

Proposal for Donation of Medical Equipment to the Philippine General Hospital (PGH) Department of Pediatrics

Executive Summary

The **Philippine General Hospital (PGH) Department of Pediatrics** is the largest and most comprehensive pediatric care center in the Philippines, **offering 17 pediatric subspecialties**. As the country's premier end-referral center, PGH annually serves:

- 5,000 – 7,000 In-Patient Ward Patients
- 10,000 – 15,000 Emergency Department Visits
- 5,000–10,000 Outpatient Consultations
- 1,500 – 2,000 Intensive Care Unit Admissions (Pediatric and Neonatal)

PGH serves **indigent and critically ill patients**, leveraging its extensive network with institutions such as the National Institute of Health and the Child Protection Unit. Many patients travel from underserved regions to access PGH's quality, free healthcare, guaranteed by its compliance with the "No Balance Billing" policy. However, the demand for services often exceeds available resources.

This proposal seeks support for the **donation of life-saving medical equipment**: semi-automatic defibrillators, infant incubators, infusion pumps, syringe pumps, bio refrigerators, and an MRI-compatible transport ventilator. These devices will strengthen PGH's capacity to deliver specialized care, improve patient outcomes, and save lives.

Objectives

- Enhance the quality of neonatal and pediatric care in critical care units and wards.
- Ensure timely and precise interventions for critically ill patients.
- Address the resource gaps in PGH's high-demand services, benefiting indigent patients.
- Support healthcare providers with modern tools for more efficient care delivery.

Background and Rationale

PGH plays a crucial role in **providing accessible, high-quality healthcare to indigent patients** in the Philippines. Many patients arrive at PGH requiring **specialized, complex treatments unavailable in their local hospitals**. However, due to limited resources and outdated equipment, the hospital struggles to meet the growing demand for care, particularly in critical areas such as the Neonatal Intensive Care Unit (NICU), Pediatric Intensive Care Unit (PICU), and emergency rooms.

The proposed donation **addresses this critical gap by providing state-of-the-art equipment**, ensuring the continuity of care for vulnerable populations while enhancing the efficiency and safety of PGH's operations.

Intended Beneficiaries

Primary Beneficiaries: Indigent patients, including premature infants and critically ill children, who rely on PGH's no-balance-billing policy.

Secondary Beneficiaries: Healthcare providers at PGH, including pediatric subspecialists, nurses, and trainees, who will utilize the equipment to improve patient care and outcomes.

Utilization Plan

The donated equipment will be deployed to the following units:

1. **Neonatal Intensive Care Unit (NICU):** Infant incubators, infusion pumps, and syringe pumps to support the care of premature and critically ill newborns.
2. **Pediatric Emergency Room:** Semi-automatic defibrillators and infusion pumps for immediate resuscitation and stabilization of critically ill children.
3. **Pediatric Intensive Care Unit (PICU):** MRI-compatible transport ventilators and syringe pumps for patients requiring advanced life support.
4. **Service Wards:** Biorefrigerators for safe storage of temperature-sensitive medications and specimens.

Indications for Use

- **Semi-Automatic Defibrillators:** Management of cardiac arrest and arrhythmias in emergency and critical care settings.
- **Infant Incubators:** Thermal regulation and environmental support for preterm and low-birthweight infants.
- **Infusion and Syringe Pumps:** Accurate administration of medications, fluids, and nutrition.
- **Biorefrigerators:** Storage of vaccines, medications, and biological specimens under optimal conditions.
- **MRI-Compatible Transport Ventilators:** Ventilatory support for critically ill patients undergoing MRI.

Maintenance Plan

The donated equipment will be **maintained by the PGH Biomedical Unit under the Office of the Engineering Technology Services (OETS)**. Maintenance activities include:

- **Preventive Maintenance:** Regular inspections and upkeep to ensure optimal performance.
- **Repair Services:** Immediate response to any malfunctions or breakdowns.
- **Compliance with Standards:** Adherence to local and international safety and operational protocols.
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The Biomedical Unit will oversee staff training for proper equipment use and ensure consistent documentation of maintenance schedules.

Impact Assessment

The impact of the donation will be assessed through:

1. **Patient Outcomes:** Improved survival rates and recovery metrics in critical care areas.
2. **Operational Efficiency:** Reduction in delays for essential interventions due to availability of advanced equipment.
3. **Utilization Reports:** Data on equipment usage to ensure maximum benefit to patients.
4. **Healthcare Provider Feedback:** Surveys to evaluate the ease of use and effectiveness of the donated devices.

Conclusion

This donation will significantly enhance PGH's ability to provide high-quality, equitable care to the sickest and most vulnerable children in the Philippines. It will also support the hospital's healthcare providers in delivering efficient and life-saving interventions.

We invite your kind support in making this vision a reality, ensuring that PGH continues to be a beacon of hope for indigent patients across the country.