

**KING FAISAL SPECIALIST HOSPITAL AND RESEARCH CENTRE
NURSING AFFAIRS**

**Scope of Service
Pediatric Stem Cell Transplant Unit (B3-2)**

PATIENT CARE UNIT/AREA

Unit Description:	Pediatric Stem Cell Transplant Unit (B3-2)
No. Of Beds:	18 (BMT = 10 beds, Immunology = 4 beds, Hema-/Oncology = 4 beds)
Nurse Patient Ratio:	1:2-3 days 1:2-3 nights
NHPPD:	9.4

Scope of Service

The Pediatric Stem Cell Transplant Unit is an acute care 18-bed nursing unit providing comprehensive 24 hour nursing care of infants to children less than 14 years of age. The most commonly treated problems include:

- Leukemia
- Lymphomas
- Anemias
- Immuno-deficiency Disorders
- Thalassemia

Frequent Procedures/Services/Functions

- Use of nursing process: assessment, planning, interventions, and evaluation
- Bone marrow aspiration & biopsy
- Lumbar Puncture
- Central line care
- Intravenous fluid and medication administration
- Blood product administration
- Hemodynamic monitoring
- Stem cell transplantation (allogeneic, autologous, and cord)
- Chemotherapy administration
- Pain management and palliative care
- Patient/Family Education
- Wound care management
- Skin integrity management

Hours of Operation

24 hours per day, 7 days a week

**KING FAISAL SPECIALIST HOSPITAL AND RESEARCH CENTRE
NURSING AFFAIRS**

**Scope of Service
Pediatric Stem Cell Transplant Unit (B3-2)**

CRITERIA FOR ADMISSION TO SERVICE

- Pediatric patients requiring stem cell transplant for malignant and non-malignant diagnosis.
- Pediatric patients who are donors (harvest) for their sibling.
- Pediatric patients requiring treatment for cancer or blood disorders.
- Pediatric patients requiring diagnosis of immunodeficiency syndromes.

Admission criteria

The patient must:

- be hemodynamically stable
- not require cardiac monitoring
- not be ventilated
- be less than 14 years of age

STAFFING PLAN

Number and Mix of Staff

Staffing is calculated using 9.4 NHPPD. Staffing for patients admitted to B3-2 are by SN-I's who provide total patient care. There is a charge nurse assigned for each shift who is responsible for making the patient assignment, completing a nursing office shift report, liaison with the Head Nurse and/or Nursing Supervisor. The Charge Nurse also has a patient assignment.

The criteria for making the patient assignment:

- Competency of the nursing staff
- Complexity of the patient's status/condition changes
- Relevant infection control and safety issues.

Method of Adjusting to Staffing Variances

The Head Nurse (or designee) and charge nurse assess staffing variances each shift. They work collaboratively with the nursing office to ensure that the unit is staffed appropriately for patient needs.

If the unit has an excess number of staff, after consideration of required patient acuity, the nursing office is notified and the additional staff is utilized in other areas.

Pediatric Stem Cell Transplant nurses generally float to the following units:

- B3-1, Pediatric Hematology/Oncology/Immunology
- A-2, Pediatric Surgical
- B-1, Pediatric Medical

**KING FAISAL SPECIALIST HOSPITAL AND RESEARCH CENTRE
NURSING AFFAIRS**

**Scope of Service
Pediatric Stem Cell Transplant Unit (B3-2)**

- King Fahad National Centre for Children's Cancer & Research (CCC)

QUALIFICATIONS OF STAFF

SN-I

Qualifications/Licenses/Certifications

- Current Registered Nurse License or registration from country of origin
- Current BLS
- Successful completion of general nursing orientation (GNO) and Pharmacology examination
- Successful completion of unit specific orientation
- Pediatric physical assessment certification
- Chemotherapy certification

Ward Clerk/Patient Care Assistant (PCA)

Qualifications

- High School Graduate
- Fluent bilingual in spoken and written Arabic/English

How are In-Services/Continuing Education Programs provided to maintain staff competency?

Staff education in-services are offered weekly, monthly or more throughout the year as needed to maximize staff learning opportunities. Continuing education is offered through Nursing Education & Research. Educational needs are identified through treatment protocols; performance improvement; regulatory agencies; new technology, equipment & products; and individual input & surveys. Additionally, local/national workshops, classes, and conferences pertinent to nursing specialty are posted for staff information.

Required Competencies

- Those outlined in the orientation to B3-II
- High volume/high risk competencies are assessed yearly.

METHOD OF COMMUNICATION WITH OTHER DEPARTMENTS

Internal and External Methods of Communication

Communication with other departments via telephone, fax, one-on-one meetings, committees, task forces; minutes, memos, and e-mail.

**KING FAISAL SPECIALIST HOSPITAL AND RESEARCH CENTRE
NURSING AFFAIRS**

**Scope of Service
Pediatric Stem Cell Transplant Unit (B3-2)**

Communication within the Department is via one-on-one meetings, staff meetings/minutes, memos, and communication book.

Describe Collaborative Relationships with Other Departments

The following meetings are held to facilitate collaboration:

- Weekly multi-disciplinary rounds every Sunday including social workers, pharmacist, dietitian, nursing, and physicians.
- Bi-monthly collaborative practice meeting with B3-1/Oncology Clinic/King Fahad National Centre for Children's Cancer and Research.
- Bi-monthly administrative meeting with King Fahad National Center for Children's Cancer and Research.

PLAN TO IMPROVE QUALITY OF SERVICE

- Review patient comments and follow-up as necessary.
- Review event notification forms and follow-up as necessary.
- Offer educational programs to increase staff's knowledge and skills.
- Staff participation in staff performance improvement teams.
- Expand patient teaching programs and materials.