

THE BOTTOM LINE

- e219 Donor Lymphocyte Infusions versus Cytokine-Induced Killer Cells for Hematologic Malignancies after Transplantation**
Margaret G. Lamb, Dean A. Lee
- e221 Donor-Derived Cytokine-Induced Killer Cells after Nonmyeloablative Transplant for Myeloid Neoplasms**
Margaret G. Lamb, Dean A. Lee
- e223 Neutropenic Dietary Restrictions for Hematopoietic Stem Cell Patients: Time for a Change**
Karen Moody

REVIEWS

- e226 Hematopoietic Stem Cell Transplantation for Mucopolysaccharidoses: Past, Present, and Future**
Madeleine Taylor, Shaukat Khan, Molly Stapleton, Jianmin Wang, Jing Chen, Robert Wynn, Hiromasa Yabe, Yasutsugu Chinen, Jaap Jan Boelens, Robert W. Mason, Francyne Kubaski, Dafne D.G. Horovitz, Anneliese L. Barth, Marta Serafini, Maria Ester Bernardo, Hironori Kobayashi, Kenji E. Orii, Yasuyuki Suzuki, Tadao Orii, Shunji Tomatsu
- 1271 Risk Factors for Development of and Progression of Hepatic Veno-Occlusive Disease/Sinusoidal Obstruction Syndrome**
Selim Corbacioglu, Elias J. Jabbour, Mohamad Mohty

CELLULAR THERAPY

- 1281 Clearance of Hematologic Malignancies by Allogeneic Cytokine-Induced Killer Cell or Donor Lymphocyte Infusions**
Michael Merker, Emilia Salzmänn-Manrique, Verena Katzki, Sabine Huenecke, Melanie Bremm, Shahrzad Bakhtiar, Andre Willasch, Andrea Jarisch, Jan Soerensen, Ansgar Schulz, Roland Meisel, Gesine Bug, Halvard Bonig, Thomas Klingebiel, Peter Bader, Eva Rettinger
- 1293 Donor-Derived Cytokine-Induced Killer Cell Infusion as Consolidation after Nonmyeloablative Allogeneic Transplantation for Myeloid Neoplasms**
Rupa Narayan, Jonathan E. Benjamin, Omid Shah, Lu Tian, Keri Tate, Randall Armstrong, Bryan J. Xie, Robert Lowsky, Ginna Laport, Robert S. Negrin, Everett H. Meyer

AUTOLOGOUS

- I304** **Etoposide + Granulocyte Colony-Stimulating Factor and Optional Plerixafor in Patients Who Failed Chemomobilization with or without Plerixafor**
Andrius Zucenka, Valdas Peceliunas, Emile Maciutaite, Justina Chaleckaite, Ruta Jakimaviciute, Laimonas Griskevicius
- I312** **A Phase I/II, Open-Label, Prospective, Multicenter Study to Evaluate the Efficacy and Safety of Lower Doses of Bortezomib Plus Busulfan and Melphalan as a Conditioning Regimen in Patients with Multiple Myeloma Undergoing Autologous Peripheral Blood Stem Cell Transplantation: The KMM103 Study**
Sung-Soo Park, Kihyun Kim, Seok-Jin Kim, Jae Hoon Lee, Sung Soo Yoon, Yeung Chul Mun, Je-Jung Lee, Hyeon-Seok Eom, Jin Seok Kim, Chang-Ki Min, the Korean Multiple Myeloma Working Party

ALLOGENEIC – ADULT

- I320** **Eltrombopag for Treating Thrombocytopenia after Allogeneic Stem Cell Transplantation**
Cai Yuan, Angela M. Boyd, Jan Nelson, Rushang D. Patel, Juan C. Varela, Steven C. Goldstein, Sarfraz Ahmad, Xiang Zhu, Shahram Mori
- I325** **The Concentration of Total Nucleated Cells in Harvested Bone Marrow for Transplantation Has Decreased over Time**
Nicole L. Prokopishyn, Brent R. Logan, Deidre M. Kiefer, Jennifer A. Sees, Pintip Chitphakdithai, Ibrahim A. Ahmed, Paolo N. Anderlini, Amer M. Beitinjaneh, Christopher Bredeson, Jan Cerny, Saurabh Chhabra, Andrew Daly, Miguel Angel Diaz, Noshah Farhadfar, Haydar A. Frangoul, Siddhartha Ganguly, Dennis A. Gastineau, Usama Gergis, Gregory A. Hale, Peiman Hematti, Rammurti T. Kamble, Kimberly A. Kasow, Hillard M. Lazarus, Jane L. Liesveld, Hemant S. Murthy, Maxim Norkin, Richard F. Olsson, Mona Papari, Bipin N. Savani, Jeffrey Szer, Edmund K. Waller, Baldeep Wirk, Jean A. Yared, Michael A. Pulsipher, Nirali N. Shah, Galen E. Switzer, Paul V. O'Donnell, Dennis L. Confer, Bronwen E. Shaw
- I331** **Hematopoietic Cell Transplantation for Paroxysmal Nocturnal Hemoglobinuria in the Age of Eculizumab**
Jason P. Cooper, Rafic J. Farah, Philip A. Stevenson, Ted A. Gooley, Rainer Storb, Bart L. Scott
- I340** **Impact of Donor Type and Melphalan Dose on Allogeneic Transplantation Outcomes for Patients with Lymphoma**
Neeraj Y. Saini, Rima M. Saliba, Gabriela Rondon, Farzaneh Maadani, Uday Popat, Chitra M. Hosing, Betul Oran, Qaiser Bashir, Amanda Olson, Yago Nieto, Amin Alousi, Partow Kebriaei, Samer Srour, Rohtesh Mehta, Paolo Anderlini, Elizabeth J. Shpall, Muzaffar H. Qazilbash, Issa F. Khouri, Luis Fayad, Hun Lee, Nathan Fowler, Simrit Parmar, Jason Westin, Fredrick Hagemester, Richard E. Champlin, Stefan O. Ciurea

I347 Allogeneic Transplantation after Myeloablative Rituximab/BEAM ± Bortezomib for Patients with Relapsed/Refractory Lymphoid Malignancies: 5-Year Follow-Up Results

Kamal Chamoun, Denái R. Milton, Celina Ledesma, Ken H. Young, Elias J. Jabbour, Gheath Alatrash, Paolo Anderlini, Qaiser Bashir, Stefan O. Ciurea, David Marin, Jeffrey J. Molldrem, Amanda L. Olson, Betul Oran, Uday R. Papat, Gabriela Rondon, Richard E. Champlin, Alison M. Gulbis, Issa F. Khouri

PEDIATRIC

I355 Low Exposure Busulfan Conditioning to Achieve Sufficient Multilineage Chimerism in Patients with Severe Combined Immunodeficiency

Christopher C. Dvorak, Janel Long-Boyle, Jasmeen Dara, Alexis Melton, Kristin A. Shimano, James N. Huang, Jennifer M. Puck, Morna J. Dorsey, Janelle Facchino, Catherine K. Chang, Morton J. Cowan

I363 Haploidentical Hematopoietic Stem Cell Transplantation with Post-Transplant Cyclophosphamide for Primary Immunodeficiencies and Inherited Disorders in Children

Bénédicte Neven, Jean-Sébastien Diana, Martin Castelle, Alessandra Magnani, Jérémie Rosain, Fabien Touzot, Baptiste Moreira, Marie-Louise Fremont, Coralie Briand, Matthieu Bendavid, Romain Levy, Guillaume Morelle, Marc Vincent, Elsa Magrin, Philippe Bourget, Lucienne Chatenoud, Capucine Picard, Alain Fischer, Despina Moshous, Stéphane Blanche

I374 Screening for Family Psychosocial Risk in Pediatric Hematopoietic Stem Cell Transplantation with the Psychosocial Assessment Tool

Ahna L.H. Pai, Avi Madan Swain, Fang Fang Chen, Wei-Ting Hwang, Gabriela Vega, Olivia Carlson, Francisco Argueta Ortiz, Kimberly Canter, Naomi Joffe, E. Anders Kolb, Stella M. Davies, Joseph H. Chewing, Janet Deatrack, Anne E. Kazak

I382 Comparing a Neutropenic Diet to a Food Safety-Based Diet in Pediatric Patients Undergoing Hematopoietic Stem Cell Transplantation

Cynthia Taggart, Nicole Neumann, Priscila Badia Alonso, Adam Lane, Abigail Pate, Audrey Stegman, Ava Stendahl, Stella M. Davies, Christopher E. Dandoy, Michael Grimley

CORD BLOOD

I387 Influence of Donor and Recipient Gender on Telomere Maintenance after Umbilical Cord Blood Cell Transplantation: A Study by the Gruppo Italiano Trapianto Di Midollo Osseo

Enrico Derenzini, Alessandra Rizzo, Marco Ruella, Tiziana Spatola, Giuseppe Milone, Pietro Pioltelli, Anna Paola Iori, Stella Santarone, Alberto Bosi, Alessandro Rambaldi, Andrea P. Bacigalupo, William Arcese, Corrado Tarella

HAPLOIDENTICAL

I395 Donor-Specific Anti-HLA Antibodies in Haploidentical Stem Cell Transplantation with Post-Transplantation Cyclophosphamide: Risk of Graft Failure, Poor Graft Function, and Impact on Outcomes

Stefania Bramanti, Valeria Calafiore, Elena Longhi, Jacopo Mariotti, Loretta Crespiatico, Barbara Sarina, Chiara De Philippis, Angela Nocco, Armando Santoro, Luca Castagna

I407 Thiotepa, Busulfan, and Fludarabine Conditioning Regimen in T Cell-Replete HLA-Haploidentical Hematopoietic Stem Cell Transplantation

Rémy Duléry, Juliana Bastos, Annalisa Paviglianiti, Florent Malard, Eolia Brissot, Giorgia Battipaglia, Clémence Médiavilla, Federica Giannotti, Anne Banet, Zoé Van de Wyngaert, Tounes Ledraa, Ramdane Belhocine, Simona Sestili, Rosa Adaeva, Simona Lapusan, Françoise Isnard, Ollivier Legrand, Anne Vekhoff, Marie-Thérèse Rubio, Annalisa Ruggeri, Mohamad Mohty

SUPPORTIVE CARE

I416 A Conceptual Framework and Key Research Questions in Educational Needs of Blood and Marrow Transplantation Patients, Caregivers, and Families

Helene M. Schoemans, Laura Finn, Jackie Foster, Alva Roche-Green, Margaret Bevans, Susan Kullberg, Everett Lee, Cindy Sargeant, Barry A. Schatz, Kristin Scheeler, Bronwen E. Shaw, Evan Shereck, Elizabeth A. Murphy, Linda J. Burns, Kim Schmit-Pokorny

I424 Association of Antiepileptic Medications with Outcomes after Allogeneic Hematopoietic Cell Transplantation with Busulfan/Cyclophosphamide Conditioning

Jeannine S. McCune, Tao Wang, Khalid Bo-Subait, Mahmoud Aljurf, Amer Beitinjaneh, Joseph Bubalo, Jean-Yves Cahn, Jan Cerny, Saurabh Chhabra, Aaron Cumpston, L. Lee Dupuis, Hillard M. Lazarus, David I. Marks, Richard T. Maziarz, Maxim Norkin, Tim Prestidge, Shin Mineishi, Maxwell M. Krem, Marcelo Pasquini, Paul J. Martin

I432 Reduced Plasma Amino Acid Levels During Allogeneic Hematopoietic Stem Cell Transplantation Are Associated with Systemic Inflammation and Treatment-Related Complications

Sarah Weischendorff, Katrine Kielsen, Maria Nederby, Lotte Schmidt, Douglas Burrin, Carsten Heilmann, Marianne Ifversen, Henrik Sengeløv, Christian Mølgaard, Klaus Müller

ANALYSIS

- I441** **Risk Factors and Predictive Scoring System For Post-Transplant Lymphoproliferative Disorder after Hematopoietic Stem Cell Transplantation**
Ayumi Fujimoto, Nobuhiro Hiramoto, Satoshi Yamasaki, Yoshihiro Inamoto, Naoyuki Uchida, Tetsuo Maeda, Takehiko Mori, Yoshinobu Kanda, Tadakazu Kondo, Souichi Shiratori, Shigesaburo Miyakoshi, Ken Ishiyama, Kazuhiro Ikegame, Yoshiko Matsuhashi, Junji Tanaka, Tatsuo Ichinohe, Yoshiko Atsuta, Masao Ogata, Ritsuro Suzuki
- I450** **Changes in Immunosuppressive Treatment of Chronic Graft-versus-Host Disease: Comparison of 2 Surveys within Allogeneic Hematopoietic Stem Cell Transplant Centers in Germany, Austria, and Switzerland**
Daniel Wolff, Inken Hilgendorf, Eva Wagner-Drouet, Zuzana Jedlickova, Francis Ayuk, Robert Zeiser, Kerstin Schäfer-Eckart, Armin Gerbitz, Michael Stadler, Stefan Klein, Jan-Moritz Middeke, Anita Lawitschka, Julia Winkler, Jörg Halter, Ernst Holler, Guido Kobbe, Matthias Stelljes, Markus Ditschkowski, Hildegard Greinix
- I456** **Comparison of Graft Acquisition and Early Direct Charges of Haploidentical Related Donor Transplantation versus Umbilical Cord Blood Transplantation**
Abraham S. Kanate, Aniko Szabo, Renju V. Raj, Kathryn Bower, Rachel Grulke, Nilay Shah, Kelly G. Ross, Aaron Cumpston, Michael Craig, Marcelo C. Pasquini, Nirav Shah, Parameswaran Hari, Mehdi Hamadani, Saurabh Chhabra
- I465** **Influence of Donor Type (Sibling versus Matched Unrelated Donor versus Haploidentical Donor) on Outcomes after Clofarabine-Based Reduced-Intensity Conditioning Allograft for Myeloid Malignancies**
Louise Bouard, Thierry Guillaume, Pierre Peterlin, Alice Garnier, Amandine Le Bourgeois, Alix Duquenne, Beatrice Mahe, Viviane Dubruille, Nicolas Blin, Cyrille Touzeau, Thomas Gastinne, Yannick Le Bris, Anne Lok, Antoine Bonnet, Steven Le Gouill, Philippe Moreau, Marie C Bene, Patrice Chevallier

ASTCT NOTES

- I472** **ASTCT Notes**