# PEDIATRIC BLOOD AND MARROW TRANSPLANT PROGRAM

## DOCUMENT NUMBER
PBMT-GEN-004

## DOCUMENT TITLE
Pediatric Blood and Marrow Transplant Program Advanced Practice Providers

## DOCUMENT INFORMATION

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PBMT-GEN-004

PEDIATRIC BLOOD AND MARROW TRANSPLANT PROGRAM
ADVANCED PRACTICE PROVIDERS

1 PURPOSE

1.1 To ensure the Advanced Practice Provider (APP) scope, responsibilities and work performed are fully defined and training and competency are aligned as defined within.

2 INTRODUCTION

2.1 Clinical programs performing pediatric and adult blood and marrow transplantation shall have a transplant team trained in the management of the pediatric and adult patient.

3 SCOPE AND RESPONSIBILITIES

3.1 Occupational Summary

3.1.1 In concert with a full team of pediatric blood and marrow transplant professionals, the Advanced Practice Provider (APP), which may be either a nurse practitioner (NP) or physician assistant (PA), will provide medical service to patients from new-born to 21 years old on the Pediatric Blood and Marrow Transplant (PBMT) service, (if the APP is a Family Nurse Practitioner (FNP), he/she is certified to care for all ages).

3.1.2 The APP shall be licensed to practice in the jurisdiction of the clinical program and be limited to the scope and practice within the parameters of the training and licenses.

3.1.3 The APP will collect and document data, conduct diagnostic and therapeutic procedures, order and schedule laboratory and diagnostic studies, surgical procedures and professional consultations, educate nurses, APP students, fellows, and new physicians.

3.1.4 The APP will communicate with, educate, and supervise the care of patients and their caretakers given by Duke University Medical Center (DUMC) Registered Nurse (RNs), home health RNs, and referring physicians, and provide direct patient-care services.

4 DEFINITIONS/ACRONYMS

4.1 ABMT Adult Blood and Marrow Transplant
4.2 APBMT Adult and Pediatric Blood and Marrow Transplant
4.3 APP Advance Practice Provider
4.4 CHC Children’s Health Center
4.5 DUMC Duke University Medical Center
4.6  HUC  Health Unit Coordinator
4.7  FNP  Family Nurse Practitioner
4.8  IV   Intravenous
4.9  NP   Nurse Practitioner
4.10 PA  Physician Assistant
4.11 PBMT  Pediatric Blood and Marrow Transplant
4.12 RN  Registered Nurse
4.13 VDH Valvano Day Hospital

5  MATERIALS
5.1  N/A

6  EQUIPMENT
6.1  N/A

7  SAFETY
7.1  N/A

8  PROCEDURE
8.1  The Advanced Practice Provider (APP) will:
    8.1.1 Work in the outpatient clinic, inpatient unit, office, and in the operating room.
    8.1.2 Obtain patient histories, conduct physical examinations, and record the data in the patient’s record; write progress notes and narrative discharge summaries; prepare patient workups and summaries noting pertinent positive and negative findings; order and schedule laboratory studies and diagnostic procedures; explain the necessity, preparation, nature, and anticipated effects of scheduled diagnostic and therapeutic procedures to the patient and parents.
    8.1.3 Order specific care given by selected RNs in the PBMT unit, clinic and home health settings in collaboration with the PBMT physician/Attending staff.
        8.1.3.1 The Attending physician will have oversight of the APP
        8.1.3.2 The Attending Physician will be available either on site or by pager.
    8.1.4 Perform diagnostic and therapeutic procedures that enable the physician in partnership with the APP to diagnose medical and surgical problems and to prescribe necessary treatment and services of quality patient care; record the normal and abnormal data for review by the physician.

8.2  The Advanced Practice Provider (APP) will perform the following Diagnostic and therapeutic procedures:
8.2.1 Venipuncture for blood sampling and Intravenous (IV) Access
8.2.2 Blood sampling via central venous lines, including: Broviacs, Hickmans, Infuse-a-ports, Port-a-Caths, etc.
8.2.3 Ordering when credentialed intravenous therapy, including:
  8.2.3.1 Fluids, blood components (such as packed red blood cells, platelets immunoglobulin)
  8.2.3.2 Administration of cancer therapy via other routes, including: Intrathecal chemotherapy when credentialed by PBMT team.
8.2.4 Ordering of immunizations including: DPT, OPV, MMR, Pneumococcal vaccine, H. flu, Hep B vaccine, H1N1 Vaccines etc.
8.2.5 Incision of drainage of simple abscesses
8.2.6 Intra-dermal tests
8.2.7 External hemorrhage control
8.2.8 Application of dressings and bandages
8.2.9 Simple debridement procedures
8.2.10 Removal of superficial foreign bodies
8.2.11 Harvesting (FOLLOWING IN HOUSE CERTIFICATION), process, transporting bone marrow under the supervision of the attending physician
8.2.12 Lumbar punctures and bone marrow aspirates and biopsies (FOLLOWING IN HOUSE CERTIFICATION)

8.3 The Advance Practice Provider (APP) will:
  8.3.1 Review plans in advance of patient’s scheduled clinic visit in order that appropriate studies are ordered at time patient registers in the clinic.
  8.3.2 Review with, educate and supervise the clinic and home health RN’s and other health professional regarding the plan for each individual PBMT patient every morning upon arriving to clinic.
  8.3.3 Plans for weekend, monthly and annual follow-up visits.

8.4 The Advance Practice Provider (APP), should the need arise, will:
  8.4.1 Participate in basic science and clinical research projects conducted by the supervision physicians;
  8.4.2 Prepare statistical reports and analysis setting forth progress, adverse trends, and appropriate recommendations or conclusions.

8.5 The Advance Practice Provider (APP) will participate in:
  8.5.1 Parent, child, or community educational projects.
  8.5.2 Parent or child support groups, schools, and community service organizations may require the APP’s bone marrow medical expertise as it applies to their special needs or interests.
8.5.3 Teaching and supervising students, residents, nursing, APP students, fellows and new attending physicians in techniques and procedures, which are unique to this specific clinical setting.

8.5.4 Assisting the attending physician in precepting these individuals, providing guidance in the clinical assessment and disposition of patients.

8.6 The Advanced Practice Provider (APP) will:

8.6.1 Communicate with nursing staff to coordinate work assignments based on patient acuity for assigned nursing personnel to best meet the needs of PBMT patients.

8.6.2 Review the work of subordinate employees; and/or train new personnel, when asked.

8.6.3 Maintain an open line of communication for the purpose of education and supervision of specific PBMT patient care with the patient’s hometown physician and school personnel.

8.6.4 Communicate, educate, order, and supervise the care given to PBMT patients by home health agencies.

8.6.5 Communicate and educate insurance company representatives on the status of the PBMT patient.

8.6.6 Communicate with pharmacists both inpatient and outpatient and order medications for PBMT patients.

8.6.7 Communicate with, and aid the Health Unit Coordinator’s (HUC) in ordering specialized labs, procedures etc. for the PBMT patient.

8.6.8 Perform other related duties incidental to the work described herein.

8.7 The precepting physician will:

8.7.1 Either be on site in the clinic, in the Operating Room (OR) or on the inpatient ward, or may be available by Duke Pager.

8.8 Education/Training

8.8.1 Participation in a minimum of 10 hours of education hours related to cellular therapy annually.

8.8.1.1 Continuing education shall include, but is not limited to, activities related to the field of transplantation.

8.8.2 APPs will maintain training and competency in the transplant-related skills that they routinely practice.

9 RELATED DOCUMENTS/FORMS

9.1 N/A

10 REFERENCES

10.1 N/A
### 11 REVISION HISTORY

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<td>S. McCollum</td>
<td>- Section 8.1.3: Removed reference to supervision of RN staff.</td>
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<td>- Section 8.1.3: Added the attending physician will have oversight of the APP as per FACT standards.</td>
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<td>- Section 8.5: Removed reference to supervision of RNs as APP do no supervise RNs as part of their scope of practice.</td>
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## Signature Manifest

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### PBMT-GEN-004 Pediatric Blood and Marrow Transplant Program Advanced Practice Providers

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