

THE BOTTOM LINE

- e301** **Transplant for Acute Myeloid Leukemia in Patients Aged 70 Years and Older: Optimism and Opportunity**
Lori Muffly
- e303** **Is Haploidentical HCT Better Than...? A Wrong Question for Future Studies**
Celalettin Ustun

REVIEWS

- e305** **A Review of Growth Factor Support in Bloodless Autologous Hematopoietic Stem Cell Transplant**
Jennifer C. Zhao, Justin R. Arnall, Allison L. Martin, Shebli Atrash, Manisha Bhutani, Peter Voorhees, Belinda Avalos, Edward Copelan, Nilanjan Ghosh, Mehdi Hamadani, Saad Usmani, Patricia Ford
- e310** **Early Prediction of Cardiovascular Risk after Hematopoietic Cell Transplantation: Are We There Yet?**
Eleni Gavriilaki, Eugenia Gkaliagkousi, Ioanna Sakellari, Panagiota Anyfanti, Stella Douma, Achilles Anagnostopoulos

BIOLOGY

- 1911** **IL-22 Accelerates Thymus Regeneration via Stat3/Mcl-1 and Decreases Chronic Graft-versus-Host Disease in Mice after Allogeneic Hematopoietic Stem Cell Transplantation**
Bin Pan, Dong Wang, Lingling Li, Longmei Shang, Fan Xia, Fan Zhang, Ying Zhang, Robert Peter Gale, Mengdi Xu, Zhenyu Li, Kailin Xu
- 1920** **Kidney Injury in Murine Models of Hematopoietic Stem Cell Transplantation**
Qing Ma, Dan Li, Hernan G. Vasquez, M. James You, Vahid Afshar-Kharghan

BIOMARKERS

- 1925** **WT1 Measurable Residual Disease Assay in Patients With Acute Myeloid Leukemia Who Underwent Allogeneic Hematopoietic Stem Cell Transplantation: Optimal Time Points, Thresholds, and Candidates**
Byung-Sik Cho, Gi-June Min, Sung-Su Park, Seung-Hwan Shin, Seung-Ah Yahng, Young-Woo Jeon, Jae-Ho Yoon, Sung-Eun Lee, Ki-Seong Eom, Yoo-Jin Kim, Seok Lee, Chang-Ki Min, Seok-Goo Cho, Dong-Wook Kim, Jong-Wook Lee, Myungsin Kim, Younggu Kim, Hee-Je Kim

1933 **Alteration of the Intestinal Microbiota by Broad-Spectrum Antibiotic Use Correlates with the Occurrence of Intestinal Graft-versus-Host Disease**

Sung-Eun Lee, Ji-Young Lim, Da-Bin Ryu, Tae Woo Kim, Sung Soo Park, Young-Woo Jeon, Jae-Ho Yoon, Byung-Sik Cho, Ki-Seong Eom, Yoo-Jin Kim, Hee-Je Kim, Seok Lee, Seok-Goo Cho, Dong-Wook Kim, Jong Wook Lee, Chong-Su Kim, Dong-Mi Shin, Chang-Ki Min

1944 **Intestinal Microbiota Can Predict Acute Graft-versus-Host Disease Following Allogeneic Hematopoietic Stem Cell Transplantation**

Lijie Han, Haiyan Zhang, Shan Chen, Lizhi Zhou, Yuanyuan Li, Ke Zhao, Fen Huang, Zhiping Fan, Li Xuan, Xin Zhang, Min Dai, Qianyun Lin, Zhongxing Jiang, Jie Peng, Hua Jin, Qifa Liu

HISTOCOMPATIBILITY

1956 **Extended HLA Haplotypes and Their Impact on DPBI Matching of Unrelated Hematologic Stem Cell Transplant Donors**

Tiina Linjama, Caroline Räther, Jarmo Ritari, Juha Peräsaari, Hans-Peter Eberhard, Matti Korhonen, Satu Koskela

CELLULAR THERAPY

1965 **Long-Term Follow-Up of a Pilot Study Using Placenta-Derived Decidua Stromal Cells for Severe Acute Graft-versus-Host Disease**

Behnam Sadeghi, Mats Remberger, Britt Gustafsson, Jacek Winiarski, Gianluca Moretti, Bita Khoein, Lena Klingspor, Magnus Westgren, Jonas Mattsson, Olle Ringdén

ALLOGENEIC — ADULT

1970 **High Graft-versus-Host Disease-Free, Relapse/Rejection-Free Survival and Similar Outcome of Related and Unrelated Allogeneic Stem Cell Transplantation for Aplastic Anemia: A Nationwide Swedish Cohort Study**

Krista Vaht, Magnus Göransson, Kristina Carlson, Cecilia Isaksson, Stig Lenhoff, Anna Sandstedt, Bertil Uggla, Jacek Winiarski, Per Ljungman, Per-Ola Andersson, Mats Brune

1975 **Outcome of Allogeneic Hematopoietic Stem Cell Transplantation in Patients Age >69 Years with Acute Myelogenous Leukemia: On Behalf of the Acute Leukemia Working Party of the European Society for Blood and Marrow Transplantation**

Olle Ringdén, Ariane Boumendil, Myriam Labopin, Jonathan Canaani, Dietrich Beelen, Gerhard Ehninger, Dietger Niederwieser, Jurgen Finke, Matthias Stelljes, Armin Gerbitz, Arnold Ganser, Nicolaus Kröger, Lothar Kantz, Arne Brecht, Bipin Savani, Behnam Sadeghi, Mohamad Mohty, Arnon Nagler

- 1984** **A Phase II Multicenter Study of the Addition of Azacitidine to Reduced-Intensity Conditioning Allogeneic Transplant for High-Risk Myelodysplasia (and Older Patients with Acute Myeloid Leukemia): Results of CALGB 100801 (Alliance)**
Ravi Vij, Jennifer Le-Rademacher, Kristina Laumann, Vera Hars, Kouros Owzar, Tsiporah Shore, Sumithira Vasu, Amanda Cashen, Luis Isola, Thomas Shea, Margarida DeMagalhaes-Silverman, David Hurd, Kenneth Meehan, Frank Beardell, Steven Devine
- 1993** **Comparison of Two Doses of Antithymocyte Globulin in Reduced-Intensity Conditioning Allogeneic Hematopoietic Stem Cell Transplantation**
Hassan Issa, Nidhi Sharma, Qihong Zhao, Amy S. Ruppert, Patrick Elder, Don M. Benson, Sam Penza, Sumithira Vasu, Basem William, Samantha Jaglowski, Steven M. Devine, Yvonne A. Efebera
- 2002** **Ibrutinib for Chronic Graft-versus-Host Disease After Failure of Prior Therapy: 1-Year Update of a Phase 1b/2 Study**
Edmund K. Waller, David Miklos, Corey Cutler, Mukta Arora, Madan H. Jagasia, Iskra Pusic, Mary E.D. Flowers, Aaron C. Logan, Ryotaro Nakamura, Stephen Chang, Fong Clow, Indu D. Lal, Lori Styles, Samantha Jaglowski
- 2008** **Allogeneic Stem Cell Transplantation for Blast Crisis Chronic Myeloid Leukemia in the Era of Tyrosine Kinase Inhibitors: A Retrospective Study by the EBMT Chronic Malignancies Working Party**
Aleksandar Radujkovic, Sascha Dietrich, Henric-Jan Blok, Arnon Nagler, Francis Ayuk, Jürgen Finke, Johanna Tischer, Jiri Mayer, Yener Koc, Federica Sorà, Jakob Passweg, Jenny L. Byrne, Pavel Jindra, Joan Hendrik Veelken, Gerard Socié, Johan Maertens, Nicolaas Schaap, Michael Stadler, Maija Itälä-Remes, Eleni Tholouli, Mutlu Arat, Vanderson Rocha, Per Ljungman, Ibrahim Yakoub-Agha, Nicolaus Kröger, Yves Chalandon

PEDIATRIC

- 2017** **Results of Allogeneic Hematopoietic Stem Cell Transplantation in Fanconi Anemia Caused by Bone Marrow Failure: Single-Regimen, Single-Center Experience of 14 Years**
Gulen Tuysuz, Elif Guler, Deniz Ozel, Alphan Kupesiz
- 2024** **Pulmonary Complications in Pediatric and Adolescent Patients Following Allogeneic Hematopoietic Cell Transplantation**
Larisa Broglie, Caitrin Fretham, Amal Al-Seraihy, Biju George, Joanne Kurtzberg, Alison Loren, Margaret MacMillan, Caridad Martinez, Stella M. Davies, Marcelo C. Pasquini
- 2031** **Risk Factors for Transplant-Associated Thrombotic Microangiopathy after Autologous Hematopoietic Cell Transplant in High-Risk Neuroblastoma**
Vanessa P. Tolbert, Christopher C. Dvorak, Carla Golden, Madhav Vissa, Nura El-Haj, Farzana Perwad, Katherine K. Matthay, Kieuhoa T. Vo

- 2040** **G-CSF-Mobilized Blood and Bone Marrow Grafts as the Source of Stem Cells for HLA-Identical Sibling Transplantation in Patients with Thalassemia Major**
Qiaochuan Li, Jianming Luo, Zhongming Zhang, Lianjin Liu, Lin Luo, Gaohui Yang, Rongrong Liu, Lingling Shi, Rui Huang, Meiqing Wu, Yongrong Lai
- 2045** **Use of Multivariate Immune Reconstitution Patterns to Describe Immune Reconstitution after Allogeneic Stem Cell Transplantation in Children**
Karin Mellgren, Andreas F.M. Nierop, Jonas Abrahamsson

HAPLOIDENTICAL

- 2054** **Who Is a Better Donor for Recipients of Allogeneic Hematopoietic Cell Transplantation: A Young HLA-Mismatched Haploidentical Relative or an Older Fully HLA-Matched Sibling or Unrelated Donor?**
Eva Karam, Justin Laporte, Scott R. Solomon, Lawrence E. Morris, Xu Zhang, H. Kent Holland, Asad Bashey, Melhem M. Solh
- 2061** **Clinical Impacts of Using Serum IL-6 Level as an Indicator of Cytokine Release Syndrome after HLA-Haploidentical Transplantation with Post-Transplantation Cyclophosphamide**
Mitsutaka Nishimoto, Asao Hirose, Hideo Koh, Mika Nakamae, Satoru Nanno, Hiroshi Okamura, Takahiko Nakane, Yasuhiro Nakashima, Masayuki Hino, Hirohisa Nakamae
- 2070** **Early Cytomegalovirus Reactivation and Expansion of CD56^{bright} CD16^{dim/-} DNAM1⁺ Natural Killer Cells Are Associated with Antileukemia Effect after Haploidentical Stem Cell Transplantation in Acute Leukemia**
Ji Eun Jang, Doh Yu Hwang, Haerim Chung, Soo-Jeong Kim, Ju-In Eom, Hoi-Kyung Jeung, Jaewoo Song, Jin Seok Kim, June-Won Cheong, Yoo Hong Min

SUPPORTIVE CARE

- 2079** **Current Practice in Vitamin D Management in Allogeneic Hematopoietic Stem Cell Transplantation: A Survey by the Transplant Complications Working Party of the European Society for Blood and Marrow Transplantation**
J. Ros-Soto, J.A. Snowden, N. Salooja, M. Gilleece, A. Parker, D.M. Greenfield, C. Anthias, A. Alfred, A. Harrington, C. Peczynski, K. Peggs, A. Madrigal, G.W. Basak, H. Schoemans, on behalf of the Transplant Complications Working Party of the EBMT

QUALITY OF CARE

- 2086** **Inferior Access to Allogeneic Transplant in Disadvantaged Populations: A Center for International Blood and Marrow Transplant Research Analysis**
Kristjan Paulson, Ruta Brazauskas, Nandita Khera, Naya He, Navneet Majhail, Gorgun Akpek, Mahmoud Aljurf, David Buchbinder, Linda Burns, Sara Beattie, Cesar Freytes, Anne Garcia, James Gajewski, Theresa Hahn, Jennifer Knight, Charles LeMaistre, Hillard Lazarus, David Szwajcer, Matthew Seftel, Baldeep Wirk, William Wood, Wael Saber

INFECTIOUS DISEASE

- 2091** **Oral Vancomycin Prophylaxis as Secondary Prevention Against *Clostridioides difficile* Infection in the Hematopoietic Stem Cell Transplantation and Hematologic Malignancy Population**
Taylor Morrisette, Amanda G. Van Matre, Matthew A. Miller, Scott W. Mueller, Valida Bajrovic, Maheen Z. Abidi, Esther Benamu, Jeffrey N. Kaiser, Gerard R. Barber, Stephanie Chase, Jennifer Tobin, Douglas N. Fish, Jonathan A. Gutman

ANALYSIS

- 2098** **Association of Outcomes and Socioeconomic Status in Mexican Patients Undergoing Allogeneic Stem Cell Transplantation**
Eucario Leon Rodriguez, Monica M. Rivera Franco, Maria C. Ruiz González
- 2103** **Identification and Characterization of Hematopoietic Stem Cell Transplant Candidates in a Sickle Cell Disease Cohort**
Miriam V. Flor-Park, Shannon Kelly, Liliana Preiss, Brian Custer, Anna B.F. Carneiro-Proietti, Aderson S. Araujo, Paula Loureiro, Claudia Maximo, Daniela O.W. Rodrigues, Rosimere A. Mota, Ester C. Sabino, Vanderson Rocha, on behalf of the NHLBI Recipient Epidemiology and Donor Evaluation Study-III (REDS-III) – International Component Brazil

ASTCT NOTES

- 2110** **ASTCT Notes**