

## 研究成果の刊行に関する一覧表

1. Takano K, Monna-Oiwa M, Isobe M, Kato S, Takahashi S, Nannya Y, Konuma T. Low urinary sodium-to-potassium ratio in the early phase following single-unit cord blood transplantation is a predictive factor for poor non-relapse mortality in adults. *Sci Rep.* 2024 Jan 16;14(1):1413. doi: 10.1038/s41598-024-51748-7. PMID: 38228718
2. Yatsenko T, Rios R, Nogueira T, Takahashi S, Tabe Y, Naito T, Takahashi K, Hattori K, Heissig B. Urokinase-type plasminogen activator and plasminogen activator inhibitor-1 complex as a serum biomarker for COVID-19. *Front Immunol.* 2024 Jan 11;14:1299792. doi: 10.3389/fimmu.2023.1299792. eCollection 2023. PMID: 38313435
3. Konuma T, Itonaga H, Shimomura Y, Fujioka M, Aoki K, Uchida N, Onizuka M, Jinguji A, Tanaka M, Ueda Y, Katayama Y, Sawa M, Tanaka H, Nakamae H, Kawakita T, Maruyama Y, Takahashi S, Ishimaru F, Kanda J, Ichinohe T, Atsuta Y. Single-unit unrelated cord blood transplantation versus HLA-matched sibling transplantation in adults with advanced myelodysplastic syndrome: A registry-based study from the adult MDS working group of the Japanese society for transplantation and cellular therapy. *Hematol Oncol.* 2024 Jan;42(1):e3217. doi: 10.1002/hon.3217. Epub 2023 Aug 18. PMID: 37592904
4. Watanabe M, Kanda J, Volt F, Ruggeri A, Suzuki R, Rafii H, Kimura F, Cappelli B, Kondo E, Scigliuolo GM, Takahashi S, Kenzey C, Rivera-Franco MM, Okamoto S, Rocha V, Chevallier P, Sanz J, Fürst S, Cornelissen J, Milpied N, Uchida N, Sugio Y, Kimura T, Ichinohe T, Fukuda T, Mohty M, Peffault de Latour R, Atsuta Y, Gluckman E. Cord blood transplantation for adult mature lymphoid neoplasms in Europe and Japan. *Blood Adv.* 2024 Feb 13;8(3):640-652. doi: 0.1182/bloodadvances.2023010598. PMID: 38100431
5. Hwang WY, Takahashi S, Choi B, Huang H, Kawamata S, Ng SC, Gupta P, Hamidieh AA, Koaykul C, Irawan C, Srivastava A. Challenges in Global Access to CAR-T cells: an Asian Perspective. *Blood Cell Ther.* 2023 Dec 28;7(1):10-13. doi: 10.31547/bct-2023-023. eCollection 2024 Feb 25. PMID: 38486827
6. Okada Y, Usui Y, Hayashi H, Nishikubo M, Toubai T, Uchida N, Tanaka M, Onizuka M, Takahashi S, Doki N, Uehara Y, Maruyama Y, Ishiwata K, Kawakita T, Sawa M, Eto T, Ishimaru F, Kato K, Fukuda T, Atsuta Y, Kanda J, Yakushijin K, Nakasone H. Development of an umbilical cord blood transplantation-specific nonrelapse mortality risk assessment score. *Blood Adv.* 2024 Mar 26;8(6):1359-1368. doi: 10.1182/bloodadvances.2023011837. PMID: 38163321
7. Kambara Y, Sadato D, Toya T, Honda A, Kato S, HIRAMA C, Haraguchi K, Shimizu H, Najima Y, Kobayashi T, Okuyama Y, Harada H, Takahashi S, Kurokawa M, Harada Y, Doki N. Recurrent DDX41 mutation in very late relapse after allogeneic stem cell transplantation. *Leukemia.* 2024 Mar;38(3):667-670. doi: 10.1038/s41375-024-02152-7. Epub 2024 Jan 18. PMID: 38238444

8. Watanabe M, Konuma T, Imahashi N, Terakura S, Seo S, Morishima S, Uchida N, Doki N, Tanaka M, Nishida T, Kawakita T, Eto T, Takahashi S, Sawa M, Uehara Y, Kim SW, Ishimaru F, Ichinohe T, Fukuda T, Atsuta Y, Kanda J. Scoring system for optimal cord blood unit selection for single cord blood transplantation. *Cytotherapy*. 2024 Mar;26(3):286-298. doi: 10.1016/j.jcyt.2023.12.001. Epub 2023 Dec 27. PMID: 38149949
9. Yatsenko T, Rios R, Nogueira T, Salama Y, Takahashi S, Tabe Y, Naito T, Takahashi K, Hattori K, Heissig B. Corrigendum: Urokinase-type plasminogen activator and plasminogen activator inhibitor-1 complex as a serum biomarker for COVID-19. *Front Immunol*. 2024 Mar 13;15:1390698. doi: 10.3389/fimmu.2024.1390698. eCollection 2024. PMID: 38545120
10. Imahashi N, Kurita N, Konuma T, Takahashi S, Nishida T, Tanaka M, Nakamae H, Kawakita T, Ota S, Doki N, Onishi Y, Sawa M, Ozeki K, Hiramoto N, Onizuka M, Ishimaru F, Ichinohe T, Atsuta Y, Kanda J. Effect of Conditioning Regimens and Graft-versus-Host Disease Prophylaxis on the Outcomes of Umbilical Cord Blood Transplantation Performed with Cyclophosphamide/Total Body Irradiation-Based Regimens. *Transplant Cell Ther*. 2024 Mar;30(3):318.e1-318.e11. doi: 10.1016/j.jtct.2023.12.004. Epub 2023 Dec 9. PMID: 38081416
11. Okada Y, Usui Y, Hayashi H, Nishikubo M, Toubai T, Uchida N, Tanaka M, Onizuka M, Takahashi S, Doki N, Uehara Y, Maruyama Y, Ishiwata K, Kawakita T, Sawa M, Eto T, Ishimaru F, Kato K, Fukuda T, Atsuta Y, Kanda J, Yakushijin K, Nakasone H. Development of an umbilical cord blood transplantation-specific non-relapse mortality risk assessment score. *Blood Adv*. 2024 Mar 26;8(6):1359-1368. doi: 10.1182/bloodadvances.2023011837. PMID: 38163321; PMCID: PMC10945135..
12. Miyashita E, Sugihara N, Tanaka M, Iwasaki H, Monna-Oiwa M, Isobe M, Kato S, Takahashi S, Nannya Y, Tsuru Y, Konuma T. Prevalence and factors of polypharmacy among disease-free survivors of adults after allogeneic hematopoietic cell transplantation. *Leuk Lymphoma*. 2024 Apr;65(4):516-520. doi: 10.1080/10428194.2023.2298698. Epub 2023 Dec 27. PMID: 38149869.
13. Kuwatsuka Y, Kasajima R, Yamaguchi R, Uchida N, Konuma T, Tanaka M, Shingai N, Miyakoshi S, Kozai Y, Uehara Y, Eto T, Toyosaki M, Nishida T, Ishimaru F, Kato K, Fukuda T, Imoto S, Atsuta Y, Takahashi S. Machine Learning Prediction Model for Neutrophil Recovery after Unrelated Cord Blood Transplantation. *Transplant Cell Ther*. 2024 Apr;30(4):444.e1-444.e11. doi: 10.1016/j.jtct.2024.02.001. Epub 2024 Feb 7. PMID: 38336299
14. Konuma T, Hamatani-Asakura M, Monna-Oiwa M, Kato S, Isobe M, Yokoyama K, Nannya Y, Takahashi S. Donor NKG2D rs1049174 polymorphism predicts hematopoietic recovery and event-free survival after single-unit cord blood transplantation in adults. *Bone Marrow Transplant*. 2024 Apr;59(4):566-568. doi: 10.1038/s41409-024-02217-2. Epub 2024 Jan 24. PMID: 38267584

15. Skrypyk M, Yatsenko T, Riabets O, Salama Y, Skikevych M, Osada T, Tobita M, Takahashi S, Hattori K, Heissig B. Interleukin-10 induces TNF-driven apoptosis and ROS production in salivary gland cancer cells. *Heliyon*. 2024 May 29;10(11):e31777. doi: 10.1016/j.heliyon.2024.e31777. eCollection 2024 Jun 15. PMID: 38882335
16. Sakatoku K, Murata M, Shimazu Y, Uchida N, Yoshihara S, Uehara Y, Takahashi S, Kobayashi H, Tanaka H, Nakano N, Ishimaru F, Ichinohe T, Atsuta Y, Nagamura-Inoue T, Nakamae H. Comparison of haploidentical transplantation and single cord blood transplantation for myelofibrosis. *Bone Marrow Transplant*. 2024 May;59(5):705-707. doi: 10.1038/s41409-024-02244-z. Epub 2024 Feb 20. PMID: 38378917
17. Fukushi K, Monna-Oiwa M, Kato S, Isobe M, Kuroda S, Nannya Y, Takahashi S, Konuma T. Influence of interruption of oral mycophenolate mofetil for graft-versus-host disease prophylaxis on outcomes after single cord blood transplantation. *Blood Cell Ther*. 2024 Apr 19;7(2):41-48. doi: 10.31547/bct-2023-038. eCollection 2024 May 25. PMID: 38854401
18. Kurosawa S, Shimomura Y, Ishiyama K, Fuse K, Shimazu Y, Doki N, Uchida N, Tanaka M, Takahashi S, Sakurai M, Kobayashi H, Katayama Y, Takada S, Ozeki K, Nakamae H, Ishimaru F, Kanda Y, Ichinohe T, Atsuta Y, Itonaga H. Updated comparable efficacy of cord blood transplantation for chronic myelomonocytic leukaemia: a nationwide study. *Bone Marrow Transplant*. 2024 Jun;59(6):742-750. doi: 10.1038/s41409-024-02223-4. Epub 2024 Feb 8. PMID: 38331981
19. Konuma T, Hamatani-Asakura M, Monna-Oiwa M, Kato S, Isobe M, Yokoyama K, Takahashi S, Nannya Y. Effect of IL-2 polymorphism rs2069762 on single-unit cord blood transplant outcomes. *Cytokine*. 2024 Jul;179:156636. doi: 10.1016/j.cyto.2024.156636. Epub 2024 May 7. PMID: 38718489
20. Yatsenko T, Rios R, Nogueira T, Salama Y, Takahashi S, Adachi E, Tabe Y, Hattori N, Osada T, Naito T, Takahashi K, Hattori K, Heissig B. The influence of 4G/5G polymorphism in the plasminogen-activator-inhibitor-1 promoter on COVID-19 severity and endothelial dysfunction. *Front Immunol*. 2024 Aug 30;15:1445294. doi: 10.3389/fimmu.2024.1445294. eCollection 2024. PMID: 39281671
21. Konuma T, Hamatani-Asakura M, Nagai E, Adachi E, Kato S, Isobe M, Monna-Oiwa M, Takahashi S, Yotsuyanagi H, Nannya Y. Cellular and humoral immunogenicity against SARS-CoV-2 vaccination or infection is associated with the memory phenotype of T- and B-lymphocytes in adult allogeneic hematopoietic cell transplant recipients. *Int J Hematol*. 2024 Aug;120(2):229-240. doi: 10.1007/s12185-024-03802-3. Epub 2024 Jun 6. PMID: 38842630
22. Tsuru Y, Sugihara N, Iwasaki H, Monna-Oiwa M, Kato S, Nannya Y, Takahashi S, Konuma T. Sun protection behaviors among adult survivors receiving hematopoietic cell transplantation: a cross-sectional survey of a single institution in Japan. *Leuk Lymphoma*. 2024 Aug 18:1-4. doi:

- 10.1080/10428194.2024.2392840. Online ahead of print.PMID: 39155610
23. Konuma T, Monna-Oiwa M, Kato S, Isobe M, Nannya Y, Takahashi S, Feasibility and safety of the discontinuation of systemic immunosuppressive treatment after single-unit cord blood transplantation in adults *Bone Marrow Transplant.* 2024 Aug;59(8):1127-1136. doi: 10.1038/s41409-024-02302-6. Epub 2024 May 13.PMID: 38740951
  24. Konuma T, Monna-Oiwa M, Kato S, Isobe M, Takahashi S, Nannya Y. Prognostic Value of the Pretransplant Fibrosis-4 Index on Non-Relapse and Overall Mortality following Unrelated Single-Unit Cord Blood Transplantation in Adults. *Acta Haematol.* 2024 Aug 28:1-11. doi: 10.1159/000541157. Online ahead of print. PMID: 39197423
  25. Kuwatsuka Y, Ito H, Tabuchi K, Konuma T, Uchida N, Inamoto Y, Inai K, Nishida T, Ikegame K, Eto T, Katayama Y, Kataoka K, Tanaka M, Takahashi S, Fukuda T, Ichinohe T, Kimura F, Kanda J, Atsuta Y, Matsuo K. Trends in allogeneic hematopoietic cell transplantation survival using population-based descriptive epidemiology method: analysis of national transplant registry data. *Bone Marrow Transplant.* 2024 Sep;59(9):1295-1301. doi: 10.1038/s41409-024-02326-y. Epub 2024 Jun 19.PMID: 38898226
  26. Shimizu H, Kato J, Tanoue S, Kimura SI, Tachibana T, Hatano K, Usuki K, Taguchi J, Hagihara M, Tsukada N, Harada K, Takahashi S, Takada S, Sakaida E, Fujisawa S, Onoda M, Aotsuka N, Handa H, Hatta Y, Nakaseko R, Yano S, Ohashi K, Kanda Y; Kanto Study Group for Cell Therapy (KSGCT). Allogeneic stem cell transplant with TBI-based myeloablative conditioning in adolescents and young adults with Philadelphia chromosome-negative ALL treated with pediatric protocols. *Leuk Res.* 2024 Sep;144:107562. doi: 10.1016/j.leukres.2024.107562. Epub 2024 Aug 20.PMID: 39178610
  27. Konuma T, Hamatani-Asakura M, Monna-Oiwa M, Kato S, Andoh S, Yokoyama K, Nannya Y, Takahashi S. Recipient IL-17A polymorphism rs2275913 is associated with acute graft-versus-host disease after single-unit cord blood transplantation. *Transpl Immunol.* 2024 Oct;86:102096. doi: 10.1016/j.trim.2024.102096. Epub 2024 Jul 25.PMID: 39067490
  28. Isobe M, Kato S, Suzuki M, Nannya Y, Takahashi S, Konuma T. Disseminated *Fusarium keratoplasticum* Infection with Myocardial Involvement in an Adult Cord Blood Transplant Recipient. *Mycopathologia.* 2024 Oct 29;189(6):95. doi: 10.1007/s11046-024-00900-y. PMID: 39470913
  29. Salama Y, Munakata S, Osada T, Takahashi S, Hattori K, Heissig B. Heparin-binding EGF-like growth factor via miR-126 controls tumor formation/growth and the proteolytic niche in murine models of colorectal and colitis-associated cancers.*Cell Death Dis.* 2024 Oct 17;15(10):753. doi: 10.1038/s41419-024-07126-2.PMID: 39419989
  30. Jo T, Inoue K, Ueda T, Iwasaki M, Akahoshi Y, Nishiwaki S, Hatsusawa H, Nishida T, Uchida N, Ito A, Tanaka M, Takada S, Kawakita T, Ota S, Katayama Y, Takahashi S Onizuka M, Hasegawa

- Y, Kataoka K, Kanda Y, Fukuda T, Tabuchi K, Atsuta Y, Arai Y. Machine learning evaluation of intensified conditioning on haematopoietic stem cell transplantation in adult acute lymphoblastic leukemia patients. *Commun Med (Lond)*. 2024 Nov 25;4(1):247. doi: 10.1038/s43856-024-00680-y. PMID: 39587218
31. Konuma T, Monna-Oiwa M, Kato S, Andoh S, Isobe M, Nannya Y, Takahashi S. Levels of C-Reactive Protein and Body Temperature Elevation During Neutropenia Predict Engraftment and Non-Relapse Mortality for Unrelated Single-Unit Cord Blood Transplantation in Adults. *Transplant Cell Ther*. 2024 Nov;30(11):1104.e1-1104.e14. doi: 10.1016/j.jtct.2024.09.008. Epub 2024 Sep 11. PMID: 39270934
  32. Matsubara Y, Ota Y, Denda T, Tanaka Y, Isobe M, Kato S, Konuma T, Takahashi S, Hirata Y, Ikematsu H, Baba K, Boku N. Both Th1 and Th2 CD4 + T-Cell Lineage Infiltrations Decrease in Post-hematopoietic Stem Cell Transplantation Colon Adenoma. *J Gastrointest Cancer*. 2024 Dec;55(4):1551-1558. doi: 10.1007/s12029-024-01097-5. Epub 2024 Aug 19. PMID: 39158838
  33. Konuma T, Hamatani-Asakura M, Monna-Oiwa M, Kato S, Isobe M, Yokoyama K, Nannya Y, Takahashi S. Higher relapse and worse overall survival in recipients with CTLA-4 AA genotype of rs231775 following single-unit cord blood transplantation in adults. *Leuk Lymphoma*. 2024 Dec 2:1-11. doi: 10.1080/10428194.2024.2434925. Online ahead of print. PMID: 39618318
  34. Teshima T, Kato K, Yasushi Onishi Y, Shuichi Taniguchi S, Koichi Miyamura K, et al. Ruxolitinib in steroid-refractory acute graft-vs-host disease: Japanese subgroup analysis of the randomized REACH2 trial. *Int J Hematol* 120:106-116, 2024
  35. Ishida H, Shimada H, Tanizawa A, Shimazu Y, Tachibana T, Doki N, Ara T, Matsuo Y, Nara M, Toubai T, Ino K, Nakamae H, Kato K, Kato K, Sato A, Hino M, Matsumoto K, Atsuta Y, Yasui M, Nagamura-Inoue T. *Am J Hematol*. Allogeneic stem cell transplantation for children and adolescents/young adults with de novo blastic phase chronic myeloid leukemia in the tyrosine kinase inhibitor era. 2023 Aug;98(8):E200-E203. doi: 10.1002/ajh.26959. Epub 2023 May 12. PMID: 37170859
  36. Okada Y, Usui Y, Hayashi H, Nishikubo M, Toubai T, Uchida N, Tanaka M, Onizuka M, Takahashi S, Doki N, Uehara Y, Maruyama Y, Ishiwata K, Kawakita T, Sawa M, Eto T, Ishimaru F, Kato K, Fukuda T, Atsuta Y, Kanda J, Yakushijin K, Nakasone H. Development of an umbilical cord blood transplantation-specific nonrelapse mortality risk assessment score. *Blood Adv*. 2024 Mar 26;8(6):1359-1368. doi: 10.1182/bloodadvances.2023011837. PMID: 38163321
  37. Morishima Y, Watanabe-Okochi N, Kai S, Azuma F, Kimura T, Matsumoto K, Hatasa S, Araki N, Miyamoto A, Sekimoto T, Minemoto M, Ishii H, Uchida N, Takahashi S, Tanaka M, Shingai N, Miyakoshi S, Kozai Y, Onizuka M, Eto T, Ishimaru F, Kanda J, Ichinohe T, Atsuta Y, Takanashi M, Kato K. Selection of Cord Blood Unit by CD34<sup>+</sup> Cell and GM-CFU Numbers and Allele-Level HLA Matching in Single Cord Blood Transplantation. *Transplant Cell Ther*. 2023

- Oct;29(10):622-631. doi: 10.1016/j.jtct.2023.07.022. Epub 2023 Aug 2.PMID: 37536453
38. Hama A, Taga T, Tomizawa D, Muramatsu H, Hasegawa D, Adachi S, Yoshida N, Noguchi M, Sato M, Okada K, Koh K, Mitsui T, Takahashi Y, Miyamura T, Hashii Y, Kato K, Atsuta Y, Okamoto Y. Haematopoietic cell transplantation for children with acute megakaryoblastic leukaemia without Down syndrome. *Br J Haematol.* 2023 May;201(4):747-756. doi: 10.1111/bjh.18691. Epub 2023 Feb 14.PMID: 36786154
  39. Kawaguchi K, Umeda K, Miyamoto S, Yoshida N, Yabe H, Koike T, Kajiwara M, Kawaguchi H, Takahashi Y, Ishimura M, Sakaguchi H, Hama A, Cho Y, Sato M, Kato K, Sato A, Kato K, Tabuchi K, Atsuta Y, Imai K. Graft-versus-host disease-free, relapse-free, second transplant-free survival in allogeneic hematopoietic cell transplantation for genetic disorders. *Bone Marrow Transplant.* 2023 May;58(5):600-602. doi: 10.1038/s41409-023-01937-1. Epub 2023 Feb 16.PMID: 36797422
  40. Hashimoto S, Kato K, Kai S, Sekimoto T, Minemoto M, Ishii H, Mori T, Azuma F, Ishimaru F, Kimura T, Miyata S, Satake M, Takanashi M. Adverse events caused by cord blood infusion in Japan during a 5-year period. *Vox Sang.* 2023 Jan;118(1):84-92. doi: 10.1111/vox.13379. Epub 2022 Dec 1. PMID: 36454585