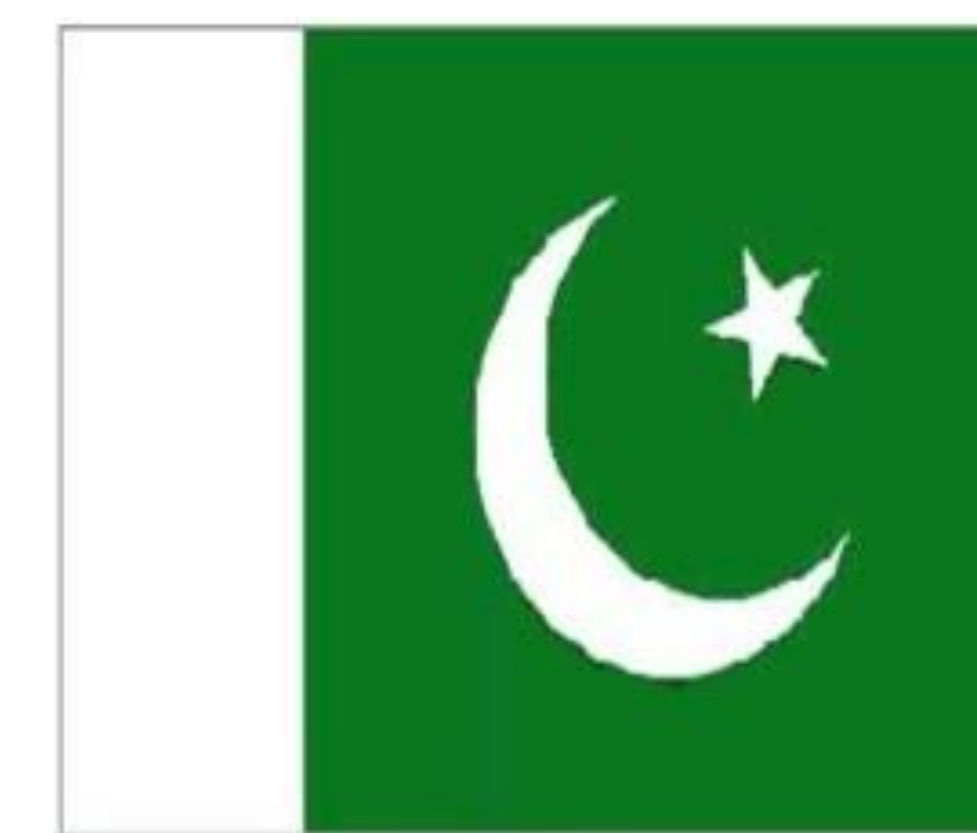




Knowledge, Perception and Opinion of Health Workers on Bone Marrow Transplantation in Public Sector Hospital



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INTRODUCTION

Bone marrow transplantation (BMT) cures Haematopoietic disorders, poorly Functioning Bone Marrow, Primary immunodeficiency syndromes and many Oncological diseases. It's a sophisticated and highly skilled treatment. The infusion of Haematopoietic stem cells generally follows a Conditioning regimen consists of drugs to create marrow space, suppression of recipient's immune system to prevent rejection by the host. It is a multidisciplinary procedure, which requires the services of many health care personnel such as medical doctors in various specialties, nurses, pharmacists, psychologists, technicians, dieticians, radiographers, social workers etc involved in the management of patients during the management. But unfortunately the poor understanding of the health care providers and administration and the limited resources of the country are the hurdles for establishment of BMT units in Public sector Hospitals.

This study was carried out to enhance the basic knowledge of Health care providers and determine their current level of Knowledge, preparedness and perception about BMT.

METHODS

This was a single center cross-sectional study among health care workers in Pediatric tertiary center, Children Hospital, Lahore, Pakistan. Ethical committee approval was taken and a questionnaire was administered to employees aged more than 18 years during one week duration. The questionnaire has 10 questions and each question scores 0-5. Score were not mentioned on questionnaire provided to Participants. We considered persons having ≥ 45 score well aware, 35-44 some aware, 25-34 poorly aware while < 25 were considered unaware. Each person's identity and marks were kept confidential.

RESULTS

A total of 100 participants including 40 doctors, 25 nurses, 8 pharmacists and pharmacy technicians, 10 laboratory Scientists and laboratory technicians and 17 other health care workers such as dietitians, social workers and Radiographers participated in the study. Our study shows 55% well aware, 23% some aware, 14% poorly aware and 8% were considered unaware about BMT. The highest level of awareness was among doctors. The mean knowledge score of all participants was 40 ± 2.06 .

CONCLUSION & RECOMENDATIONS

The Health care providers have limited knowledge of the Bone Marrow Transplantation. Most of the Personnel consider it a surgical procedure and to be done by the surgeons. Even few Doctors were unaware and had poor knowledge. This study elevated the basic information and knowledge of health care personnel on BMT that helped us in establishment of first ever Public sector Bone marrow Transplant Center in Pakistan. We recommended Continuous Medical Education in Pakistan for every health care provider about new innovations and Advancements in the health sector.

1	What is meant by Bone Marrow Transplant?
2	Who does the Bone Marrow Transplant?
3	Is BMT Surgical or Medical Management?
4	What are indications where BMT is indicated?
5	How much each routine BMT cost in PKR in Pakistan?
6	Is BMT available in Pakistan?
7	Is BMT possible to be done in Public sector Hospital?
8	What is basic need of BMT?
9	Should we open BMT center in our hospital?
10	How many centers should be in Pakistan?

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