Stanford



Michael Amylon

Professor of Pediatrics (Hematology/Oncology) at the Lucile Salter Packard Children's Hospital, Emeritus

Pediatrics - Stem Cell Transplantation

Curriculum Vitae available Online

Bio

ACADEMIC APPOINTMENTS

- Professor Emeritus, Pediatrics - Stem Cell Transplantation

COMMUNITY AND INTERNATIONAL WORK

- Sibling Partnership for Advocacy, Research and Care in Childhood Cancer, Delaware
- Camp Okizu, Novato, CA
- Camp Kaleidoscope, Stanford, CA

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Bone marrow transplantation (BMT) is a treatment modality which is being broadly applied to a growing number of disorders. Increasing success with BMT is offering improved survival to pediatric and adult patients with acute leukemia, chronic leukemia, lymphomas, and a variety of solid tumors as well as severe aplastic anemia. In the pediatric population, a variety of congenital disorders such as immunodeficiency syndromes, bone marrow failure states, hemoglobinopathies and inborn errors of metabolism can also be successfully treated with BMT. Identification of appropriate marrow donors (within or outside of the family) and the increasing use of autologous stem cells with or without purging have made this treatment approach available to more and more patients. Future studies will concentrate on control and prevention of graft-versus-host disease, ablation of malignant cells, and gene-transfer utilizing marrow stem cells as the vector.

T-cell Acute Lymphoblastic Leukemia and advanced stage Lymphoblastic Lymphoma are rare malignancies which affect pre-teen and teen-aged children with a male preponderance. These entities are closely related biologically, and probably represent different ends of a spectrum of T-cell malignancies. Treatment approaches taking advantage of the biological similarities of these entities have been successful in improving survival for affected children. Further studies of innovative approaches (immunotoxins, monoclonal antibody targeting, tumor antigen vaccination) as well as randomized clinical trials defining better chemotherapeutic regimens are ongoing. All patients entered in these protocols for treatment also participate in biologic studies utilizing molecular markers of minimal residual disease and classification studies at diagnosis and relapse including complete immunophenotyping and cytogenetics as well as classical morphology and histochemistry.

Publications

PUBLICATIONS

- **The Influence of a Peer Support Camp on Fostering Resilience, Posttraumatic Growth, and Quality of Life in Siblings of Children with Cancer** *JOURNAL OF PARK AND RECREATION ADMINISTRATION*
  Gregory, D., Van Puymbroeck, M., Crowe, B., Garst, B., Amylon, M.
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- **The Case for Specialty Summer Camp: A Palliative Care Perspective.** *Pediatrics*
  McEvoy, M. T., Cowfer, B. A., Knutson, L., Amylon, M. D.
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- **Validation of a measure of children's perceptions of their oncology camp experience: a national study** *PSYCHO-ONCOLOGY*
  Wu, Y. P., Hung, M., Franklin, J. D., Samhouri, M., Simons, L. E., Amylon, M. D.
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- **A multisite evaluation of summer camps for children with cancer and their siblings** *JOURNAL OF PSYCHOSOCIAL ONCOLOGY*
  Wu, Y. P., McPhail, J., Mooney, R., Martiniuk, A., Amylon, M. D.
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- **The Relationship Between Attitudes Toward Illness and Quality of Life for Children with Cancer and Healthy Siblings** *JOURNAL OF CHILD AND FAMILY STUDIES*
  Canter, K. S., Wu, Y. P., Stough, C., Parikshak, S., Roberts, M. C., Amylon, M. D.
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- **Camp Programs for Children With Cancer and Their Families: Review of Research Progress Over the Past Decade** *PEDIATRIC BLOOD & CANCER*
  Martiniuk, A., Silva, M., Amylon, M., Barr, R.
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- **Camper Learning and Friendship at Pediatric Oncology Camps in North America** *JOURNAL OF PSYCHOSOCIAL ONCOLOGY*
  Martiniuk, A. L. C., Amylon, M. D., Briery, B. G., Shea-Perry, M., Kelsey, K. P., Lam, G. W., Koerver, S.
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- **SAFETY OF HEMATOPOIETIC STEM CELL TRANSPLANTATION IN CHILDREN LESS THAN THREE YEARS OF AGE** *PEDIATRIC HEMATOLOGY AND ONCOLOGY*
  Dvorak, C. C., Wright, N. B., Wong, W. B., Kristovich, K. M., Matthews, E. W., Weinberg, K. I., Amylon, M. D., Agarwal, R.
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- **Projective drawings as measures of psychosocial functioning in siblings of pediatric cancer patients from the Camp Okizu study** *JOURNAL OF PEDIATRIC ONCOLOGY NURSING*
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- **Hematopoietic stem cell transplantation after first marrow relapse of non-T, non-B acute lymphoblastic leukemia - A Pediatric Oncology Group pilot feasibility study** *JOURNAL OF PEDIATRIC HEMATOLOGY ONCOLOGY*
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- **Siblings of pediatric cancer patients: The quantitative and qualitative nature of quality of life** *JOURNAL OF PSYCHOSOCIAL ONCOLOGY*
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- **High-dose therapy and autologous hematopoietic stem-cell transplantation for recurrent or refractory pediatric Hodgkin's disease: Results and prognostic indices** *45th Annual Meeting of the American-Society-for-Therapeutic-Radiology-and-Oncology (ASTRO)*
  Lieskovsky, Y. E., Donaldson, S. S., Torres, M. A., Wong, R. M., Amylon, M. D., Link, M. P., Agarwal, R.
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- **Camp Okizu: Preliminary investigation of a psychological intervention for siblings of pediatric cancer patients** *CHILDRENS HEALTH CARE*

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- **Results of minimally toxic nonmyeloablative transplantation in patients with sickle cell anemia and beta-thalassemia** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
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- **High-dose therapy and autologous hematopoietic cell transplantation in children with primary refractory and relapsed Hodgkin's disease: Atopy predicts idiopathic diffuse lung injury syndromes** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
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  2001; 7 (1): 49-57

- **Equivalence of 2 effective graft-versus-host disease prophylaxis regimens: Results of a prospective double-blind randomized trial** *BIOLOGY OF BLOOD AND MARROW TRANSPLANTATION*
  Chao, N. J., Snyder, D. S., Jain, M., Wong, R. M., Niland, J. C., Negrin, R. S., Long, G. D., Hu, W. W., Stockerl-Goldstein, K. E., JOHNSTON, L. J., Amylon, M. D., Tierney, D. K., O'Donnell, et al
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- **Long-term follow-up of 23 patients with Philadelphia chromosome-positive acute lymphoblastic leukemia treated with allogeneic bone marrow transplant in first complete remission** *LEUKEMIA*
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- **Intensive high-dose asparaginase consolidation improves survival for pediatric patients with T cell acute lymphoblastic leukemia and advanced stage lymphoblastic lymphoma: a Pediatric Oncology Group study** *LEUKEMIA*
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  Long, G. D., Amylon, M. D., Stockerl-Goldstein, K. E., Negrin, R. S., Chao, N. J., Hu, W. W., Nademanee, A. P., Snyder, D. S., Hoppe, R. T., Vora, N., Wong, R., Niland, J., Reichardt, et al
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  Amaro, C. M., Silver, S., Patel, P., Collins, M. K., Canter, K. S., Fooks-Parker, S., Amylon, M., Hudson, S. V., Schleider, J. L., Alderfer, M. A., Devine, K. A.
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  Alderfer, M., Canter, K., Hildenbran, A., Rico, K., Pinto, A., Kazak, A., Amylon, M.
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- **Engaging Community Members in Developing a Digital Single-Session Intervention for Adolescent Siblings of Children With Cancer**
  Amaro, C., Horvath, L., Sirota, J., Collins, M., Silver, S., Patel, P., Senger, A., Canter, K., Fooks-Parker, S., Amylon, M., Hudson, S., Alderfer, M., Devine, et al
  WILEY.2024

- **The Influence of a Peer Support Camp on Mitigating Emotional Distress in Siblings of Children With Cancer.** *Journal of pediatric oncology nursing : official journal of the Association of Pediatric Oncology Nurses*
  Gregory, D., Van Puymbroeck, M., Crowe, B., Garst, B., Amylon, M.
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- **Psychosocial Changes Associated With Participation in Art Therapy Interventions for Siblings of Pediatric Hematopoietic Stem Cell Transplant Patients** *ART THERAPY*
  Wallace, J., Packman, W., Huffman, L., Horn, B., Cowan, M., Amylon, M., Kahn, C., Cordova, M., Moses, J.
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- **High Risk Allogeneic Hematopoietic Cell Transplant (HCT) Patients with Any Level of Cytomegalovirus (CMV) Viremia Should Be Treated with Antiviral Therapy to Prevent Serious CMV Disease** *BMT Tandem Meetings*
  Winestone, L., Agarwal, R., Weinberg, K. L., Porteus, M., Willerts, J. R., Amylon, M., Kharbanda, S.
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  Garfin, P. M., Luna-Fineman, S., Amylon, M., Kharbanda, S., Weinberg, K. I., Willert, J. R., Porteus, M., Link, M., Agarwal, R.
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- **Antimetabolite-based therapy in childhood T-cell acute lymphoblastic leukemia: A report of POG study 9296** *PEDIATRIC BLOOD & CANCER*
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- **Minimal toxicity using fludarabine and low dose total body irradiation as conditioning for transplantation of HLA matched hematopoietic cells** *Annual Meeting of the Pediatric-Academic-Societies/Society-for-Pediatric-Research*
  Woolfrey, A. E., Pulsipher, M., Walters, M. C., Amylon, M., Sanders, J. E., STORB, R.
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  Abdel-Mageed, A., Graham-Pole, J., del Rosario, M. L., Longmate, J., Ochoa, S., Amylon, M., Elfenbein, G. J., Janiec, J., Jansen, J., Lazarus, H. M.
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