



## PEDIATRIC BLOOD AND MARROW TRANSPLANT PROGRAM

**DOCUMENT NUMBER:** PBMT-GEN-004

**DOCUMENT TITLE:**

Pediatric Blood and Marrow Transplant Program Advanced Practice Providers

**DOCUMENT NOTES:**

### Document Information

**Revision:** 09

**Vault:** PBMT-General-rel

**Status:** Release

**Document Type:** PBMT

### Date Information

**Creation Date:** 27 Jan 2025

**Release Date:** 12 Feb 2025

**Effective Date:** 12 Feb 2025

**Expiration Date:**

### Control Information

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**Owner:** MOORE171

**Previous Number:** PBMT-GEN-004 Rev 08

**Change Number:** PBMT-CCR-371

# **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 this document.

#### **2 INTRODUCTION**

- 2.1 Clinical programs performing pediatric and adult HSCT transplants and involved in cellular therapy (CT) 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 on the Pediatric Transplant and Cellular therapy (PTCT) service. 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.
  - 3.1.2 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.
  - 3.1.3 The APP will communicate with, educate, and supervise the care of patients provided by the Registered Nurses (RNs), home health RNs, and referring physicians. They will also 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 CT Cellular Therapy
- 4.6 HSCT Hematopoietic Stem Cell Transplant
- 4.7 HUC Health Unit Coordinator
- 4.8 FNP Family Nurse Practitioner

- 4.9 IV Intravenous
- 4.10 NP Nurse Practitioner
- 4.11 PA Physician Assistant
- 4.12 PBMT Pediatric Blood and Marrow Transplant
- 4.13 PNP Pediatric Nurse Practitioner
- 4.14 PTCT Pediatric Transplant and Cellular Therapy
- 4.15 RN Registered Nurse
- 4.16 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 Perform work in the PTCT settings: including but not limited to the outpatient clinic, inpatient unit, office, procedure unit, and in the operating room.
  - 8.1.2 Perform or coordinate the following activities when required for clinical care of the patient:
    - 8.1.2.1 Obtain patient histories.
    - 8.1.2.2 Conduct physical examinations, and record the data in the patient's record.
    - 8.1.2.3 Document progress notes and narrative discharge summaries.
    - 8.1.2.4 Prepare patient workups and summaries noting pertinent positive and negative findings.
    - 8.1.2.5 Order, schedule, and interpret laboratory studies and diagnostic procedures.
    - 8.1.2.6 Explain the necessity, preparation, nature, and anticipated effects of scheduled diagnostic and therapeutic procedures to the patient and parents. Obtain informed consent prior to planned procedures as necessary.
    - 8.1.2.7 Diagnose, treat and manage acute and chronic illnesses within the scope of practice.

- 8.1.2.8 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.
- 8.1.2.9 Document data for review by the physician.
- 8.1.3 Order specific care given by selected RNs in the clinical inpatient unit, clinic, day hospital, and home health settings in collaboration with the 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 telephone.
- 8.2 The Advanced Practice Provider (APP) will perform, in compliance with their credentialing, the following diagnostic and therapeutic procedures:
  - 8.2.1 Venipuncture for blood sampling and Intravenous (IV) Access
  - 8.2.2 Repair of indwelling central line catheters, when repair is an option
  - 8.2.3 Blood sampling via central venous lines, including: Broviacs, Hickmans, Infuse-a-ports, Port-a-Caths, etc.
  - 8.2.4 Ordering intravenous therapy, including:
    - 8.2.4.1 Fluids and electrolyte replacement
    - 8.2.4.2 Blood components (such as packed red blood cells, platelets, and immunoglobulin)
    - 8.2.4.3 Administration of cancer therapy via other routes, including intrathecal chemotherapy
    - 8.2.4.4 Medications such as antimicrobials, antihypertensives, emergency hypersensitivity medications, and antiemetics
  - 8.2.5 Ordering of immunizations
  - 8.2.6 Incision of drainage of simple abscesses
  - 8.2.7 Intra-dermal tests
  - 8.2.8 External hemorrhage control
  - 8.2.9 Application of dressings and bandages
  - 8.2.10 Simple debridement procedures
  - 8.2.11 Removal of superficial foreign bodies
  - 8.2.12 Any of the following after completing IN HOUSE CERTIFICATION:
    - 8.2.12.1 Harvesting, processing, transporting bone marrow under the supervision of the attending physician
    - 8.2.12.2 Lumbar punctures, bone marrow aspirates and biopsies
- 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 patient every morning upon arriving to clinic.
- 8.3.3 Plan for weekend, monthly and annual follow-up visits.
- 8.4 The Advance Practice Provider (APP) may:
  - 8.4.1 Participate in basic science and clinical research projects conducted by the supervising physician.
  - 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) may be called to 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 transplant and cell therapy 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 the patient.
  - 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 patient care with the patient's hometown physician and school personnel.
  - 8.6.4 Communicate, educate, order, and supervise the care given to patients by home health agencies.
  - 8.6.5 Communicate and educate insurance company representatives on the status of the patient.
  - 8.6.6 Communicate with pharmacists both inpatient and outpatient and order medications for patients.
  - 8.6.7 Perform other related duties incidental to the work described herein.

8.7 The supervising physician will:

8.7.1 Either be on site in the clinic, in the Operating Room (OR), or on the inpatient ward. If he/she is unable to be present onsite, he/she will be available by pager or mobile phone.

8.8 Education/Training

8.8.1 Participation in a minimum of 10 hours of education hours related to HSCT and 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.

8.8.2.1 APPs will be assessed for competency on an annual basis, at a minimum utilizing current FACT training and competency assessment tools.

8.8.2.2 APBMT-COMM-023 HSCT Standards Training and Competency Checklist

8.8.2.3 APBMT-COMM-047 Immune Effector Cells Standards Training and Competency Checklist

## 9 RELATED DOCUMENTS/FORMS

9.1 APBMT-COMM-023 HSCT Standards Training and Competency Checklist

9.2 APBMT-COMM-047 Immune Effector Cells Standards Training and Competency Checklist

## 10 REFERENCES

10.1 N/A

## 11 REVISION HISTORY

Revision No.	Author	Description of Change(s)
09	S. McCollum	<p>Section 3.1 updated to remove language regarding age certification as exceptions can be granted on a case-by-case basis.</p> <p>Competency and Training Checklists updated throughout to current documents:  APBMT-COMM-023 HSCT Standards Training and Competency Checklist  APBMT-COMM-047 Immune Effector Cells Standards Training and Competency Checklist</p>

**Signature Manifest****Document Number:** PBMT-GEN-004**Revision:** 09**Title:** Pediatric Blood and Marrow Transplant Program Advanced Practice Providers**Effective Date:** 12 Feb 2025

All dates and times are in Eastern Time.

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**Document Release**

Name/Signature	Title	Date	Meaning/Reason
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