



## Sushma Bharadwaj, MD

Instructor, Medicine - Blood & Marrow Transplantation

### CLINICAL OFFICE (PRIMARY)

- **BMT Division**

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### Bio

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#### BIO

Dr. Bharadwaj is fellowship-trained in blood and marrow transplantation, cellular therapy, hematology, and oncology. She is an instructor in the Stanford School of Medicine Department of Medicine, Division of Blood & Marrow Transplantation and Cellular Therapy.

Dr. Bharadwaj focuses her expertise on diagnosing and treating cancer in blood and bone marrow. For each patient, she develops a personalized, comprehensive, and compassionate care plan. In her diverse experience as a physician and scientist, she has served as an internal medicine doctor, hospitalist, hematologist, oncologist, and blood and marrow transplantation specialist. Dr. Bharadwaj has a degree in clinical research and is currently conducting clinical trials in transplant and cellular therapy.

She has participated in research studies of advances in therapy for chronic lymphocytic leukemia, melanoma, and breast cancer. She has co-authored articles published in *Leukemia and Lymphoma* and elsewhere. Topics include advances in cell transplantation. She also co-wrote the chapter on genome-driven personalized cancer therapy in the book *Precision Medicine in Oncology*.

Dr. Bharadwaj has made presentations at meetings of the American Society of Hematology, American Society of Clinical Oncology, and other associations.

Subjects include racial, demographic, and socioeconomic disparities in the treatment of patients with acute myeloid leukemia.

Dr. Bharadwaj is a member of the American Society for Transplantation and Cellular Therapy, American Society of Hematology, and American Society of Clinical Oncology.

#### CLINICAL FOCUS

- Cancer > Blood and Marrow Transplant
- Cancer > Hematology > Leukemia - Acute and Chronic
- Cancer > Lymphoma
- Hematology

- Leukemia
- Lymphoma

## ACADEMIC APPOINTMENTS

- Instructor, Medicine - Blood & Marrow Transplantation

## HONORS AND AWARDS

- ASTCT Clinical Research Training Course Scholar, ASTCT (2022)
- Organizational Excellence Award, South Zone Pharmacology Conference, Mangalore, India

## PROFESSIONAL EDUCATION

- Board Certification: Hematology, American Board of Internal Medicine (2021)
- Board Certification: Internal Medicine, American Board of Internal Medicine (2021)
- Fellowship: Stanford University Bone Marrow Transplant Fellowship (2021) CA
- Fellowship: Cook County Health Hematology Oncology Fellowship (2020) IL
- Residency: John H Stroger Jr Hospital of Cook County Internal Medicine Residency (2013) IL
- Internship: University of Illinois College of Medicine at Peoria (2011) IL
- Medical Education: Kasturba Medical College Mangalore (2006) India

## Research & Scholarship

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### CLINICAL TRIALS

- Safety of Myeloablative Conditioning, Orca-T, and Allogeneic, Donor-Derived CD19/CD22-CAR (Chimeric Antigen Receptor) T Cells in Adults With B-cell Acute Lymphoblastic Leukemia (ALL), Recruiting

## Publications

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### PUBLICATIONS

- **Clinical Features of Neurotoxicity Following CD19 CAR T-cell Therapy in Mantle Cell Lymphoma.** *Blood advances*  
Nie, E. H., Su, Y. J., Baird, J. H., Agarwal, N., Bharadwaj, S., Weng, W. K., Smith, M., Dahiya, S., Han, M. H., Dunn, J. E., Kipp, L. B., Miklos, D. B., Scott, et al  
2024
- **TIGIT is Frequently Expressed in the Tumor Microenvironment of Select Lymphomas: Implications for Targeted Therapy.** *The American journal of surgical pathology*  
Libert, D., Zhao, S., Younes, S., Mosquera, A. P., Bharadwaj, S., Ferreira, C., Natkunam, Y.  
2023
- **Single Center Randomized Trial of T-reg graft alone versus T-reg graft Plus Tacrolimus for the Prevention of Acute GVHD.** *Blood advances*  
Bader, C. S., Pavlova, A., Lowsky, R., Muffly, L., Shiraz, P., Arai, S., Johnston, L. J., Rezvani, A. R., Weng, W. K., Miklos, D. B., Frank, M. J., Tamaresis, J. S., Agrawal, et al  
2023
- **Bendamustine vs. fludarabine/cyclophosphamide lymphodepletion prior to BCMA CAR-T cell therapy in multiple myeloma.** *Blood cancer journal*  
Sidana, S., Hosoya, H., Jensen, A., Liu, L., Goyal, A., Hovanky, V., Sahaf, B., Bharadwaj, S., Latchford, T., Arai, S., Leahy, S., Mei, M., Budde, et al  
2023; 13 (1): 158
- **Idecabtagene vicleucel chimeric antigen receptor T-cell therapy for relapsed/refractory multiple myeloma with renal impairment.** *Haematologica*  
Sidana, S., Peres, L. C., Hashmi, H., Hosoya, H., Ferreri, C., Khouri, J., Dima, D., Atrash, S., Voorhees, P., Simmons, G., Sborov, D. W., Kalariya, N., Hovanky, et al  
2023
- **Detection of Aberrant CD58 Expression in a Wide Spectrum of Lymphoma Subtypes: Implications for Treatment Resistance.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*

Younes, S., Zhao, S., Bharadwaj, S., Mosquera, A. P., Libert, D., Johnsrud, A., Majzner, R. G., Miklos, D. B., Frank, M. J., Natkunam, Y.  
2023: 100256

- **Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with immune effector cell-associated neurotoxicity syndrome (ICANS) following CD19 CAR T-cell therapy for mantle cell lymphoma.** *Journal of neuropathology and experimental neurology*  
Nie, E. H., Ahmadian, S. S., Bharadwaj, S. N., Acosta-Alvarez, L., Threlkeld, Z. D., Frank, M. J., Miklos, D. B., Monje, M., Scott, B. J., Vogel, H.  
2023
- **Idecabtagene Vicleucel Chimeric Antigen Receptor T-Cell Therapy for Relapsed/Refractory Multiple Myeloma with Renal Insufficiency: Real World Experience**  
Sidana, S., Peres, L. C., Hashmi, H., Hosoya, H., Ferreri, C. J., Atrash, S., Khouri, J., Voorhees, P. M., Dima, D., Simmons, G., Kalariya, N., Hovanky, V., Bharadwaj, et al  
AMER SOC HEMATOLOGY.2022: 10377-10379
- **Higher Rates of Severe Infection and Persistent Cytopenias in Long-Term CAR19 Responders Than after Autologous HCT: A Single Institution Study of 139 Subjects**  
Hamilton, M. P., Liu-Fei, F. C., Alig, S. K., Tamaresis, J., Esfahani, M., Good, Z., Sworder, B., Schroers-Martin, J., Liu, C., Severinsen, F., Hanson, P. J., Lu, Y., Lowsky, et al  
AMER SOC HEMATOLOGY.2022: 7545-7547
- **The Development of Carhlh after Axicabtagene Ciloleucel Is Associated with Poor Outcomes**  
Philip, S., Srinagesh, H. K., Hamilton, M. P., Gentile, C., Mina, A., Arai, S., Johnston, L. J., Lowsky, R., Meyer, E. H., Negrin, R. S., Rezvani, A. R., Shiraz, P., Shizuru, et al  
AMER SOC HEMATOLOGY.2022: 12775-12777
- **Analysis of Bendamustine Lymphodepletion, CD19 CART Expansion, Safety and Efficacy in Patients with Rel/Ref NonHodgkin Lymphoma**  
Bharadwaj, S., Hamilton, M. P., Sahaf, B., Tamaresis, J., Patil, S., Hanson, P. J., Latchford, T., Arai, S., Johnston, L. J., Lowsky, R., Negrin, R. S., Rezvani, A. R., Shizuru, et al  
AMER SOC HEMATOLOGY.2022: 10371-10373
- **Belumosudil Combination Therapy in Refractory Chronic Graft-Versus-Host Disease**  
Chin, M., Shizuru, J. A., Muffly, L., Shiraz, P., Johnston, L. J., Lowsky, R., Rezvani, A. R., Frank, M. J., Bharadwaj, S., Weng, W., Negrin, R. S., Miklos, D. B., Arai, et al  
AMER SOC HEMATOLOGY.2022: 4788-4789
- **Outcomes for Acute Myeloid Leukemia Relapse after Allogeneic Hematopoietic Cell Transplantation Remain Poor in the Modern Era**  
Philip, S., Lowsky, R., Johnston, L. J., Arai, S., Meyer, E. H., Negrin, R. S., Rezvani, A. R., Shiraz, P., Shizuru, J. A., Sidana, S., Weng, W., Bharadwaj, S., Frank, et al  
AMER SOC HEMATOLOGY.2022: 4825-4827
- **Geriatrics assessment in older adults referred for hematopoietic cell transplantation.** *Journal of the American Geriatrics Society*  
Sossenheimer, P. H., Bharadwaj, S., Johnston, L., Periyakoil, V. S.  
2022
- **Multifocal demyelinating leukoencephalopathy and oligodendroglial lineage cell loss with CD19 CAR T-cell lymphoma therapy**  
Nie, E., Ahmadian, S., Bharadwaj, S., Acosta-Alvarez, L., Threlkeld, Z., Frank, M., Miklos, D., Born, D., Scott, B., Monje, M., Vogel, H.  
OXFORD UNIV PRESS INC.2022: 464
- **Allogeneic Hematopoietic Cell Transplantation for Adult Acute Lymphoblastic Leukemia in the Modern Era.** *Transplantation and cellular therapy*  
Liang, E. C., Craig, J., Torelli, S., Cunanán, K., Iglesias, M., Arai, S., Frank, M. J., Johnston, L., Lowsky, R., Meyer, E. H., Miklos, D. B., Negrin, R., Rezvani, et al  
2022
- **Detection of Aberrant CD58 Expression in a Wide Spectrum of Hodgkin and Non-Hodgkin Lymphomas: Implications for CAR T Cell Resistance**  
Younes, S., Libert, D., Zhao, S., Johnsrud, A., Bharadwaj, S., Majzner, R., Frank, M., Miklos, D., Natkunam, Y.  
SPRINGERNATURE.2022: 1046-1048
- **Detection of Aberrant CD58 Expression in a Wide Spectrum of Hodgkin and Non-Hodgkin Lymphomas: Implications for CAR T Cell Resistance**  
Younes, S., Libert, D., Zhao, S., Johnsrud, A., Bharadwaj, S., Majzner, R., Frank, M., Miklos, D., Natkunam, Y.  
SPRINGERNATURE.2022: 1046-1048
- **Structural Racism is a Mediator of Disparities in Acute Myeloid Leukemia Outcomes.** *Blood*

Abraham, I. E., Rauscher, G. H., Patel, A. A., Pearse, W., Rajakumar, P., Burkart, M., Aleem, A., Dave, A., Bharadwaj, S., Paydary, K., Acevedo-Mendez, M., Goparaju, K., Gomez, et al  
1800

- **Significance of isolated deletion (20q) in donor cells after allogeneic hematopoietic cell transplantation** *LEUKEMIA & LYMPHOMA*  
Nathan, S., Bharadwaj, S., Luke, K., Kalas, L., Katz, D. A., Hussain, M., Miller, I., Hsu, W., Shammo, J., Venugopal, P., Ustun, C.  
2020; 61 (8): 2008-2011
- **Gender and glaucoma: what we know and what we need to know** *CURRENT OPINION IN OPHTHALMOLOGY*  
Vajaranant, T. S., Nayak, S., Wilensky, J. T., Joslin, C. E.  
2010; 21 (2): 91-99