HY, Ahn HS, Kim HK, Park MH, Cho HI, Lee DS. Lineage switch from acute myeloid leukemia to biphenotypic acute leukemia with acquisition of Philadelphia chromosome. *Cancer Genet Cytogenet.* 2008 Jul 15;184(2):124-6.
22. Bang SM, Ahn JY, Park J, Park SH, Park J, Cho EK, Shin DB, Lee JH, Yoo SJ, Jeon IS, Kim YK, Kim HJ, Kim HN, Lee IK, Kang HJ, Shin HY, Ahn HS. Low Frequency and Variability of FLT3 Mutations in Korean Patients with Acute Myeloid Leukemia. *J Korean Med Sci.* 2008 Oct;23(5):833-837.
23. Lee KM, Ward MH, Han S, Ahn HS, Kang HJ, Choi HS, Shin HY, Koo HH, Seo JJ, Choi JE, Ahn YO, Kang D. Paternal smoking, genetic polymorphisms in CYP1A1 and childhood leukemia risk. *Leuk Res.* 2009 Feb;33(2):250-258.
24. Yoon JH, Park JA, Kim EK, Kang HJ, Shin HY, Ahn HS. Improvement of Induction Remission Rate by Modifying the Dose of Idarubicin for Relapsed Childhood Acute Lymphoblastic Leukemia. *J Korean Med Sci.* 2009 Apr;24(2):281-8.

25. Lee JW, Kang HJ, Park JD, Shin HY, Ahn HS. Early pulmonary complications after hematopoietic stem cell transplantation in pediatric patients: association with cytomegalovirus infection. *J Pediatr Hematol Oncol*. 2009 Aug;31(8):545-51.
26. Lee JW, Kang HJ, Kim EK, Shin HY, Ahn HS. Successful salvage unrelated umbilical cord blood transplantation with two units after engraftment failure with single unit in severe aplastic anemia. *J Korean Med Sci*. 2009 Aug;24(4):744-6
27. Kim M, Kang HJ, Shin HY, Ahn HS, Lee DS. Concurrent langerhans cell histiocytosis and B-lineage lymphoid proliferation in the bone marrow. *Korean J Lab Med*. 2009 Oct;29(5):402-5. PMID:19893348
28. Kim M, Yim SH, Cho NS, Kang SH, Ko DH, Oh B, Kim TY, Min HJ, She CJ, Kang HJ, Shin HY, Ahn HS, Yoon SS, Kim BK, Shin HR, Han KS, Cho HI, Lee DS. Homozygous deletion of CDKN2A (p16, p14) and CDKN2B (p15) genes is a poor prognostic factor in adult but not in childhood B-lineage acute lymphoblastic leukemia: a comparative deletion and hypermethylation study. *Cancer Genet Cytogenet*. 2009 Nov;195(1):59-65.
29. Lee JW, Kang HJ, Kim EK, Kim H, Shin HY, Ahn HS. Effect of iron overload and iron chelating therapy on allogeneic hematopoietic stem cell transplantation in children. *Bone Marrow Transplant*. 2009 44(12):793-7.
30. Song EY, Kang HJ, Shin HY, Ahn HS, Kim I, Yoon SS, Park S, Kim BK, Park MH. Association of human leukocyte antigen class II alleles with response to immunosuppressive therapy in Korean aplastic anemia patients. *Hum Immunol*. 2010 Jan;71(1):88-92.
31. Lee DH, Chung NG, Cho B, Kim HK, Kang HJ, Shin HY, Ahn HS, Yoo KH, Sung KW, Koo HH, Kook H, Hwang TJ, Im HJ, Seo JJ, Park HJ. Idarubicin plus behenoylcytarabine and 6-thioguanine compares favorably with idarubicin plus cytarabine-based regimen for children with previously untreated acute myeloid leukemia: 10-year retrospective, multicenter study in Korea. *J Korean Med Sci*. 2010 Jan;25(1):9-15.
32. Lee JY, Kim BS, Phi JH, Kang HJ, Park SH, Wang KC, Kim IH, Cho BK, Kim SK. Primary meningeal rhabdomyosarcoma associated with chronic subdural effusion. *J Neurosurg Pediatr*. 2010 Feb;5(2):167-71. PMID: 20121365
33. Yoon HS, Kim HJ, Yoo KH, Sung KW, Koo HH, Kang HJ, Shin HY, Ahn HS, Kim JY, Lim YT, Bae KW, Lee KO, Shin JS, Lee ST, Chung HS, Kim SH, Park

CJ, Chi HS, Im HJ, Seo JJ. The UNC13D gene is the predominant causative gene with recurrent splicing mutations in Korean patients with familial hemophagocytic lymphohistiocytosis. *Haematologica*. 2010 Apr;95(4):622-6.

34. Sung KW, Ahn HS, Cho B, Choi YM, Chung NG, Hwang TJ, Im HJ, Jeong DC, Kang HJ, Koo HH, Kook H, Kim HK, Lyu CJ, Seo JJ, Shin HY, Yoo KH, Won SC, Lee KS. Efficacy of tandem high-dose chemotherapy and autologous stem cell rescue in patients over 1 year of age with stage 4 neuroblastoma: the Korean Society of Pediatric Hematology-Oncology experience over 6 years (2000-2005). *J Korean Med Sci*. 2010 May;25(5):691-7.

35. Kang HJ, Lee JW, Kim H, Shin HY, Ahn HS. Successful first-line treatment with double umbilical cord blood transplantation in severe aplastic anemia. *Bone Marrow Transplant*. 2010 May;45(5):955-6.

36. Kang HJ, Lee JW, Kho SH, Kim MJ, Seo YJ, Kim H, Shin HY, Ahn HS. High transcript level of FLT3 associated with high risk of relapse in pediatric acute myeloid leukemia. *J Korean Med Sci*. 2010 Jun;25(6):841-5.

37. Han S, Lan Q, Park AK, Lee KM, Park SK, Ahn HS, Shin HY, Kang HJ, Koo HH, Seo JJ, Choi JE, Ahn YO, Chanock SJ, Kim H, Rothman N, Kang D. Polymorphisms in innate immunity genes and risk of childhood leukemia. *Hum Immunol*. 2010 Jul;71(7):727-30.

38. Park JE, Kang J, Yoo KH, Sung KW, Koo HH, Lim do H, Shin HJ, Kang HJ, Park KD, Shin HY, Kim IH, Cho BK, Im HJ, Seo JJ, Park HJ, Park BK, Ahn HS. Efficacy of High-dose Chemotherapy and Autologous Stem Cell Transplantation in Patients with Relapsed Medulloblastoma: A Report on The Korean Society for Pediatric Neuro-Oncology (KSPNO)-S-053 Study. *J Korean Med Sci*. 2010 Aug;25(8):1160-6.

39. Lee SH, Yoo KH, Sung KW, Koo HH, Kwon YJ, Kwon MM, Park HJ, Park BK, Kim YY, Park JA, Im HJ, Seo JJ, Kang HJ, Shin HY, Ahn HS. Hepatic veno-occlusive disease in children after hematopoietic stem cell transplantation: incidence, risk factors, and outcome. *Bone Marrow Transplant*. 2010 Aug;45(8):1287-93.

40. Choi HS, Park ES, Kang HJ, Shin HY, Noh CI, Yun YS, Ahn HS, Choi JY. Dexrazoxane for preventing anthracycline cardiotoxicity in children with solid tumors. *J Korean Med Sci*. 2010 Sep;25(9):1336-42.

41. Yoon HS, Im HJ, Moon HN, Lee JH, Kim HJ, Yoo KH, Sung KW, Koo HH,

Kang HJ, Shin HY, Ahn HS, Cho B, Kim HK, Lyu CJ, Lee MJ, Kook H, Hwang TJ, Seo JJ. The outcome of hematopoietic stem cell transplantation in Korean children with hemophagocytic lymphohistiocytosis. *Pediatr Transplant*. 2010 Sep 1;14(6):735-40.

42. Han S, Lee KM, Park SK, Lee JE, Ahn HS, Shin HY, Kang HJ, Koo HH, Seog JJ, Choi JE, Ahn YO, Kang D. Genome-wide association study of childhood acute lymphoblastic leukemia in Korea. *Leuk Res*. 2010 Oct;34(10):1271-1274.

43. Kang HJ, Yoo KH, Lee JW, Kim H, Lee SH, Sung KW, Park KD, Koo HH, Shin HY, Ahn HS. Double umbilical cord blood transplantation for children and adolescents. *Ann Hematol*. 2010 Oct;89(10):1035-44.

44. Kang HJ, Shin HY, Park JE, Chung NG, Cho B, Kim HK, Kim SY, Lee YH, Lim YT, Yoo KH, Sung KW, Koo HH, Im HJ, Seo JJ, Park SK, Ahn HS; The Korean Society of Pediatric Hematology-Oncology. Successful engraftment with fludarabine, cyclophosphamide and thymoglobulin conditioning regimen in unrelated transplantation for severe aplastic anemia: A phase II prospective multicenter study. *Biol Blood Marrow Transplant*. 2010 Nov;16(11):1582-8.

45. Kim SJ, Lee JW, Jung CW, Min CK, Cho B, Shin HJ, Chung JS, Kim H, Lee WS, Joo YD, Yang DH, Kook H, Kang HJ, Ahn HS, Yoon SS, Sohn SK, Min YH, Min WS, Park HS, Won JH. Weekly rituximab followed by monthly rituximab treatment for steroid-refractory chronic graft-versus-host disease: Results from a prospective multicenter phase II study. *Haematologica*. 2010 Nov;95(11):1935-42.

46. Kim TJ, Kim N, Kang HJ, Kim EO, Kim ST, Ahn HS, Bluestone JA, Lee KM. FK506 causes cellular and functional defects in human natural killer cells. *J Leukoc Biol*. 2010 Dec;88(6):1089-1097.

47. Yoo KH, Lee SH, Sung KW, Koo HH, Chung NG, Cho B, Kim HK, Kang HJ, Shin HY, Ahn HS, Baek HJ, Han DK, Kook H, Hwang TJ, Kim SY, Lee YH, Hah JO, Im HJ, Seo JJ, Park SK, Jung HJ, Park JE, Lim YJ, Park SS, Lim YT, Yoo ES, Ryu KH, Park HJ, Park BK. Current status of pediatric umbilical cord blood transplantation in Korea: a multicenter retrospective analysis of 236 cases. *Am J Hematol*. 2011 Jan;86(1):12-7.

48. Park HJ, Oh Y, Kang HJ, Han EJ, Shin HY, Ahn HS, Ahn KS, Yoon BH, Han BD. A gene-specific primer extension and liquid bead array system for killer-cell immunoglobulin-like receptor genotyping. *Tissue Antigens*. 2011 Mar;77(3):251-6. PMID: 21299533

49. Jeong DC, Chung NG, Kang HJ, Koo HH, Kook H, Kim SK, Kim SY, Kim HS, Kim HM, Park KD, Park SK, Park JS, Park JE, Park HJ, Park YS, Seo JJ, Sung KW, Shin HY, Ahn HS, Ryu KH, Ryu KH, Yoo ES, Lyu CJ, Lee KS, Lee KC, Lee SY, Lee YH, Lim YT, Lim YJ, Jung HL, Cho B, Choi YM, Hah JO, Hwang TJ, Kim HK. Epidemiology and Clinical Long-term Outcome of Childhood Aplastic Anemia in Korea for 15 Years: Retrospective Study of the Korean Society of Pediatric Hematology Oncology (KSPHO). *J PediatrHematolOncol*. 2011 Apr;33(3):172-178.

50. Kim MS, Kang HJ, Park HJ, Yook YJ, Han BD, Kim CW, Kim NH, Lee JW, Kim H, Park KD, Shin HY, Ahn HS. Development of multiplex PCR method for the analysis of glutathione s-transferase polymorphism. *MolDiagnTher*. 2011 Oct 1;15(5):285-92.

51. Kang HJ, Bartholomae CC, Paruzynski A, Arens A, Kim S, Yu SS, Hong Y, Joo CW, Yoon NK, Rhim JW, Kim JG, Von Kalle C, Schmidt M, Kim S, Ahn HS. Retroviral Gene Therapy for X-linked Chronic Granulomatous Disease: Results From Phase I/II Trial. *MolTher*. 2011 Nov;19(11):2092-101.

52. Ko DH, Jeon Y, Kang HJ, Park KD, Shin HY, Kim HK, Cho HI, Ahn HS, Lee DS. Native ETV6 deletions accompanied by ETV6-RUNX1 rearrangements are associated with a favourable prognosis in childhood acute lymphoblastic leukaemia: a candidate for prognostic marker. *Br J Haematol*. 2011 Nov;155(4):530-3.

53. Ahn YH, Kang HJ, Shin HY, Ahn HS, Choi Y, Kang HG. Tumour lysis syndrome in children: experience of last decade. *HematolOncol*. 2011 Dec;29(4):196-201.

54. Park S, Kang HJ, Cho SI, Kim SY, Seong MW, Park SS. A case report of a male patient with Hb Hammersmith [β 42(CD1)Phe \rightarrow Ser, TTT>TCT]. *Hemoglobin*. 2012;36(2):161-5.

55. Song N, Han S, Lee KM, Choi JY, Park SK, Jeon S, Lee Y, Ahn HS, Shin HY, Kang HJ, Koo HH, Seo JJ, Choi JE, Kang D. Genetic Variants in Interleukin-2 and Risk of Lymphoma among Children in Korea. *Asian Pac J Cancer Prev*. 2012;13(2):621-3.

56. Han S, Koo HH, Lan Q, Lee KM, Park AK, Park SK, Sung H, Ahn HS, Shin HY, Kang HJ, Seo JJ, Ahn YO, Kim H, Rothman N, Kang D. Common variation in genes related to immune response and risk of childhood leukemia. *Hum*

Immunol. 2012 Mar;73(3):316-9.

57. Hong KT, Kang HJ, Kim NH, Kim MS, Lee JW, Kim H, Park KD, Shin HY, Ahn HS. Successful mobilization using a combination of plerixafor and G-CSF in pediatric patients who failed previous chemomobilization with G-CSF alone and possible complications of the treatment. *J Hematol Oncol.* 2012 Mar 30;5(1):14.

58. Kim H, Kang HJ, Lee JW, Park KD, Shin HY, Ahn HS. Early engraftment of G-CSF-primed allogeneic bone marrow transplantation in pediatric patients regardless of donor-recipient weight differences. *Ann Hematol.* 2012 May;91(5):751-8.

59. Lee JW, Kang HJ, Lee SH, Yu K, Kim NH, Yuk YJ, Jang MK, Han EJ, Kim H, Park KD, Shin HY, Jang I, Ahn HS. Highly variable pharmacokinetics of once-daily intravenous busulfan when combined with fludarabine in pediatric patients: Phase I clinical study for determination of optimal once-daily busulfan dose using pharmacokinetic modeling. *Biol Blood Marrow Transplant.* 2012 Jun;18(6):944-50.

60. Park C, Han S, Lee KM, Choi JY, Song N, Jeon S, Park SK, Ahn HS, Shin HY, Kang HJ, Koo HH, Seo JJ, Choi JE, Kang D. Association between CASP7 and CASP14 genetic polymorphisms and the risk of childhood leukemia. *Hum Immunol.* 2012 Jul;73(7):736-9.

61. Lee HJ, Park S, Kang HJ, Jun JK, Lee JA, Lee DS, Park SS, Seong MW. A case report of fanconi anemia diagnosed by genetic testing followed by prenatal diagnosis. *Ann Lab Med.* 2012 Sep;32(5):380-4.

62. Jeon YK, Go H, Nam SJ, Keam B, Kim TM, Jung KC, Kang HJ, Lee DS, Huh JR, Park SH. Expression of the promyelocytic leukemia zinc-finger in T-lymphoblastic lymphoma and leukemia has strong implications for their cellular origin and greater association with initial bone marrow involvement. *Mod Pathol.* 2012 Sep;25(9):1236-45.

63. Kim H, Kang HJ, Kim HJ, Jang MK, Kim NH, Oh Y, Han BD, Choi JY, Kim CW, Lee JW, Park KD, Shin HY, Ahn HS. Pharmacogenetic Analysis of Pediatric Patients with Acute Lymphoblastic Leukemia: A Possible Association between Survival Rate and ITPA Polymorphism. *PLoS One.* 2012;7(9):e45558. 2012 Sep 24.

64. Yoon JH, Kang HJ, Kim H, Lee JW, Park JD, Park KD, Shin HY, Ahn HS.

Successful Treatment of Primary Central Nervous System Lymphoma without Irradiation in Children: Single Center Experience. *J Korean Med Sci.* 2012 Nov;27(11):1378-84.

65. Kim H, Kim NH, Kang HJ, Lee JW, Kim MS, Park KD, Shin HY, Ahn HS. Successful long-term use of imatinibmesylate in pediatric patients with sclerodermatous chronic GVHD. *Pediatr Transplant.* 2012 Dec;16(8):910-2.

66. Choi JH, Choi EH, Kang HJ, Park KD, Park SS, Shin HY, Lee HJ, Ahn HS. Respiratory viral infections after hematopoietic stem cell transplantation in children. *J Korean Med Sci.* 2013 Jan;28(1):36-41.

67. Chung SJ, Park SW, Kim MK, Kang MJ, Lee YA, Lee SY, Shin CH, Yang SW, Kang HJ, Park KD, Shin HY, Ahn HS. Growth after hematopoietic stem cell transplantation in children with acute myeloid leukemia. *J Korean Med Sci.* 2013 Jan;28(1):106-13.

68. Seo JY, Song JS, Lee KO, Won HH, Kim JW, Kim SH, Lee SH, Yoo KH, Sung KW, Koo HH, Kang HJ, Shin HY, Ahn HS, Han DK, Kook H, Hwang TJ, Lyu CJ, Lee MJ, Kim JY, Park SS, Lim YT, Kim BE, Koh KN, Im HJ, Seo JJ, Kim HJ; on behalf of the Korea Histiocytosis Working Party. Founder effects in two predominant intronic mutations of UNC13D, c.118-308C>T and c.754-1G>C underlie the unusual predominance of type 3 familial hemophagocytic lymphohistiocytosis (FHL3) in Korea. *Ann Hematol.* 2013 Mar;92(3):357-64.

69. Hong KT, Kang HJ, Kim NH, Kim MS, Lee JW, Kim H, Park KD, Shin HY, Ahn HS. Peri-engraftment syndrome in allogeneic hematopoietic SCT. *Bone Marrow Transplant.* 2013 Apr;48(4):523-8.

70. Park M, Lee SH, Lee YH, Yoo KH, Sung KW, Koo HH, Kang HJ, Park KD, Shin HY, Ahn HS, Chung NG, Cho B, Kim HK, Koh KN, Im HJ, Seo JJ, Han DK, Baek HJ, Kook H, Hwang TJ, Lee EK, Hah JO, Lim YJ, Jung HJ, Park JE, Jang MJ, Chong SY, Oh D. Pre-engraftment syndrome after unrelated cord blood transplantation: a predictor of engraftment and acute graft-versus-host disease. *Biol Blood Marrow Transplant.* 2013 Apr;19(4):640-6.

71. Seo S, Ahn H, Yu Y, Kang H, Park K, Cho S, Park J, Hyun Y, Kim J, Seong MW, Park S. Mutation spectrum of RB1 gene in Korean bilateral retinoblastoma patients using direct sequencing and gene dosage analysis. *Clin Genet.* 2013 May;83(5):494-6.

72. Lee JW, Kang HJ, Choi JY, Kim NH, Jang MK, Yeo CW, Lee SS, Kim H, Park JD, Park KD, Shin HY, Shin JG, Ahn HS. Pharmacogenetic study of deferasirox, an iron chelating agent. *PLoS One*. 2013 May 30;8(5):e64114. PMID: 23737969
73. Lee YW, Yang EA, Kang HJ, Yang X, Mitsuiki N, Ohara O, Miyawaki T, Kanegane H, Lee JH. Novel mutation of IL2RG gene in a Korean boy with X-linked severe combined immunodeficiency. *J Invest Allergol Clin Immunol*. 2013;23(1):65-7. PMID: 23653982
74. Jeon S, Han S, Lee K, Choi J, Park SK, Park AK, Ahn HS, Shin HY, Kang HJ, Koo HH, Seo JJ, Choi JE, Kim H, Ahn Y, Kang D. Genetic variants of AICDA/CASP14 associated with childhood brain tumor. *Genet Mol Res*. 2013 Jun 20;12(2):2024-31. PMID: 23408445
75. Baek HJ, Park HJ, Sung KW, Lee SH, Han JW, Koh KN, Im HJ, Kang HJ, Park KD. Myeloablative chemotherapy and autologous stem cell transplantation in patients with relapsed or progressed central nervous system germ cell tumors: results of Korean Society of Pediatric Neuro-Oncology (KSPNO) S-053 study. *J Neurooncol*. 2013 Sep;114(3):329-38. PMID:23824533
76. Kim H, Kang HJ, Lee JW, Park JD, Park KD, Shin HY, Ahn HS. Irinotecan, vincristine, cisplatin, cyclophosphamide, and etoposide for refractory or relapsed medulloblastoma/PNET in pediatric patients. *Childs Nerv Syst*. 2013 Oct;29(10):1851-8. PMID: 23748464
77. Hong CR, Kang HJ, Lee JW, Kim H, Kim NH, Park KD, Park JD, Seong MW, Park SS, Shin HY, Ahn HS. Clinical characteristics of pediatric thalassemia in Korea: a single institute experience. *J Korean Med Sci*. 2013 Nov;28(11):1645-9. PMID:24265529
78. Park HJ, Yang HK, Shin DW, Kim YY, Kim YA, Yun YH, Nam BH, Bhatia S, Park BK, Ghim TT, Kang HJ, Park KD, Shin HY, Ahn HS. Cross-cultural adaptation of the korean version of the minneapolis-manchester quality of life instrument-adolescent form. *J Korean Med Sci*. 2013 Dec;28(12):1788-95. PMID:24339710
79. Moon SY, Lim MK, Hong S, Jeon Y, Han M, Song SH, Lim KS, Yu KS, Jang IJ, Lee JW, Kang HJ, Song J. Quantification of human plasma-busulfan concentration by liquid chromatography-tandem mass spectrometry. *Ann Lab Med*. 2014 Jan;34(1):7-14. PMID:24422189

80. Choi M, Kim MS, Park SY, Park GH, Jo SJ, Cho KH, Lee JW, Park KD, Shin HY, Kang HJ, Kwon O. Clinical characteristics of chemotherapy-induced alopecia in childhood. *J Am Acad Dermatol*. 2014 Mar;70(3):499-505 PMID:24355411

81. Kim BE, Koh KN, Suh JK, Im HJ, Song JS, Lee JW, Kang HJ, Park KD, Shin HY, Choi HS, Lee SH, Yoo KH, Sung KW, Koo HH, Jung HL, Chung NG, Cho B, Kim HK, Lyu CJ, Baek HJ, Kook H, Park JE, Park HJ, Park BK, Yoo ES, Ryu KH, Lee KS, Kim HS, Lee JM, Park ES, Yoon HS, Lee KC, Lee MJ, Lim YT, Kim HM, Park SK, Park JA, Kim SK, Park M, Lim YJ, Lee YH, Seo JJ; on the behalf of Korea Histiocytosis Working Party. Clinical Features and Treatment Outcomes of Langerhans Cell Histiocytosis: A Nationwide Survey From Korea Histiocytosis Working Party. *J Pediatr Hematol Oncol*. 2014 Mar;36(2):125-33. PMID:24276037

82. Park M, Lee YH, Kang HR, Lee JW, Kang HJ, Park KD, Shin HY, Ahn HS, Baek HJ, Kook H, Hwang TJ, Lee JW, Chung NG, Cho B, Kim HK, Lee SH, Yoo KH, Sung KW, Koo HH, Koh KN, Im HJ, Seo JJ, Park JE, Lim YJ, Lyu CJ, Lee JM, Hah JO; on behalf of the Korean Cord Blood Transplantation Working Party. Unrelated donor cord blood transplantation for non-malignant disorders in children and adolescents. *Pediatr Transplant*. 2014 Mar;18(2):221-9. PMID:24372660

83. Lee JW, Shin HY, Kang HJ, Kim H, Park JD, Park KD, Kim HS, Park SH, Wang KC, Ahn HS. Clinical characteristics and treatment outcome of langerhans cell histiocytosis: 22 years' experience of 154 patients at a single center. *Pediatr Hematol Oncol*. 2014 Apr;31(3):293-302. PMID:24397251

84. Park JD, Kang HJ, Kim YA, Jo M, Lee ES, Shin HY, Yun YH. Trends in the aggressiveness of end-of-life care for Korean pediatric cancer patients who died in 2007-2010. *PLoS One*. 2014 Jun 12;9(6):e99888. 2014. PMID:24923320

85. Park HJ, Park M, Han M, Nam BH, Koh KN, Im HJ, Lee JW, Chung NG, Cho B, Kim HK, Yoo KH, Koo HH, Kang HJ, Shin HY, Ahn HS, Lim YT, Kook H, Lyu CJ, Hah JO, Park JE, Lim YJ, Seo JJ. Efficacy and safety of micafungin for the prophylaxis of invasive fungal infection during neutropenia in children and adolescents undergoing allogeneic hematopoietic SCT. *Bone Marrow Transplant*. 2014 Sep;49(9):1212-6. PMID:25000455

86. Song S, Park HJ, Yoon JH, Kim DW, Park J, Shin D, Shin SH, Kang HJ, Kim SK, Phi JH, Kim JY. Proton beam therapy reduces the incidence of acute haematological and gastrointestinal toxicities associated with craniospinal

irradiation in pediatric brain tumors. *ActaOncol.* 2014 Sep;53(9):1158-64. PMID:24913151

87. Lee JA, Choi SY, Kang HJ, Lee JW, Kim H, Kim JH, Sung KW, Shin HY, Ahn HS, Park KD. Treatment outcome of osteosarcoma after bilateral retinoblastoma: a retrospective study of eight cases. *Br J Ophthalmol.* 2014 Oct;98(10):1355-9. PMID:24795337

88. Yoon JH, Kim H, Lee JW, Kang HJ, Park HJ, Park KD, Park BK, Shin HY, Park JD, Park SH, Ahn HS. Ewing Sarcoma/Peripheral Primitive Neuroectodermal Tumor in the Adrenal Gland of an Adolescent: A Case Report and Review of the Literature. *J PediatrHematolOncol.* 2014 Oct;36(7):e456-9 PMID:24276043

89. Kim H, Park ES, Lee SH, Koo HH, Kim HS, Lyu CJ, Jun SE, Lim YT, Baek HJ, Kook H, Lee JW, Kang HJ, Park KD, Shin HY, Ahn HS. Clinical Outcome of Relapsed or Refractory Burkitt Lymphoma and Mature B-Cell Lymphoblastic Leukemia in Children and Adolescents. *Cancer Res Treat.* 2014 Oct;46(4):358-65. PMID:25043820

90. Garcia A, Yi NJ, Lee KB, Lee JM, Choi YR, Suh SW, You T, Lee KW, Park JD, Kang HJ, Kim JG, Kang EK, Hong G, Suh KS. Fulminant hepatitis linked to dapsone hypersensitivity syndrome requiring urgent living donor liver transplantation: A case report. *Pediatr Transplant.* 2014 Nov;18(7):E240-5. PMID:25156688

91. Lee JW, Kang HJ, Kim S, Lee S, Yu KS, Kim NH, Jang MK, Kim H, Song SH, Park JD, Park KD, Shin HY, Jang IJ, Ahn HS. Favorable outcome of hematopoietic stem cell transplantation using a targeted once-daily IV busulfanfludarabine etoposide regimen in pediatric and infant ALL patients. *Biol Blood Marrow Transplant.* 2015 Jan;21(1):190-5. PMID:25255163

92. Koh KN, Im HJ, Chung NG, Cho B, Kang HJ, Shin HY, Lyu CJ, Yoo KH, Koo HH, Kim HJ, Baek HJ, Kook H, Yoon HS, Lim YT, Kim HS, Ryu KH, Seo JJ; the Korea Histiocytosis Working Party. Clinical features, genetics, and outcome of pediatric patients with hemophagocytic lymphohistiocytosis in Korea: report of a nationwide survey from Korea Histiocytosis Working Party. *Eur J Haematol.* 2015 Jan;94(1):51-9. PMID:24935083

93. Yi Y, Kang HJ, Shin HY, Kim K. Progressive Myelopathy Mimicking Subacute Combined Degeneration After Intrathecal Chemotherapy. 2015

Feb;30(2):246-9. PMID:24659737

94. Park M, Lee YH, Lee SH, Yoo KH, Sung KW, Koo HH, Lee JW, Kang HJ, Park KD, Shin HY, Ahn HS, Lee JW, Chung NG, Cho B, Kim HK, Koh KN, Im HJ, Seo JJ, Baek HJ, Kook H, Hwang TJ, Lee JM, Hah JO, Lim YJ, Park JE, Lyu CJ, Lim YT, Chong SY, Oh D; on behalf of the Cord Blood Transplantation Working Party of the Korean Society of Hematology. Cytomegalovirus infection in seropositive unrelated cord blood recipients: a study of 349 Korean patients. *Ann Hematol*. 2015 Mar;94(3):481-9. PMID:25417830

95. Bae JW, Kim YH, Kim SK, Wang KC, Shin HY, Kang HJ, Park SH, Phi JH. Langerhans cell histiocytosis causing acute optic neuropathy. *Childs Nerv Syst*. 2015 Mar;94(3):481-9. PMID:25566821

96. Kang HJ, Loftus S, Taylor A, DiCristina C, Green S, Zwaan CM. Aprepitant for the prevention of chemotherapy-induced nausea and vomiting in children: a randomised, double-blind, phase 3 trial. *Lancet Oncol*. 2015 Apr;16(4):385-94. PMID:25770814

97. Choi JY, Kang HJ, Lee JW, Ju HY, Hong CR, Kim H, Yu YS, Park SH, Cheon JE, Park KD, Shin HY. Very Late Relapse of Bilateral Retinoblastoma. *J Pediatr Hematol Oncol*. 2015 May;37(4):e264-7. PMID:25757022

98. Green S, Zwaan CM, Kang HJ. Aprepitant for paediatric chemotherapy-induced nausea and vomiting - Authors' reply. *Lancet Oncol*. 2015 Jun;16(6):e560-1. PMID:26065616

99. Kim H, Shin D, Kang HJ, Yu KS, Lee JW, Kim SJ, Kim MS, Song ES, Jang MK, Park JD, Jang IJ, Park KD, Shin HY, Ahn HS. Successful Empirical Antifungal Therapy of Intravenous Itraconazole with Pharmacokinetic Evidence in Pediatric Cancer Patients Undergoing Hematopoietic Stem Cell Transplantation. *Clin Drug Investig*. 2015 Jul;35(7):437-46. PMID:26022135

100. Hong CR, Kang HJ, Ju HY, Lee JW, Kim H, Park SH, Kim IH, Park KD, Shin HY. Extra-cranial Malignant Rhabdoid Tumor in Children: A Single Institute Experience. *Cancer Res Treat*. 2015 Oct;47(4):889-96. PMID:25672587

101. Hong CR, Kang HJ, Kim MS, Ju HY, Lee JW, Kim H, Kim HS, Park SH, Park KD, Park JD, Shin HY, Ahn HS. High-dose chemotherapy and autologous stem cell transplantation with melphalan, etoposide and carboplatin for high-risk osteosarcoma. *Bone marrow transplant* 2015 Oct;50(10):1375-8. PMID:26098952

102. Kang HM, Lee HJ, Cho EY, Yu KS, Lee H, Lee JW, Kang HJ, Park KD, Shin HY, Choi EH. The Clinical Significance of Voriconazole Therapeutic Drug Monitoring in Children With Invasive Fungal Infections. *PediatrHematolOncol*. 2015 Nov;32(8):557-67. PMID: 26558811

103. Lee HJ, Lee B, Park JD, Jeong HJ, Choi YH, Ju HY, Hong CR, Lee JW, Kim H, Suh DI, Park KD, Kang HJ, Shin HY, Ahn HS. Association of systolic blood pressure drop with intravenous administration of itraconazole in children with hemato-oncologic disease. *Drug Des DevelTher*. 2015 Dec 17;9:6489-95. PMID: 26719674

104. Lee S, Moon JS, Lee CR, Kim HE, Baek SM, Hwang S, Kang GH, Seo JK, Shin CH, Kang HJ, Ko JS, Park SG, Choi M. Abatacept alleviates severe autoimmune symptoms in a patient carrying a de novo variant in CTLA-4. *J Allergy ClinImmunol*. 2016 Jan;137(1):327-30. PMID: 26478010

105. Piao Z, Kim HJ, Choi JY, Hong CR, Lee JW, Kang HJ, Park KD, Shin HY. Effect of FOXP3 polymorphism on the clinical outcomes after allogeneic hematopoietic stem cell transplantation in pediatric acute leukemia patients. *IntImmunopharmacol*. 2016 Feb;31:132-139. PMID: 26735609

106. Seo JY, Lee KO, Yoo KH, Sung KW, Koo HH, Kim SH, Kang HJ, Park KD, Shin HY, Baek HJ, Kook H, Lyu CJ, Song JS, Lee MJ, Kim JY, Lim YT, Koh KN, Im HJ, Seo JJ, Kim HJ. Prevalence of type 5 familial hemophagocyticlymphohistiocytosis in Korea and novel mutations in STXBP2. *Clin Genet*. 2016 Feb;89(2):222-7. PMID: 26451869

107. Kook H, Chung NG, Kang HJ, Im HJ. Acquired aplastic anemia in Korean children: treatment guidelines from the Bone Marrow Failure Committee of the Korean Society of Pediatric Hematology Oncology. *Int J Hematol*. 2016 Apr;103(4):380-6. PMID: 26894608

108. Han MS, Lee HJ, Lee H, Choe YJ, Lee JW, Kang HJ, Park KD, Shin HY, Jung HJ, Choi EH. Risk Factors and Clinical Features of Cytomegalovirus Disease in Children Receiving Anticancer Chemotherapy. *J PediatrHematolOncol*. 2016 Apr;38(3):e113-9. PMID:26523383

109. Ju HY, Kang HJ, Hong CR, Lee JW, Kim H, Park KD, Shin HY, Park JD, Choi EH, Lee HJ, Ahn HS. Half-dose ganciclovir preemptive treatment of cytomegalovirus infection after pediatric allogeneic hematopoietic stem cell transplantation. *Transpl Infect Dis*. 2016 Jun;18(3):396-404. PMID: 27041364

110. Kang HJ, Hong KT, Lee JW, Kim H, Park KD, Shin HY, Lee SH, Yoo KH, Sung KW, Koo HH, Lee JW, Chung NG, Cho B, Kim HK, Koh KN, Im HJ, Seo JJ, Jung HJ, Park JE, Lee YH, Lim YT, Lim YJ, Kim SY, Yoo ES, Ryu KH, Lee JH, Park JA, Park SK, Ahn HS; Korean Society of Pediatric Hematology-Oncology. Improved Outcome of a Reduced Toxicity-Fludarabine, Cyclophosphamide, plus Thymoglobulin Conditioning Regimen for Unrelated Donor Transplantation in Severe Aplastic Anemia: Comparison of 2 Multicenter Prospective Studies. *Biol Blood Marrow Transplant.* 2016 Aug;22(8):1455-9. PMID: 27090956

111. Lee JA, Jeon DG, Cho WH, Song WS, Yoon HS, Park HJ, Park BK, Choi HS, Ahn HS, Lee JW, Yoo KH, Sung KW, Koo HH, Kang HJ, Park KD, Shin HY, Koh KN, Im HJ, Seo JJ, Lim YJ, Baek HJ, Kook H. Higher Gemcitabine Dose Was Associated With Better Outcome of Osteosarcoma Patients Receiving Gemcitabine-Docetaxel Chemotherapy. *Pediatr Blood Cancer.* 2016 Sep;63(9):1552-6. PMID: 27197055

112. Kim SY, Choi SA, Lee S, Lee JS, Hong CR, Lim BC, Kang HJ, Kim KJ, Park SH, Choi M, Chae JH. Atypical presentation of infantile-onset farber disease with novel ASAHI mutations. *Am J Med Genet A.* 2016 Nov;170(11):3023-3027. PMID: 27411168

113. Paik JH, Choe JY, Kim H, Lee JO, Kang HJ, Shin HY, Lee DS, Heo DS, Kim CW, Cho KH, Kim TM, Jeon YK. Clinicopathological categorization of Epstein-Barr virus-positive T/NK-cell lymphoproliferative disease: an analysis of 42 cases with an emphasis on prognostic implications. *Leuk Lymphoma.* 2017 Jan;58(1):53-63. PMID: 27157296

114. Yun SO, Shin HY, Kang CY, Kang HJ. Generation of antigen-specific cytotoxic T lymphocytes with activated B cells. *Cytotherapy.* 2017 Jan;19(1):119-127. PMID: 27864016

115. Wun CM, Piao Z, Hong KT, Choi JY, Hong CR, Park JD, Park KD, Shin HY, Kang HJ. Effect of donor STAT4 polymorphism rs7574865 on clinical outcomes of pediatric acute leukemia patients after hematopoietic stem cell transplant. *Int Immunopharmacol.* 2017 Feb;43:62-69. PMID: 27960128

116. Koh KN, Im HJ, Kim H, Kang HJ, Park KD, Shin HY, Ahn HS, Lee JW, Yoo KH, Sung KW, Koo HH, Lim YT, Park JE, Park BK, Park HJ, Seo JJ. Outcome of Reinduction Chemotherapy with a Modified Dose of Idarubicin for Children with Marrow-Relapsed Acute Lymphoblastic Leukemia: Results of the

Childhood Acute Lymphoblastic Leukemia (CALL)-0603 Study. *J Korean Med Sci.* 2017 Apr;32(4):642-649. PMID: 28244291

117. Kim B, Lee JW, Hong KT, Yu KS, Jang IJ, Park KD, Shin HY, Ahn HS, Cho JY, Kang HJ. Pharmacometabolomics for predicting variable busulfan exposure in paediatric haematopoietic stem cell transplantation patients. *Sci Rep.* 2017 May 10;7(1):1711. PMID: 28490733

118. Chung H, Yu KS, Hong KT, Choi JY, Hong CR, Kang HJ, Park KD, Shin HY, Lee S. A Significant Influence of Metronidazole on Busulfan Pharmacokinetics: A Case Report of Therapeutic Drug Monitoring. *Ther Drug Monit.* 2017 Jun;39(3):208-210. PMID: 28328762

119. Rhee SJ, Lee JW, Yu KS, Hong KT, Choi JY, Ry Hong C, Park KD, Shin HY, Song SH, Kang HJ, Lee H. Pediatric patients undergoing hematopoietic stem cell transplantation can greatly benefit from a novel once-daily intravenous busulfan dosing nomogram. *Am J Hematol.* 2017 Jul;92(7):607-613. PMID: 28370238

120. Kim KH, Choi TH, Choi Y, Park YW, Hong KY, Kim DY, Choe YS, Lee H, Cheon JE, Park JB, Park KD, Kang HJ, Shin HY, Jeong JH. Comparison of Efficacy and Safety Between Propranolol and Steroid for Infantile Hemangioma: A Randomized Clinical Trial. *JAMA Dermatol.* 2017 Jun 1;153(6):529-536. PMID: 28423174

121. Yoon JH, Park KD, Kang HJ, Kim H, Lee JW, Kim SK, Wang KC, Park SH, Kim IH, Shin HY. Treatment of pediatric average-risk medulloblastoma using craniospinal irradiation less than 2500 cGy and chemotherapy: single center experience in Korea. *World J Pediatr.* 2017 Aug;13(4):367-373. PMID: 28550392

122. Shin DW, Park SN, Kim SM, Im K, Kim JA, Hong KT, Choi JY, Hong CR, Park KD, Shin HY, Kang HJ, Kim HK, Lee DS. WHIM Syndrome With a Novel CXCR4 Variant in a Korean Child. *Ann Lab Med.* 2017 Sep;37(5):446-449. PMID: 28643496

123. Oh D, Yi NJ, Song S, Kim OK, Hong SK, Yoon KC, Ahn SW, Kim HS, Kim H, Kim HY, Kang HJ, Lee M, Lee KB, Lee KW, Suh KS. Split liver transplantation for retroperitoneal immature teratoma masquerading as hepatoblastoma. *Pediatr Transplant.* 2017 Nov;21:e13025. PMID: 28714114

124. An HY, Hong KT, Kang HJ, Choi JY, Hong C, Kim HY, Choi TH, Kang CH, Kim HS, Cheon JE, Park SH, Park JD, Park KD, Shin HY. Malignant peripheral nerve sheath tumor in children: A single-institute retrospective analysis.

PediatrHematolOncol. 2017 Nov;34(8):468-477. PMID: 29286874

125. Kim SI, Lee Y, Kim SK, Kang HJ, Park SH. Aggressive Supratentorial Ependymoma, RELA Fusion-Positive with Extracranial Metastasis: A Case Report. *J Pathol Transl Med*. 2017 Nov;51(6):588-593. PMID: 29161788

126. Choi YH, Jeong HJ, An HY, Kim YS, Lee EJ, Lee B, Kang HJ, Shin HY, Park JD. Early predictors of mortality in children with pulmonary complications after haematopoietic stem cell transplantation. *Pediatr Transplant*. 2017 Dec;21(8):e13062 PMID: 29027353

127. Hong KT, Choi JY, Hong CR, Kang HJ, Park KD, Shin HY. Therapy-related Acute Myeloid Leukemia After the Treatment of Primary Solid Cancer in Children: A Single-center Experience. *J Pediatr Hematol Oncol*. 2018 Jan;40(1):e23-e28. PMID: 29200163

128. Hong CR, Kang HJ, Park KD, Shin HY, Ahn HS. High-dose chemotherapy and autologous peripheral blood stem cell transplantation with BCVAC regimen followed by maintenance chemotherapy for children with very high risk acute lymphoblastic leukemia. *Int J Hematol*. 2018 Mar;107(3):355-362. PMID: 29052026

129. Ji S, Lee JY, Schror J, Mazumder A, Jang DM, Chateauvieux S, Schnekenburger M, Hong CR, Christov C, Kang HJ, Lee Y, Han BW, Kim KW, Shin HY, Dicato M, Cerella C, Konig GM, Orlikova B, Diederich M. The dialkyl resorcinol stemphol disrupts calcium homeostasis to trigger programmed immunogenic necrosis in cancer. *Cancer Lett*. 2018 Mar 1;416:109-123. PMID: 29246646

130. Lee JW, Park SH, Kang HJ, Park KD, Shin HY, Ahn HS. ALK Protein Expression is Related to Neuroblastoma Aggressiveness, But is Not Independent Prognostic Factor. *Cancer Res Treat*. 2018 Apr;50(2):495-505. PMID: 28546523

131. Dho YS, Kim H, Wang KC, Kim SK, Lee JY, Shin HY, Park KD, Kang HJ, Kim IH, Park SH, Phi JH. Pediatric Spinal Epidural Lymphoma Presenting with Compressive Myelopathy: A Distinct Pattern of Disease Presentation. *World Neurosurg*. 2018 Jun;114:e689-e697. PMID: 29550599

132. Park JE, Choi YH, Cheon JE, Kim WS, Kim IO, Ryu YJ, Kim YJ, Hong CR, Kang HJ. Gallbladder wall oedema and ascites are independent predictors of progression to hepatic veno-occlusive disease for children with hematopoietic stem cell transplantation. *Eur Radiol*. 2018 Jun;28(6):2291-2298. PMID:

29294155

133. Kim H, Seo H, Park Y, Min BJ, Seo ME, Park KD, Shin HY, Kim JH, Kang HJ. APEX1 Polymorphism and Mercaptopurine-Related Early Onset Neutropenia in Pediatric Acute Lymphoblastic Leukemia. *Cancer Res Treat*. 2018 Jul;50(3):823-834. PMID: 28882023

134. Park M, Park HJ, Lee JM, Ju HY, Park BK, Yu ES, Yang HK, Kim JY, Park SK, Lee YH, Shim YJ, Kim HS, Lee JA, Lim YJ, Cheuh HW, Park JK, Lee MJ, Kim SK, Choi HS, Hah JO, Park KD, Kang HJ, Shin HY. School performance of childhood cancer survivors in Korea: A multi-institutional study on behalf of the Korean Society of Pediatric Hematology and Oncology. *Psychooncology*. 2018 Sep;27(9):2257-2264. PMID: 29927510

135. Mazumder A, Lee JY, Talhi O, Cerella C, Chateauvieux S, Gaigneaux A, Hong CR, Kang HJ, Lee Y, Kim KW, Kim DW, Shin HY, Dicato M, Bachari K, Silva AMS, Orlikova-Boyer B, Diederich M. Hydroxycoumarin OT-55 kills CML cells alone or in synergy with imatinib or Synribo: Involvement of ER stress and DAMP release. *Cancer Lett*. 2018 Sep 8;438:197-218. PMID: 30205168

136. Kim DY, Kim IH, Yoon SS, Kang HJ, Shin HY, Kang HC. Effect of dose rate on pulmonary toxicity in patients with hematolymphoid malignancies undergoing total body irradiation. *Radiat Oncol*. 2018 Sep 18;13(1):180. PMID: 30227866

137. Kang HJ, Loftus S, DiCristina C, Green S, Pong A, Zwaan CM. Aprepitant for the prevention of chemotherapy-induced nausea and vomiting in paediatric subjects: An analysis by age group. *Pediatr Blood Cancer*. Oct;65(10):e27273. PMID: 29893452

138. Hong KT, Kang HJ, Choi JY, Hong CR, Cheon JE, Park JD, Park KD, Song SH, Yu KS, Jang IJ, Shin HY. Favorable outcome of post-transplantation cyclophosphamide haploidentical peripheral blood stem cell transplantation with targeted busulfan-based myeloablative conditioning using intensive pharmacokinetic monitoring in pediatric patients. *Biol Blood Marrow Transplant*. 2018 Nov;24(11):2239-2244. PMID: 29981849

139. Shin SA, Ahn B, Kim SK, Kang HJ, Nobusawa S, Komori T, Park SH. Brainstem astroblastoma with MN1 translocation. *Neuropathology*. 2018 Dec;38(6):631-637. PMID: 30238518

140. Kim YJ, Kim WS, Choi YH, Cheon JE, Choi JY, Kang HJ, Park JE, Ryu YJ,

Kim IO. Radiologic evaluation of pulmonary injury following carmustine- and cyclophosphamide-based preparative regimen for autologous peripheral blood stem cell transplantation in children. *Pediatr Radiol*. 2018 Dec;48(13):1875-1883. PMID: 30121852

141. Kim H, Kang HJ, Park KD, Koh KN, Im HJ, Seo JJ, Lee JW, Chung NG, Cho B, Kim HK, Lee JM, Hah JO, Lee JA, Lee YH, Park SK, Baek HJ, Kook H, Kim JY, Kim HS, Kim HM, Chueh HW, Park M, Yoon HS, Lee MJ, Choi HS, Ahn HS, Kawano Y, Park JW, Hahn S, Shin HY. Risk Factor Analysis for Secondary Malignancy in Dexrazoxane-Treated Pediatric Cancer Patients. *Cancer Res Treat*. 2019 Jan;51(1):357-367. PMID: 29764117

142. Cho YJ, Kim WS, Choi YH, Ha JY, Lee S, Park SJ, Cheon JE, Kang HJ, Shin HY, Kim IO. Computerized texture analysis of pulmonary nodules in pediatric patients with osteosarcoma: Differentiation of pulmonary metastases from non-metastatic nodules. *PLoS One*. 2019 Feb 8;14(2):e0211969. PMID: 30735557

143. Moon SY, Lim JH, Kim EH, Nam Y, Yu KS, Hong KT, Choi JY, Hong CR, Kim H, Kang HJ, Shin HY, Lee K, Song J, Lee SY, Song SH. Quantification of thiopurine nucleotides in erythrocytes and clinical application to pediatric acute lymphoblastic leukemia. *Ther Drug Monit*. 2019 Feb;41(1):75-85. PMID: 30507626

144. Sohn YJ, Yun JH, Yun KW, Kang HJ, Choi EH, Shin HY, Lee HJ. *Aspergillus terreus* Spondylodiscitis in an Immunocompromised Child. *Pediatr Infect Dis J*. 2019 Feb;38(2):161-163. PMID: 29912843

145. Chung H, Hong KT, Lee JW, Rhee SJ, Kim S, Yoon SH, Yu KS, Kang HJ. Pharmacokinetics of fludarabine and its association with clinical outcomes in paediatric haematopoietic stem cell transplantation patients. *Bone Marrow Transplant*. 2019 Feb;54(2):284-292. PMID: 29915216

146. Yim J, Lee WS, Kim SK, Kang HJ, Bae J, Park SH. Intracranial Ewing sarcoma with whole genome study. *Childs Nerv Syst*. 2019 Mar;35(3):547-552. PMID: 30406421

147. Hong CR, Lee S, Hong KT, Choi JY, Shin HY, Choi M, Kang HJ. Successful haploidentical transplantation with post-transplant cyclophosphamide for activated phosphoinositide 3-kinase δ syndrome. *J Allergy Clin Immunol Pract*. 2019 Mar;7(3):1034-1037. PMID: 29890288

148. Choi HS, Kim HJ, Kang HJ, Lee JW, Shin HY, Park HJ, Park BK, Lee YH, Lee JA, Lim YJ, Park KD. Thromboembolism in children with cancer: a retrospective multicenter study in Korea. *J Thromb Thrombolysis*. 2019 May;47(4):558-565. PMID: 30666552

149. Park PG, Hong CR, Kang E, Park M, Lee H, Kang HJ, Shin HY, Ha IS, Cheong HI, Yoon HJ, Kang HG. Acute Kidney Injury in Pediatric Cancer Patients. *J Pediatr*. 2019 May;208:243-250.e3. PMID: 30871796

150. Choi HS, Choi Q, Kim JA, Im KO, Park SN, Park Y, Shin HY, Kang HJ, Kook H, Kim SY, Kim SJ, Kim I, Kim JY, Kim H, Park KD, Park KB, Park M, Park SK, Park ES, Park JA, Park JE, Park JK, Baek HJ, Seo JH, Shim YJ, Ahn HS, Yoo KH, Yoon HS, Won YW, Lee KS, Lee KC, Lee MJ, Lee SA, Lee JA, Lee JM, Lee JH, Lee JW, Lim YT, Jung HJ, Chueh HW, Choi EJ, Jung HL, Kim JH, Lee DS; Hereditary Hemolytic Anemia Working Party of the Korean Society of Hematology. Molecular diagnosis of hereditary spherocytosis by multi-gene target sequencing in Korea: matching with osmotic fragility test and presence of spherocyte. *Orphanet J Rare Dis*. 2019 May 23;14(1):114. PMID: 31122244

151. Park Y, Kim H, Choi JY, Yun S, Min BJ, Seo ME, Im HJ, Kang HJ, Kim JH. Star Allele-Based Haplotyping versus Gene-Wise Variant Burden Scoring for Predicting 6-Mercaptopurine Intolerance in Pediatric Acute Lymphoblastic Leukemia Patients. *Front Pharmacol*. 2019 Jun 11;10:654. PMID: 31244663

152. Kim BK, Hong KT, Kang HJ, An HY, Choi JY, Hong CR, Park KD, Lee DS, Shin HY. Successful Treatment of Pediatric Epstein-Barr Virus-positive Aggressive Natural Killer-Cell Leukemia. *J Pediatr Hematol Oncol*. 2019 Jul;41(5):e336-e337. PMID: 29889803

153. Hyun H, Park E, Cho M, Min SI, Ha J, Kang HJ, Shin HY, Ha IS, Cheong HI, Ahn YH, Kang HG. Post-Transplant Lymphoproliferative Diseases in Pediatric Kidney Allograft Recipients with Epstein-Barr Virus Viremia. *J Korean Med Sci*. 2019 Aug 5;34(30):e203. PMID: 31373185

154. Jung M, Kim S, Lee JK, Yoon SO, Park HS, Hong SW, Park WS, Kim JE, Kim J, Keam B, Kim HJ, Kang HJ, Kim DW, Jung KC, Kim YT, Heo DS, Kim TM, Jeon YK. Clinicopathological and Preclinical Findings of NUT Carcinoma: A Multicenter Study. *Oncologist*. 2019 Aug;24(8):e740-e748. PMID: 30696721

155. Yoon JH, Yoo KH, Sung KW, Jung CW, Kim JS, Hahn SM, Kang HJ, Lee JH, Im HJ, Ahn JS, Kook H, Cho B, Lee JW. Validation of treatment outcomes according to revised severity criteria from European Society for Blood and

Marrow Transplantation (EBMT) for sinusoidal obstruction syndrome/veno-occlusive disease (SOS/VOD). *Bone Marrow Transplant*. 2019 Aug;54(8):1361-1368 PMID: 30809031

156. McCune JS, Quinones CM, Ritchie J, Carpenter PA, van Maarseveen E, Yeh RF, Anasetti C, Boelens JJ, Hamerschlak N, Hassan M, Kang HJ, Kanda Y, Paci A, Perales MA, Shaw PJ, Seewaldt VL, Savani BN, Hsieh A, Poon B, Mohty M, Pulsipher MA, Pasquini M, Dupuis LL. Harmonization of Busulfan Plasma Exposure Unit (BPEU): A Community-Initiated Consensus Statement. *Biol Blood Marrow Transplant*. 2019 Sep;25(9):1890-1897. PMID: 31136799

157. Jeong D, Lee DS, Kim N, Choi S, Kim K, Kim SM, Im K, Park HS, Yun J, Lim KM, Park KS, Kang HJ, Ahn YO, Hwang SM. Prevalence of germline predisposition gene mutations in pediatric acute myeloid leukemia: Genetic background of pediatric AML. *Leuk Res*. 2019 Oct;85:106210. PMID: 31470354

158. Choi JY, Kang HJ, Hong KT, Hong CR, Lee YJ, Park JD, Phi JH, Kim SK, Wang KC, Kim IH, Park SH, Choi YH, Cheon JE, Park KD, Shin HY. Tandem high-dose chemotherapy with topotecan-thiotepa-carboplatin and melphalan-etoposide-carboplatin regimens for pediatric high-risk brain tumors. *Int J Clin Oncol*. 2019 Dec;24(12):1515-1525. PMID: 31352632

159. Kim BK, Kang HJ, Hong KT, An HY, Choi JY, Lee JS, Park SS, Shin HY. Successful preemptive therapy with single-dose rituximab for Epstein-Barr virus infection to prevent post-transplant lymphoproliferative disease after pediatric hematopoietic stem cell transplantation. *Transpl Infect Dis*. 2019 Dec;21(6):e13182. PMID: 31556214

160. Iida M, Kadera Y, Dodds A, Ho AYL, Nivison-Smith I, Akter MR, Wu T, Lie AKW, Ghavamzadeh A, Kang HJ, Ong TC, Gyi AA, Farzana T, Baylon H, Gooneratne L, Tang JL, Bunworasate U, Huynh VM, Srivastava A, Okamoto S, Atsuta Y; Registry Committee of the Asia-Pacific Blood and Marrow Transplantation Group (APBMT). Advances in hematopoietic stem cell transplantation in the Asia-Pacific region: the second report from APBMT 2005-2015. *Bone Marrow Transplant*. 2019 Dec;54(12):1973-1986. PMID: 31089289

161. Hijiya N, Maschan A, Rizzari C, Shimada H, Dufour C, Goto H, Kang HJ, Guinipero T, Karakas Z, Bautista F, Ducassou S, Yoo KH, Zwaan CM, Millot F, Aimone P, Allepuz A, Quenet S, Hourcade-Potelleret F, Hertle S, Sosothikul D. Phase 2 Study of Nilotinib in Pediatric Patients With Philadelphia Chromosome Positive Chronic Myeloid Leukemia. *Blood*. 2019 Dec 5;134(23):2036-2045. PMID: 31511239

162. Georger B, Kang HJ, Yalon-Oren M, Marshall LV, Vezina C, Pappo A, Laetsch TW, Petrilli AS, Ebinger M, Toporski J, Glade-Bender J, Nicholls W, Fox E, DuBois SG, Macy ME, Cohn SL, Pathiraja K, Diede SJ, Ebbinghaus S, Pinto N. Pembrolizumab in paediatric patients with advanced melanoma or a PD-L1-positive, advanced, relapsed, or refractory solid tumour or lymphoma (KEYNOTE-051): interim analysis of an open-label, single-arm, phase 1-2 trial. *Lancet Oncol.* 2020 Jan;21(1):121-133. PMID: 31812554

163. Hong CR, Kang HJ, Moon SJ, Oh J, Hong KT, Choi JY, Yu KS, Shin HY. Pharmacokinetics of high-dose carboplatin in children undergoing high-dose chemotherapy and autologous stem cell transplantation with BSA-based dosing. *Bone Marrow Transplant.* 2020 Jan;55(1):137-146. PMID: 31462686

164. Han MS, Choi EH, Lee HJ, Yun KW, Kang HJ, Hong KT, Choi JY, Shin HY. Cytomegalovirus disease in a retinoblastoma cohort: The role of preemptive screening. *Pediatr Blood Cancer.* 2020 Mar;67(3):e28101. PMID: 31793213

165. Lee GH, Hong KT, Choi JY, Shin HY, Lee WW, Kang HJ. Immunosenescent characteristics of T cells in young patients following haploidentical haematopoietic stem cell transplantation from parental donors. *Clin Transl Immunology.* 2020 Apr 8;9(4):e1124. PMID: 32280463

166. Choi JY, Kang HJ, An HY, Hong KT, Shin HY. Nitrosourea, etoposide and cyclophosphamide followed by autologous stem cell transplantation for pediatric lymphoma patients. *Int J Hematol.* 2020 Jun;111(6):877-887. PMID: 32215821

167. Park Y, Kim H, Seo H, Choi JY, Ma Y, Yun S, Min BJ, Seo ME, Yoo KH, Kang HJ, Im HJ, Kim JH. Homozygote CRIM1 variant is associated with thiopurine-induced neutropenia in leukemic patients with both wildtype NUDT15 and TPMT. *J Transl Med.* 2020 Jul 1;18(1):265. PMID: 32611418

168. Park HJ, Hong KT, Yun SO, Ahn HY, Choi JY, Shin HY, Kang HJ. Successful Treatment of refractory CMV colitis after haploidentical HSCT with post-transplant cyclophosphamide using CD45RA+ depleted donor lymphocyte infusion. *Bone Marrow Transplant.* 2020 Aug;55(8):1674-1676. PMID: 31527822

169. Park WY, Hong KT, Ahn HY, Choi JY, Kang HJ, Park SH, Shin HY. Late Recurrence of Wilms Tumor After 17 Years: A Case Report. *J Pediatr Hematol Oncol.* 2020 Aug;42(6):e488-e490. PMID: 30951024

170. Shim YJ, Jung HL, Shin HY, Kang HJ, Choi JY, Hah JO, Lee JM, Lim YT, Yang EJ, Baek HJ, Choi HS, Yoo KH, Park JE, Kim S, Kim JY, Park ES, Im HJ, Chueh HW, Kim SK, Lee JH, Yoo ES, Park HJ, Lee JA, Park M, Kang HS, Park JK, Lee NH, Park SK, Lee YH, Lee SW, Choi EJ, Kong SG; Red Blood Cell Disorder Working Party of the Korean Society of Hematology. Epidemiological Study of Hereditary Hemolytic Anemia in the Korean Pediatric Population during 1997-2016: a Nationwide Retrospective Cohort Study. *J Korean Med Sci.* 2020 Aug 24;35(33):e279. PMID: 32830468

171. Kang J, Park JW, Won JK, Bae JM, Koh J, Yim J, Yun H, Kim SK, Choi JY, Kang HJ, Kim WS, Shin JH, Park SH. Clinicopathological findings of pediatric NTRK fusion mesenchymal tumors. *Diagn Pathol.* 2020 Sep 21;15(1):114. PMID: 32957984

172. Dupuis LL, Quinones CM, Ritchie J, Carpenter PA, Bauters T, Yeh RF, Anasetti C, Boelens JJ, Hamerschlak N, Hassan M, Kang HJ, Kanda Y, Paci A, Perales MA, Shaw PJ, Seewaldt VL, Savani BN, Militano O, Pulsipher MA, McCune JS. Response to Kawedia et al Letter to Editor in Response to the Article by McCune Et Al "Harmonization of Busulfan Plasma Exposure Unit (BPEU): A Community-Initiated Consensus Statement". *Biol Blood Marrow Transplant.* 2020 Sep;26(9):e235-e236. PMID: 32531439

173. Hong KT, Lee DH, Kim BK, An HY, Choi JY, Phi JH, Cheon JE, Kang HJ, Kim SK, Kim JY, Park SH, Kim IH, Shin HY. Treatment outcome and long-term follow-up of central nervous system germ cell tumor using upfront chemotherapy with subsequent photon or proton radiation therapy: a single tertiary center experience of 127 patients. *BMC Cancer.* 2020 Oct 9;20(1):979. PMID: 33036578

174. M, Choi JY, Hong KT, Kang HJ, Shin HY, Baek HJ, Kook H, Kim S, Lee JW, Chung NG, Cho B, Cho SG, Park KM, Yang EJ, Lim YT, Suh JK, Kang SH, Kim H, Koh KN, Im HJ, Seo JJ, Cho HW, Ju HY, Lee JW, Yoo KH, Sung KW, Koo HH, Park KD, Hah JO, Kim MK, Han JW, Hahn SM, Lyu CJ, Shim YJ, Kim HS, Do YR, Yoo JW, Lim YJ, Jeon IS, Chueh HW, Oh SY, Choi HS, Park JE, Lee JA, Park HJ, Park BK, Kim SK, Lim JY, Park ES, Park SK, Choi EJ, Choi YB, Yoon JH; Korean Pediatric Hematology and Oncology Group (KPHOG). Clinical Characteristics and Treatment Outcomes in Children, Adolescents, and Young-adults with Hodgkin's Lymphoma: a KPHOG Lymphoma Working-party, Multicenter, Retrospective Study. *J Korean Med Sci.* 2020 Nov 30;35(46):e393. PMID: 33258329

175. Choi HJ, Choi JY, Kim BK, An HY, Hong KT, Shin HY, Kang HJ.

Combination Therapy With Chemotherapy, Donor Lymphocyte Infusion With Concurrent Blinatumomab in Relapsed/Refractory Acute Precursor B-Lymphoblastic Leukemia. *J Pediatr Hematol Oncol.* 2021 Mar 1;43(2):e280-e283. PMID: 32251153

176. Bhunia N, Abu-Arja R, Stanek JR, Mehyar LS, Shaw PJ, Kang HJ, Stein J, O'Brien TA, Roberts CH, Lee AC, Loeb DM, Ozkaynak MF, Dalal JD, Strahlendorf C, Goyal RK, Shenoy SS, Rangarajan HG. A multicenter report on the safety and efficacy of plerixafor based stem cell mobilization in children with malignant disorders. *Transfusion.* 2021 Mar;61(3):894-902. PMID: 33475172

177. Yu J, Bang KS, Kang HJ. Development of a Stress Scale for Siblings of Childhood Cancer Patients. *Children (Basel).* 2021 Mar 30;8(4):265. PMID: 33808319

178. Park M, Han JW, Hahn SM, Lee JA, Kim JY, Shin SH, Kim DS, Yoon HI, Hong KT, Choi JY, Kang HJ, Shin HY, Phi JH, Kim SK, Lee JW, Yoo KH, Sung KW, Koo HH, Lim DH, Shin HJ, Kim H, Koh KN, Im HJ, Ahn SD, Ra YS, Baek HJ, Kook H, Jung TY, Choi HS, Kim CY, Park HJ, Lyu CJ. Atypical Teratoid/Rhabdoid Tumor of the Central Nervous System in Children Under the Age of 3 Years. *Cancer Res Treat.* 2021 Apr;53(2):378-388. PMID: 33138347

179. Kim H, You S, Park Y, Choi JY, Ma Y, Hong KT, Koh KN, Yun S, Lee KH, Shin HY, Lee S, Yoo KH, Im HJ, Kang HJ, Kim JH. Interplay between IL6 and CRIM1 in thiopurine intolerance due to hematological toxicity in leukemic patients with wild-type NUDT15 and TPMT. *Sci Rep.* 2021 May 6;11(1):9676. PMID: 33958640

180. Choi S, Choi JY, Kim BK, Yul Ahn H, Hong KT, Cheon JE, Shin HY, Kang HJ. Intracerebral hemorrhage as a rare complication of imatinib in a Philadelphia chromosome positive acute lymphoblastic leukemia pediatric patient. *Pediatr Hematol Oncol.* 2021 May;38(4):378-384. PMID: 33653209

181. Hijiya N, Maschan A, Rizzari C, Shimada H, Dufour C, Goto H, Kang HJ, Guinipero T, Karakas Z, Bautista F, Ducassou S, Yoo KH, Zwaan CM, Millot F, Patterson B, Samis J, Aimone P, Allepuz A, Titorenko K, Sosothikul D. A phase 2 study of nilotinib in pediatric patients with CML: long-term update on growth retardation and safety. *Blood Adv.* 2021 Jul 27;5(14):2925-2934. PMID: 34309636

182. Park KM, Yoo KH, Kim SK, Lee JW, Chung NG, Ju HY, Koo HH, Lyu CJ, Han SM, Han JW, Choi JY, Hong KT, Kang HJ, Shin HY, Im HJ, Koh KN, Kim

H, Kook H, Baek HJ, Kim BR, Yang EJ, Lim JY, Park ES, Choi EJ, Park SK, Lee JM, Shim YJ, Kim JY, Park JK, Kong SK, Choi YB, Cho B, Lim YT. Clinical Characteristics and Treatment Outcomes of Childhood Acute Promyelocytic Leukemia in Korea: a Nationwide Multicenter Retrospective Study by Korean Pediatric Oncology Study Group. *Cancer Res Treat.* 2021 Apr 20. Online ahead of print. PMID: 33887821

183. Choi JY, Hong CR, Hong KT, Kang HJ, Kim S, Lee JW, Jang PS, Chung NG, Cho B, Kim H, Koh KN, Im HJ, Seo JJ, Hahn SM, Han JW, Lyu CJ, Yang EJ, Lim YT, Yoo KH, Koo HH, Kook H, Jeon IS, Cho H, Shin HY. Effectiveness and Safety of Clofarabine Monotherapy or Combination Treatment in Relapsed/Refractory Childhood Acute Lymphoblastic Leukemia: A Pragmatic, Non-interventional Study in Korea. *Cancer Res Treat.* 2021 Jan 4. Online ahead of print. PMID: 33421973

184. Lee JH, Eom KY, Phi JH, Park CK, Kim SK, Cho BK, Kim TM, Heo DS, Hong KT, Choi JY, Kang HJ, Shin HY, Choi SH, Lee ST, Park SH, Wang KC, Kim IH. Long-Term Outcomes and Sequelae Analysis of Intracranial Germinoma: Need to Reduce the Extended-Field Radiotherapy Volume and Dose to Minimize Late Sequelae. *Cancer Res Treat.* 2021 Jan 13. Online ahead of print. PMID: 33494128

185. Choi S, Hong KT, Choi JY, Ahn HY, Ko JS, Suh KS, Park SH, Cheon JE, Shin HY, Kang HJ. Stage IV Classical Hodgkin Lymphoma-type Posttransplant Lymphoproliferative Disorder in a Pediatric Liver Transplant Patient: A Case Report and Review of the Literature. *J Pediatr Hematol Oncol.* 2021 Mar 23. Online ahead of print. PMID: 33769384

186. 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, Neven 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-Palacin P, Karakukcu M, Yilmaz E, Gambineri E, Menconi M, Masmus 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. International retrospective study of allogeneic hematopoietic cell transplantation for activated PI3K-delta syndrome. *J Allergy Clin Immunol.* 2021 May 24 Online ahead of print. PMID: 34033842

187. Lee YA, Lee H, Im SW, Song YS, Oh DY, Kang HJ, Won JK, Jung KC, Kwon D, Chung EJ, Hah JH, Paeng JC, Kim JH, Choi J, Kim OH, Oh JM, Ahn

BC, Wirth LJ, Shin CH, Kim JI, Park YJ. NTRK- and RET-fusion-directed therapy in pediatric thyroid cancer yields a tumor response and radioiodine uptake. *J Clin Invest*. 2021 Jul 8 Online ahead of print. PMID: 34237031

188. Choi JY, Kim H, Baek HJ, Kook H, Lee JM, Kim BK, An HY, Hong KT, Shin HY, Kang HJ. Open-label, Multicenter Phase II Study of Combination Therapy of Imatinib Mesylate and Mycophenolate Mofetil in pediatric patients with Steroid-Refractory Sclerotic/fibrotic Type Chronic Graft-versus-host disease. *Transplant Cell Ther*. 2021 Jul 24 Online ahead of print. PMID: 34314892

189. Lee S, Shin CH, Lee J, Jeong SD, Hong CR, Kim JD, Kim AR, Pak B, Son S, Kokhan O, Yoo T, Ko JS, Sohn YB, Kim OH, Ko JM, Cho TJ, Wright NT, Seong JK, Jin SW, Kang HJ, Kim HH, Choi M. Somatic uniparental disomy mitigates the most damaging EFL1 allele combination in Shwachman-Diamond syndrome. *Blood*. 2021 Jun 11 Online ahead of print. PMID: 34115847