

Stanford



Rajni Agarwal-Hashmi

Professor of Pediatrics (Stem Cell Transplantation)

Pediatrics - Stem Cell Transplantation

CLINICAL OFFICES

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

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Bio

CLINICAL FOCUS

- Blood and Marrow Transplantation, Pediatric
- Cell and Gene therapy
- Pediatric Hematology-Oncology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Pediatrics - Stem Cell Transplantation
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Clinical Director, Pediatric Stem Cell Transplant, (2008- present)
- Section chief, Pediatric Stem Cell Transplantation, (2010- present)

HONORS AND AWARDS

- DISTINGUISHED SERVICE AWARD, STANFORD CHILDREN'S HEALTH/LUCILE PACKARD CHILDRENS HOSPITAL (MAY14, 2018)
- President's award, Best Woman Candidate in India in Medical School Examinations (1979)

PROFESSIONAL EDUCATION

- Residency: Cincinnati Children's Hospital Medical Center Pediatric Residency (1995) OH
- Residency: MGM Medical College (1983) India
- Medical Education: MGM Medical College (1983) India

- Internship: MGM Medical College (1981) India
- MD, Indore University , Pediatrics (1983)
- M.B.B.S, Indore University (1980)

COMMUNITY AND INTERNATIONAL WORK

- Crescent Zakat Fund, Children's hospital at Stanford
- Binns Program for Cord Blood Research, Children's hospital at Stanford
- volunteer donor recruitment for bone marrow transplants

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I trained extensively in India as a pediatric Hematologist-Oncologist. Due to a strong interest in pursuing translational research in the field I chose to come to USA. During my stay at children's hospital medical center (CHMC) in Cincinnati, Ohio I developed a strong interest in the field of stem cell biology and transplantation. My experience in this field also included extensive training and expertise obtained at the hospital for sick children, Toronto, Canada and National Institutes of Health (NIH), USA. At the hospital for sick children I learned and developed stem cell assays and in vivo models of human hematopoiesis that were critical in understanding of stem cell biology and its clinical applications. At the NIH I spent Two years with Drs. Nienhuis and Cynthia Dunbar and developed gene transfer assays in Hematopoietic cells. At the NIH I also worked on developing the mammalian models for in vivo gene transfer in hematopoietic cells. During this time we also published our work on chronic myeloid leukemia addressing the role of interaction of stromal cells with hematopoietic cells in the bone marrow. This publication defined conditions to favor the growth of benign hematopoietic cells in patients with chronic myeloid leukemia.

At CHMC, Cincinnati, I established the stem cell biology laboratory to further investigate the field of Hematopoietic stem cells specifically involving the umbilical cord blood. I started the clinical Umbilical cord blood transplant program at CHMC. Through my research efforts we were able to develop a sterile system for collection and use of cord blood cells. This endeavor later contributed in establishing methods to collect and store cord blood for clinical use. In the laboratory we were able to set up the assays to identify and collect highly purified hematopoietic cells from the cord blood. The engraftment and expansion potential of the cord blood derived hematopoietic cells was studied in the immune deficient mice. Also these models were then used to develop assays for gene transfer in Fanconi Anemia. Currently, at Stanford my focus is to develop clinical research protocols to reduce toxicity from high doses of chemotherapy and radiation therapy, cellular therapies to reduce graft vs host disease, Graft manipulation to reduce complications from graft vs. host disease in patients who receive mismatched donor stem cells and develop cellular therapies to treat viral infections post transplant.

Throughout my academic career, I have maintained my interest and commitment in providing not only excellent patient care but to provide clinical research data which can be utilized to improve patient care at the end.

CLINICAL TRIALS

- CD4⁺LVFOXP3 in Participants With IPEX, Recruiting
- Depleted Donor Stem Cell Transplant in Children and Adults With Fanconi Anemia After Being Conditioned With a Regimen Containing JSP191 Antibody, Recruiting
- Long Term Effects On Recipients of Hematopoietic Stem Cell Transplantation, Recruiting
- Stem Cell Transplant From Donors After Alpha Beta Cell Depletion in Children and Adults With T-allo10 Cells Addback, Recruiting
- Use of T-allo10 in Hematopoietic Stem Cell Transplantation (HSCT) for Blood Disorders, Recruiting
- Donor Umbilical Cord Blood Transplant With or Without Ex-vivo Expanded Cord Blood Progenitor Cells in Treating Patients With Acute Myeloid Leukemia, Acute Lymphoblastic Leukemia, Chronic Myelogenous Leukemia, or Myelodysplastic Syndromes, Not Recruiting
- Expanded Access Protocol to Provide Brincidofovir for the Treatment of Serious Adenovirus Infection or Disease, Not Recruiting
- Safety Study of Gene Modified Donor T-cells Following TCR^{##+} Depleted Stem Cell Transplant, Not Recruiting
- Sirolimus and Mycophenolate Mofetil in Preventing GVHD in Patients With Hematologic Malignancies Undergoing HSCT, Not Recruiting

- Study to Assess Brincidofovir Treatment of Serious Diseases or Conditions Caused by Double-stranded DNA Viruses, Not Recruiting

Publications

PUBLICATIONS

- **Effect of Testicular Boost in Children With Leukemia Receiving Total Body Irradiation and Stem Cell Transplant: A Single-Institution Experience.** *Advances in radiation oncology*
Blomain, E. S., Jiang, A., Donaldson, S. S., Agarwal, R., Bertaina, A., Shyr, D., Eisenberg, M. L., Hoppe, R. T., Hiniker, S. M., Oh, J.
2023; 8 (1): 101071
- **LENTIVIRAL-MEDIATED GENE THERAPY FOR FANCONI ANEMIA [GROUP A]: RESULTS FROM RP-L102 CLINICAL TRIALS**
Czechowicz, A., Sevilla, J., Booth, C., Agarwal, R., Zubicaray, J., Rio, P., Navarro, S., Chetty, K., O'Toole, G., Xu-Bayford, J., Ancliff, P., Sebastian, E., Choi, et al
WILEY.2023: S136-S137
- **Effect of Testicular Boost in Children With Leukemia Receiving Total Body Irradiation and Stem Cell Transplant: A Single-Institution Experience** *ADVANCES IN RADIATION ONCOLOGY*
Blomain, E. S., Jiang, A., Donaldson, S. S., Agarwal, R., Bertaina, A., Shyr, D., Eisenberg, M. L., Hoppe, R. T., Hiniker, S. M., Oh, J.
2023; 8 (1)
- **Precision Delivery of Steroids as a Rescue Therapy for Gastrointestinal Graft-versus-Host Disease in Pediatric Stem Cell Transplant Recipients** *Journal of Clinical Medicine*
Levitte, s., Ganguly, A., Frolik, S., Guevara-Tique, A., et al
2023; 12 (4229)
- **Hematopoietic and Immunological Assessment in Fanconi Anemia after Ex Vivo Lentiviral FANCA Gene Therapy with RP-L102**
Nofal, R., Chan, Y., Sen, S., Figueroa, U., Willner, H., Felber, M., Krampf, M., Thongthip, S., Choi, G., Nicoletti, E., Schwartz, J. D., Weinberg, K., Rodriguez, et al
AMER SOC HEMATOLOGY.2022: 7772-7773
- **Lentiviral-mediated Gene Therapy for Patients with Fanconi Anemia [Group A]: Updated Results from Global RP-L102 Clinical Trials**
Czechowicz, A., Sevilla, J., Booth, C., Agarwal, R., Zubicaray, J., Rio, P., Navarro, S., Chetty, K., O'Toole, G., Xu-Bayford, J., Ancliff, P., Sebastian, E., Choi, et al
AMER SOC HEMATOLOGY.2022: 10646-10647
- **Sequential Stem Cell-Kidney Transplantation in Schimke Immuno-osseous Dysplasia.** *The New England journal of medicine*
Bertaina, A., Grimm, P. C., Weinberg, K., Parkman, R., Kristovich, K. M., Barbarito, G., Lippner, E., Dhamdhere, G., Ramachandran, V., Spatz, J. M., Fathallah-Shaykh, S., Atkinson, T. P., Al-Uzri, et al
2022; 386 (24): 2295-2302
- **Sequential hematopoietic stem cell transplantation (HSCT) followed by kidney transplant-3 children who received ABT-cell/CD19 B-cell depleted HSCT followed by kidney transplant from same parental donor are rejection free and immunosuppression free with donor specific tolerance > 1year post kidney transplant**
Grimm, P., Lewis, D. B., Al-Uzri, A., Fathallah-Shaykh, S., Shah, A., Agarwal, R., Weinberg, K. I., Gallo, A., Concepcion, W., Bertaina, A.
WILEY.2022
- **Functional Immune Tolerance Induced By Sequential Hematopoietic Stem Cell-Solid Organ Transplantation**
Bertaina, A., Barbarito, G., Ramachandran, V. V., Kristovich, K., Lippner, E., Fathallah-Shaykh, S., Al-Uzri, A., Shah, A. J., Aubert, G., Slepicka, P., Oppizzi, L., Agarwal, R., Roncarolo, et al
AMER SOC HEMATOLOGY.2021: 1818+
- **Gene Therapy for Fanconi Anemia [Group A]: Interim Results of RP-L102 Clinical Trials**
Czechowicz, A., Sevilla, J., Agarwal, R., Booth, C., Zubicaray, J., Rio, P., Navarro, S., Ancliff, P., Sebastian, E., Beard, B. C., Law, K. M., Choi, G., Zeini, et al
AMER SOC HEMATOLOGY.2021
- **Alloantigen-specific type 1 regulatory T cells suppress through CTLA-4 and PD-1 pathways and persist long-term in patients.** *Science translational medicine*
Chen, P. P., Cepika, A., Agarwal-Hashmi, R., Saini, G., Uyeda, M. J., Louis, D. M., Cieniewicz, B., Narula, M., Amaya Hernandez, L. C., Harre, N., Xu, L., Thomas, B. C., Ji, et al
2021; 13 (617): eabf5264
- **Tissue-specific telomere shortening and degenerative changes in a patient with TINF2 mutation and dyskeratosis congenita.** *Human pathology (New York)*

Roake, C. M., Juntilla, M., Agarwal-Hashmi, R., Artandi, S., Kuo, C. S.
2021; 25

- **Gene Therapy for Fanconi Anemia [Group A]: Preliminary Results of Ongoing RP-L102 Clinical Trials**
Czechowicz, A., Sevilla, J., Booth, C., Agarwal, R., Zubicaray, J., Rio, P., Navarro, S., Ancliff, P. J., Beard, B. C., Law, K. M., Choi, G., Zeini, M., Duran-Persson, et al
CELL PRESS.2021: 339
- **Preclinical Safety and Efficacy Validation of CD4(LVFOXP3) Cells as an Innovative Cell-Based Gene Therapy Approach for IPEX Syndrome**
Sato, Y., Nathan, A., Wright, J., Tate, K., Wani, P., Fazeli, F., Timnak, A., Bhatia, N., Agarwal-Hashmi, R., Bertaina, A., Roncarolo, M., Bacchetta, R.
CELL PRESS.2021: 340
- **Adoptively Transferred, In Vitro-Generated Alloantigen-Specific Type 1 Regulatory T (Tr1) Cells Persist Long-Term In Vivo**
Cepika, A., Chen, P. P., Agarwal, R., Saini, G., Louis, D. M., Amaya-Hernandez, L. C., Xu, L., Shiraz, P., Tate, K. M., Margittai, D., Bhatia, N., Meyer, E., Bertaina, et al
CELL PRESS.2021: 73
- **CD34 expression does not correlate with immunophenotypic stem cell or progenitor content in human cord blood products.** *Blood advances*
Mantri, S., Reinisch, A., Dejene, B. T., Lyell, D. J., DiGiusto, D. L., Agarwal-Hashmi, R., Majeti, R., Weinberg, K. I., Porteus, M. H.
2020; 4 (21): 5357–61
- **The Binns Program for Cord Blood Research: A novel model of cord blood banking for academic biomedical research.** *Placenta*
Mantri, S., Sheikali, A., Binns, C., Lyell, D. J., DiGiusto, D. L., Porteus, M. H., Agarwal-Hashmi, R.
2020; 103: 50–52
- **A beta T-Cell/CD19 B-Cell Depleted Haploidentical Stem Cell Transplantation: A New Platform for Curing Rare and Monogenic Disorders**
Bertaina, A., Bacchetta, R., Lewis, D. B., Grimm, P. C., Shah, A. J., Agarwal, R., Concepcion, W., Czechowicz, A., Bhatia, N., Lahiri, P., Weinberg, K. I., Parkman, R., Porteus, et al
ELSEVIER SCIENCE INC.2020: S288
- **The Binns Program for Cord Blood Research: A Novel Program for Cord Blood Procurement in an Academic Setting for Biomedical Research**
Sheikali, A., Mantri, S., Lyell, D., Porteus, M., Agarwal, R.
ELSEVIER SCIENCE INC.2020: S206
- **Regulatory Type 1 T Cell Infusion in Mismatched Related or Unrelated Hematopoietic Stem Cell Transplantation (HSCT) for Hematologic Malignancies**
Agarwal, R., Bacchetta, R., Bertaina, A., Chen, P., Saini, G., Shiraz, P., Bhatia, N., Roncarolo, M.
ELSEVIER SCIENCE INC.2020: S272–S273
- **Early Epigenetic Immune Quantification Following Alpha/Beta T-Cell/CD19 B-Cell Depleted Haploidentical Stem Cell Transplant Correlates with CD4+T Cell Recovery at Day+100**
Mayers, M., Schulze, J., Barbarito, G., Lakshmanan, U., Parkman, R., Weinberg, K. I., Chu, J., Agarwal, R., Roncarolo, M., Sachsenmaier, C., Bacchetta, R., Bertaina, A.
ELSEVIER SCIENCE INC.2020: S305
- **Third-Party Virus-Specific T-Cell Infusion for Treatment of Refractory Viral Infections: Interim Results from PBMTc SUP1701**
Keller, M. D., Hanley, P. J., Zhang, N., Tanna, J., Fatic, A., Lang, H., Ekanem, U., Sani, G. M., Aguayo-Hiraldo, P., Quigg, T. C., Verneris, M. R., Parikh, S., Dvorak, et al
ELSEVIER SCIENCE INC.2020: S89–S90
- **Alloantigen-specific Tr1 cells designed to prevent GvHD have a distinct molecular identity and suppress through CTLA-4 and PD-1** *Society for Immunotherapy of Cancer's (SITC) 35th Anniversary Annual Meeting*
Cepika, A., Chen, P. P., Uyeda, M. J., Cieniewicz, B., Narula, M., Amaya, L., Louis, D. M., Xu, L., Ji, X., Bertaina, A., Agarwal-Hashmi, R., Davis, M. M., Meyer, et al
2020: A159–A159
- **Brentuximab Vedotin as Consolidation Therapy After Autologous Stem Cell Transplantation in Children and Adolescents (<18y) With Early Relapse Hodgkin Lymphoma.** *Journal of pediatric hematology/oncology*
Fernandez, K. S., Mavers, M., Marks, L. J., Agarwal, R.
2019
- **Non-Genotoxic Anti-CD117 Antibody Conditioning Results in Successful Hematopoietic Stem Cell Engraftment in Patients with Severe Combined Immunodeficiency**

- Agarwal, R., Dvorak, C. C., Kwon, H., Long-Boyle, J. R., Prohaska, S. S., Brown, J. W., Le, A., Guttman-Klein, A., Weissman, I. L., Cowan, M. J., Logan, A. C., Weinberg, K. I., Parkman, et al
AMER SOC HEMATOLOGY.2019
- **REGULATORY TYPE 1 T CELL INFUSION IN MISMATCHED RELATED OR UNRELATED HEMATOPOIETIC STEM CELL TRANSPLANTATION (HSCT) FOR HEMATOLOGIC MALIGNANCIES**
Agarwal, R., Bacchetta, R., Bertaina, A., Hu, J. C., Chen, P., Saini, G., Bhatia, N., Roncarolo, M.
WILEY.2019
 - **Feasibility of brentuximab vedotin as consolidation therapy after autologous stem-cell transplantation in children and adolescents (< 18 years) with early relapse Hodgkin lymphoma.**
Fernandez, K. S., Mavers, M., Chang-Halpenny, C. N., Titapiwatanakun, R., Baker, K., Pugmire, B., Tcheng, W., Agarwal-Hashmi, R.
AMER SOC CLINICAL ONCOLOGY.2019
 - **Chimerism Analysis in Pediatric Hematopoietic Stem Cell Transplantation for Non-Malignant Disorders**
Mariano, L., Zhang, B., Kristovich, K., Agarwal-Hashmi, R., Roncarolo, M., Bertaina, A., Fernandez-Vina, M.
ELSEVIER SCIENCE INC.2019
 - **Toxicity-Free Hematopoietic Stem Cell Engraftment Achieved with Anti-CD117 Monoclonal Antibody Conditioning**
Agarwal, R., Dvorak, C. C., Prohaska, S., Long-Boyle, J., Kwon, H., Brown, J. M., Weinberg, K. I., Le, A., Guttman-Klein, A., Logan, A. C., Weissman, I. L., Digiusto, D., Cowan, et al
ELSEVIER SCIENCE INC.2019
 - **Regulatory Type 1 T Cell Infusion in Mismatched Related or Unrelated Hematopoietic Stem Cell Transplantation (HSCT) for Hematologic Malignancies**
Agarwal, R., Bacchetta, R., Bertaina, A., Chu, J., Chen, P., Saini, G., Bhatia, N., Roncarolo, M.
ELSEVIER SCIENCE INC.2019
 - **Administration of BPX-501 Cells Following A beta T and B-Cell-Depleted HLA Haploidentical HSCT (haplo-HSCT) in Children with Acute Leukemias (AL)**
Galaverna, F., Ruggeri, A., Merli, P., Kapoor, N., Agarwal-Hashmi, R., Aquino, V., Jacobsohn, D. A., Qasim, W., Nemecek, E. R., Krishnamurti, L., Manwani, D., Kuhn, M., Locatelli, et al
ELSEVIER SCIENCE INC.2019
 - **Newborn Screening for Severe Combined Immunodeficiency and T-cell Lymphopenia in California, 2010-2017** *PEDIATRICS*
Amatuni, G. S., Currier, R. J., Church, J. A., Bishop, T., Grimbacher, E., Nguyen, A., Agarwal-Hashmi, R., Aznar, C. P., Butte, M. J., Cowan, M. J., Dorsey, M. J., Dvorak, C. C., Kapoor, et al
2019; 143 (2)
 - **Newborn Screening for Severe Combined Immunodeficiency and T-cell Lymphopenia in California, 2010-2017.** *Pediatrics*
Amatuni, G. S., Currier, R. J., Church, J. A., Bishop, T., Grimbacher, E., Nguyen, A. A., Agarwal-Hashmi, R., Aznar, C. P., Butte, M. J., Cowan, M. J., Dorsey, M. J., Dvorak, C. C., Kapoor, et al
2019
 - **Central Nervous System Relapse After Stem Cell Transplantation in Adolescents and Young Adults with Acute Lymphoblastic Leukemia: A Single-Institution Experience.** *Journal of adolescent and young adult oncology*
Kozak, M. M., Yoo, C. H., Gutkin, P. M., von Eyben, R. n., Agarwal, R. n., Donaldson, S. S., Muffly, L. n., Hiniker, S. M.
2019
 - **Related and unrelated donor transplantation for #-thalassemia major: results of an international survey.** *Blood advances*
Li, C. n., Mathews, V. n., Kim, S. n., George, B. n., Hebert, K. n., Jiang, H. n., Li, C. n., Zhu, Y. n., Keesler, D. A., Boelens, J. J., Dvorak, C. C., Agarwal, R. n., Auletta, et al
2019; 3 (17): 2562–70
 - **Administration of BPX-501 Following alpha-T and B-Cell Depleted Haplo-HSCT in Children with Transfusion-Dependent Thalassemia**
Galaverna, F., Pagliara, D., Manwani, D., Agarwal, R., Kuhn, M., Locatelli, F.
AMER SOC HEMATOLOGY.2018
 - **Related and Unrelated Donor Transplantation for beta Thalassemia Major: Results of an International Survey**
Li, C., Mathews, V., George, B., Kim, S., Hebert, K., Jiang, H., Li, C., Zhu, Y., Keesler, D. A., Agarwal, R., Boelens, J., Dvorak, C. C., Auletta, et al
AMER SOC HEMATOLOGY.2018

- **Administration of Rimiducid Following Haploidentical BPX-501 Cells in Children with Malignant or Non-Malignant Disorders Who Develop Graft-Versus-Host-Disease (GvHD)**
Elkeky, R., Jacobsohn, D. A., Agarwal, R., Naik, S., Kapoor, N., Krishnamurti, L., Slatter, M., Galaverna, F., Merli, P., Aldinger, M., Locatelli, F.
AMER SOC HEMATOLOGY.2018
- **Administration of BPX-501 Cells Following A beta T and B-Cell-Depleted HLA Haploidentical HSCT (haplo-HSCT) in Children with Acute Leukemias**
Locatelli, F., Ruggeri, A., Merli, P., Naik, S., Agarwal, R., Aquino, V., Jacobsohn, D. A., Qasim, W., Nemecek, E. R., Krishnamurti, L., Manwani, D., Kuhn, M., Kapoor, et al
AMER SOC HEMATOLOGY.2018
- **Mapping the Cellular Heterogeneity of CD34-Selected Umbilical Cord Blood Products**
Mantri, S., Reinisch, A., Weinberg, K., Lyell, D., DiGiusto, D., Agarwal-Hashmi, R., Porteus, M.
NATURE PUBLISHING GROUP.2018: 505–7
- **The Binns Program for Cord Blood Research: a novel program for cord blood procurement in an academic setting for biomedical research**
Mantri, S., Lyell, D., DiGiusto, D., Porteus, M., Agarwal-Hashmi, R.
NATURE PUBLISHING GROUP.2018: 787–88
- **The Cost of Hematopoietic Stem-Cell Transplantation in the United States** *AMERICAN HEALTH AND DRUG BENEFITS*
Broder, M. S., Quock, T. P., Chang, E., Reddy, S. R., Agarwal-Hashmi, R., Arai, S., Villa, K. F.
2017; 10 (7): 366–73
- **SINGLE INSTITUTION EXPERIENCE: COMPARISON OF HEPARIN VERSUS URSODIOL FOR PREVENTION OF VOD.**
Shinn, L., Pinner, L., Kula, J., Kumar, P., Agarwal, R., Weinberg, K.
ONCOLOGY NURSING SOC.2017
- **Anti-Fungal Prophylaxis Using Intermediate Dose Ambisome is Associated with Delayed Methotrexate Clearance in Pediatric Patients Undergoing Allogeneic Hematopoietic Stem Cell Transplantation**
Schultz, L., Kumar, K., Stone, S., Callard, E., Witkowski, J., Shinn, L., Pinner, L., Weinberg, K. I., Porteus, M. H., Agarwal, R., Shah, A. J., Kharbanda, S.
ELSEVIER SCIENCE INC.2017: S297–S298
- **Anti-Fungal Prophylaxis Using Intermediate Dose Ambisome Is Associated with Delayed Methotrexate Clearance in Pediatric Patients Undergoing Allogeneic Hematopoietic Stem Cell Transplantation**
Schultz, L. M., Kumar, K., Stone, S., Callard, E., Witkowski, J., Shinn, L., Pinner, L., Franklin, S., Kula, J., Patel, N., Kumar, P., Weinberg, K. I., Porteus, et al
AMER SOC HEMATOLOGY.2016
- **Invasive Fungal Disease in Pediatric Patients Undergoing Allogeneic Hematopoietic Stem Cell Transplant** *JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY*
Aftandilian, C., Weinberg, K., Willert, J., Kharbanda, S., Porteus, M., Maldonado, Y., Agarwal, R.
2016; 38 (7): 574-580
- **Invasive Fungal Disease in Pediatric Patients Undergoing Allogeneic Hematopoietic Stem Cell Transplant.** *Journal of pediatric hematology/oncology*
Aftandilian, C., Weinberg, K., Willert, J., Kharbanda, S., Porteus, M., Maldonado, Y., Agarwal, R.
2016; 38 (7): 574-580
- **Costs of Hematopoietic Stem Cell Transplantation and Associated Conditioning Regimens**
Quock, T. P., Broder, M. S., Chang, E., Reddy, S. R., Arai, S., Agarwal-Hashmi, R., Villa, K. F.
ELSEVIER SCIENCE INC.2016: S282
- **Costs of Hematopoietic Stem Cell Transplantation and Associated Conditioning Regimens**
Quock, T. P., Broder, M. S., Chang, E., Reddy, S. R., Arai, S., Agarwal-Hashmi, R., Villa, K. F.
AMER SOC HEMATOLOGY.2015
- **A Pediatric Case of T-Cell Polymorphocytic Leukemia** *PEDIATRIC BLOOD & CANCER*
Mitton, B., Coutre, S., Willert, J., Schlis, K., Porteus, M., Kharbanda, S., Agarwal-Hashmi, R.
2015; 62 (6): 1061-1062
- **A Reduced-Toxicity Regimen Is Associated with Durable Engraftment and Clinical Cure of Nonmalignant Genetic Diseases among Children Undergoing Blood and Marrow Transplantation with an HLA-Matched Related Donor.** *Biology of blood and marrow transplantation*
Mahadeo, K. M., Weinberg, K. I., Abdel-Azim, H., Miklos, D. B., Killen, R., Kohn, D., Crooks, G. M., Shah, A. J., Kharbanda, S., Agarwal, R., Kapoor, N.

2015; 21 (3): 440-444

- **Improved outcomes after autologous bone marrow transplantation for children with relapsed or refractory hodgkin lymphoma: twenty years experience at a single institution.** *Biology of blood and marrow transplantation*
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2015; 21 (2): 326-334
- **A Multidisciplinary Care Team Perspective on Children's Emotional Experience in Isolation for Stem Cell Transplantation** *2015 BMT Tandem Meetings*
Savig, E. S., Gurevitch, J. H., Jackson, J. E., Malinowski, A., Ju, W. G., Leifer, L. J., Cohen, H. J., Sourkes, B. M., Agarwal-Hashmi, R.
2015: S180
- **Survival and neurocognitive outcomes after cranial or craniospinal irradiation plus total-body irradiation before stem cell transplantation in pediatric leukemia patients with central nervous system involvement.** *International journal of radiation oncology, biology, physics*
Hiniker, S. M., Agarwal, R., Modlin, L. A., Gray, C. C., Harris, J. P., Million, L., Kiamanesh, E. F., Donaldson, S. S.
2014; 89 (1): 67-74
- **Unrelated donor allogeneic hematopoietic stem cell transplantation for patients with hemoglobinopathies using a reduced-intensity conditioning regimen and third-party mesenchymal stromal cells.** *Biology of blood and marrow transplantation*
Kharbanda, S., Smith, A. R., Hutchinson, S. K., McKenna, D. H., Ball, J. B., Lamb, L. S., Agarwal, R., Weinberg, K. I., Wagner, J. E.
2014; 20 (4): 581-586
- **Cytokine and chemokine patterns across 100 days after hematopoietic stem cell transplantation in children.** *Biology of blood and marrow transplantation*
DiCarlo, J., Agarwal-Hashmi, R., Shah, A., Kim, P., Craveiro, L., Killen, R., Rosenberg-Hasson, Y., Maecker, H.
2014; 20 (3): 361-369
- **Durable Engraftment, Correction of Genetic Defects and Prevention of Veno-Occlusive Disease, Following Blood and Marrow Transplantation with an HLA-Matched Sibling DONOR, Using a Reduced Toxicity Conditioning Regimen with Busulfan, Reduced Dose Cyclophos**
Mahadeo, K., Agarwal, R., Weinberg, K. I., Abdel-Azim, H., Miklos, D. B., Shah, A. J., Tappa, L., Kapoor, N.
ELSEVIER SCIENCE INC.2014: S83
- **Outcome in Pediatric Patients with a History of Fungal Disease Prior to Allogeneic Stem Cell Transplant**
Aftandilian, C., Agarwal, R., Kharbanda, S., Weinberg, K. I.
ELSEVIER SCIENCE INC.2014: S165
- **END Organ Disease in the Context of Human Herpes VIRUS 6 Viremia in Pediatric Allogeneic Hematopoietic STEM CELL Transplant Patients: A Case Series**
Winestone, L., Agarwal, R., Montoya, J., Weinberg, K. I., Porteus, M. H., Pinsky, B., Soda, E., Waggoner, J., Tamareisis, J., Kharbanda, S.
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