

Ethical Issues in Bone Marrow Transplantation: A Nursing Perspective

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Clinical research has paved the road for many advances in technology for the treatment of cancer. These technologies have given rise to questions about the value of treatments that simply extend life, often at considerable cost to the individual's quality of life. One such technology is bone marrow transplantation (BMT). Since the first reported successful cases in 1968 and 1969 (1), this treatment modality is now being offered to thousands of patients with advanced malignant disease. This article explores the ethical issues that are emerging with the use of autologous bone marrow transplantation (ABMT) — donation of one's own marrow — in the treatment of advanced cancers of the breast and ovary. ABMT has been considered for these types of cancers because of the poor long-term survival associated with standard therapy (2). Recent advances in the availability of colony stimulating factors to assist with marrow recovery post-chemotherapy has resulted in lower treatment-related mortality rates for this patient population (3).

A bone marrow transplant (BMT) program has been in existence at the Royal Victoria Hospital, a 600-bed McGill University teaching hospital, since 1982. In an effort to identify key ethical issues facing nurses caring for this patient population, focus group interviews were conducted with nurses on our 20-bed inpatient hematology/oncology unit and our ambulatory care setting known as the oncology day care (ODC). Approximately 20 patients are transplanted each year. The nursing care involved in the actual process of transplantation requires a three to four week hospitalization as well as numerous outpatient visits to ODC for blood count and symptom control monitoring. Patients entering the ABMT program have been previously hospitalized frequently for conventional chemotherapy followed in many instances by periods of febrile neutropenia. The demands placed on the patients and their families are high prior, during, and following the transplant.

It was within this context that focus group discussions of ethical concerns from the nursing staff occurred. The issues of informed consent, quality of life, allocation of resources, and concept of hope were highlighted and are explored in more detail as follows.

INFORMED CONSENT

Aggressive treatment protocols which include ABMT often involve serious potential complications such as infection, hemorrhage, pain, and peripheral neuropathies. Consequently, the patient and family need to have accurate information about these potentially life-threatening side effects (4). Simply, informed consent implies that the patient's permission to proceed with treatment is based on a full explanation of the available options and the risks and benefits of those options by the physician. This process should involve shared decision making between the patient and his/her physician, with the physician as information provider and the patient as decision maker (5). Carney (6) explored the process of informed consent from the perspective of both physicians and nurses caring for BMT patients. Results revealed that nurses were more concerned that patients know about the secondary effects and complications arising from transplantation, while physicians emphasized the options of treatment and possible outcomes with or without the transplant. This study also concluded that the physicians' perception of informed consent most closely matches the patients in that most patients chose the option of transplantation based on outcome, namely life or death. Downs (4) proposed that the differences in nurses' and physicians' perceptions of informed consent are in fact based on their different roles. Nurses are constantly preoccupied with management of complications during transplant while physicians are always involved with prescribing, monitoring, and evaluating the outcome of the treatment. She further states that

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Hematopoietic Stem Cell Transplantation Anthony D. Ho, Rainer Haas, Richard E. Champlin, 2000-07-25 This book integrates recent advances in molecular and cell biology of hematopoietic stem cells HSC with developments in clinical research in stem cell based therapy providing an up to date review of novel cytokines and cellular components animal models cell preparation selection and collection minimal residual disease and purging expansion *Bone Marrow Transplantation* Richard K. Burt, H. Joachim Deeg, Scott Thomas Lothian, George W. Santos, 1998-01-01 This handbook is a therapeutic manual designed as a quick practical guide and reference for house officers fellows pharmacists and nurses on the bone marrow transplant unit Indications complications drug doses and approaches to clinical management problems are emphasized Diseases requiring bone marrow transplants are reviewed along with patients **Blood and Marrow Stem Cell Transplantation** Susan Ezzone, Kim Schmit-Pokorny, 2007 Blood and Marrow Stem Cell Transplantation Third Edition serves as a convenient reference for oncology nurses caring for blood and marrow stem cell transplantation recipients The Third Edition has been updated and revised to reflect the most current research related to the past present and future of blood and marrow stem cell transplants This resource covers everything from preparing for transplantation surgery to recovery related issues and delayed outcomes Basic background information on transplantation procedures and processes are provided along with in depth coverage of pulmonary cardiac renal and hepatic neurologic and hematologic effects A chapter devoted to controversial ethical issues is also provided Blood and Marrow Stem Cell Transplantation Third Edition presents complete up to date coverage of the transplantation process from beginning to end *Medical-Psychiatric Practice* Alan Stoudemire, 1995-05 This volume is the third in a series of succinct analytical reviews of advances in the psychiatric care of medically ill patients Like the previous volumes Medical Psychiatric Practice Volume 3 is designed to continually update the busy clinician on research and practical developments in medical psychiatry Under the guidance of an eminent editorial advisory board this volume addresses several specific clinical problems that require an integrated medical psychiatric approach to their diagnosis and treatment It includes an in depth discussion of psychopharmacokinetics as well as an update on psychopharmacology in medically ill patients *Nursing in Haematological Oncology* Maggie Grundy, 2006-06-14 This title is directed primarily towards health care professionals outside of the United States Haematological oncology is a rapidly advancing and exciting field of medicine and this is the first British textbook addressing haematological oncology written specifically for nurses The second edition of this successful text has been fully revised and updated throughout in line with recent developments in clinical practice There are seven new chapters and expanded sections on bone marrow transplant the immune system and palliative care Comprehensive coverage of nursing issues in hematological malignancies providing everything a newcomer will need to know Addresses the role of chemotherapy radiotherapy and blood marrow transplant treatments in haematological oncology to enable effective management of patients Discusses pertinent daily issues for practicing nurses including oral care nausea and vomiting nutrition infection control social and psychological issues

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Instruments for Clinical Health-care Research Marilyn Frank-Stromborg, Sharon J. Olsen, 2004 Instruments for Clinical Health Care Research Third Edition will facilitate researching clinical concepts and variables of interest and will enhance the focus on linking clinical variable assessment with routine measurement of everyday clinical interventions

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including epidemiology and etiology the immune system and lymphoid malignancies and the cytogenetics of lymphoid malignancies *Literature Search* National Library of Medicine (U.S.),1984

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