Welland Hospital Foundation
Quality healthcare, close to home.

Equipment Drive 2011-2012

Welland Hospital Foundation has committed to fund $708,069 worth of urgently needed equipment.

Donations from the community are the only source of revenue, as no government funding is available for these items.

Ultrasound Unit (Diagnostic Imaging).....$150,000
An ultrasound machine makes use of sound waves to create a picture of structures and organs found in the body. Because ultrasound technology is rapidly changing, the most current technology makes it a lot easier to see these structures and helps the doctor make an accurate diagnosis.

Central Monitoring System (Intensive Care Unit)..... $102,959
The ICU is a 16 bed unit including an 8 bed ICU for patients who are primarily multi-system failure, on a ventilator, cardiac or dialysis patients requiring a high level of invasive monitoring and intensive care. The patient's information will be seen at the bedside and at the central monitoring station at the Nurses' Station. The second 8 beds are in the cardiac monitored care/step-down unit for less intensive observation through the use of wireless telemetry packs and two beds with bedside monitoring capability. The wireless telemetry system will allow a patient to be seen throughout the hospital i.e. when being taken to x-ray.

The foundation will fund this monitoring system over five years at a cost of $105,000 annually for a total cost of more than $500,000 *(4th year of five year commitment)*.

Orthopaedic Operating Table (Surgical Services).....$65,000
This is an operating table which is used specifically for orthopaedic procedures such as total knee and hip replacements, surgical repair of fractured bones and other orthopaedic procedures performed in the operating suite.

Grossing Station (Laboratory).....$50,000
The Grossing Station is a surgical pathology workstation used by the pathologist when examining tissue samples. The station provides a built-in sink, a well-lighted work area, efficient exhaust system, hand free and manual controls for water. This station allows for optimal and ergonomic working conditions for the pathologist while processing various tissue samples.

Endoscopy Scopes (Ambulatory Care).....$44,570
The Endoscopy Department has a need to replace all of it endoscopes. At the Welland Site approximately 2500 scopes are performed each year. These scopes are used to visualize the stomach and bowel. The Doctor is able to take samples of tissue, remove polyps, stop bleeding and give the patient a diagnosis of the problem.

The scopes are also used in the Regional Colorectal Screening program as a preventive cancer screening tool.

The foundation will fund these scopes over five years at a total cost of $222,850 (*3rd year of five year commitment)*.

Sonolite Ultrasound (Intensive Care Unit) $43,000
The Portable Ultrasound Machine will be used by the Department of Anaesthesia. The Ultrasound will be used by the anaesthetists to locate nerves during administration of nerve blocks used as local anaesthesia and pain control. The ultrasound will also be used to locate large veins for insertion of central venous lines for administration of IV fluids, IV medications and intravenous nutrition for patients who cannot take in nutrition orally or as a supplement to oral nutritional intake.

Urodynamics Machine (Surgical Services).....$26,840
This machine is used by the urologists in the operating room to measure bladder capacity and function, and urinary flow.

(3) Ceiling Lifts (6th Floor) @ $8,000 ea. $24,000
These mechanical lifts mount to the ceiling to transfer patients. This assists the patient and staff to safely move a patient in and out of bed to be able to be up and mobile.

(3) Electric Beds (4th Floor, Complex Continuing Care, 6th Floor) @ $7,500 ea. $22,500
The replacement of beds is a constant need for patient safety and comfort. The wear and tear on hospital beds is multiplied many times more than our beds at home. Hospital beds are in use around the clock, day after day.

C02 Insuffalator (Diagnostic Imaging).....$20,000
A CO2 Insufflator is a special piece of equipment that will be used in the CT department to perform virtual colonoscopy. This will allow the Radiologist to inflate the patient's colon with CO2. Because the patient is able to expel CO2 from the colon far more comfortably than the room air that is currently in use, the CO2 insufflator will go a long way toward easing any patient discomfort experienced during this test.

Leica Microscope (Laboratory - Pathology).....$20,000
The Leica microscope is a device that uses a lens or system of lenses to produce a greatly magnified image of an object. The pathologist uses the microscope to magnify processed tissue samples to distinguish between normal and diseased tissue especially cancerous tissue.

Bladder Scanner (4th Floor – Inpatient Surgical Unit) $18,000
A bladder scanner will be used to measure the volume of urine in the patient's bladder and this will determine the need for catheterization if the patient is unable to void. It can also be used to determine if a patient is not completely emptying the bladder after they void.

(2) Electric Beds for Post-Partum Patients (Maternal/Childcare Unit) @ $6,500 .....$13,000
New beds are required on the maternity floor to provide comfort and safety to our patients. Electric beds allow new mothers to adjust the bed easily when resting, feeding or caring for their new babies and they are much more comfortable than the older models.

Industrial Washer & Dryer (Extended Care Unit).....$12,000
Laundry service is provided to the residents in the Extended Care Unit. Industrial washers and dryers are required under the Long Term Care Homes Act 2007. Industrial size washers and dryers manage large volumes of laundry providing 24 hour turn-around of laundry service. Constant temperatures are maintained for regular loads and for items being laundered from isolation situations, the capability to reach required temperature is possible.

(2) Cadd Pump (Complex Continuing Care Unit) @ $5,600 ea.....$11,200
This gives the palliative patient medication through an intravenous and/or subcutaneous route for pain control and comfort.

Biological Safety Hood (Laboratory).....$11,000
The Biological Safety Hood is used in the laboratory to provide primary containment of infective agents. The cabinet will minimize the escape of aerosols from the cabinet into the enviroment. It will provide a safe area for specimen processing in the event of infectious pandenmic outbreaks such as SARS.

(2)TIVA (Total IV Anaesthesia Infusion Pumps) (Surgical Services) @ $5,000 ea.....$10,000
Medication infusion pumps are used by anaesthetists to administer a consistent dosage of an infusion of anaesthetic medications during operative procedures.

(2) Cardiac Vital Signs Monitors with Bracket (Surgical Services) @ $4,500 ea. $9,000
This is a multipurpose monitor that allows the health care team to continuously reassess the patient's heart rate, blood pressure and oxygen saturation. The monitor can be used while the patient is in bed or can also be used as a portable unit, as required.

(2) Paediatric Stretchers (Maternal/Childcare Unit) @ $4,400.....$8,800
In Welland, the Paediatric Unit is responsible for the care of paediatric day surgery patients. In order to safely transfer these children to the Operating Room and back, paediatric stretchers are required. Many children are too young to be transferred on an adult stretcher and a smaller stretcher is necessary.

Hysterscope with Inner Sheath Bridge (Surgical Services).....$8,000
Scope inserted into uterus to visualize the inner lining of the uterus during gynaecological procedures in the operating suite.

(2) Infusion Pumps (Maternal/Childcare Unit) @ $4,000 .....$8,000
On the Maternal/Child Unit, IV pumps are used to safely control the amount of fluid an infant or child receives. All IV's must be on a pump as the dosages are much smaller in infants and children than adults.

(2) Smoke Evacuators (Ambulatory Care Unit) @ $4,000 .....$8,000
A smoke evacuator is used to remove the puff of smoke that occurs when the doctor is using a Cautery machine. This puff of smoke contains cancer causing agents so it is very important to remove so that staff does not inhale the smoke.

(2) Infusions Pumps (Ambulatory Care Unit) @ $4,000.....$8,000
The infusion pump will safely control the amount of fluid a patient receives. These fluids can include drugs and blood transfusions so it is very important the Nurse knows exactly how much the patient is receiving.

Hydraulic Treatment Table (Occupational Therapy) $4,800
Table used for patients to do therapy interventions to allow them to endure balance and endurance and get them functionally independent. Because the table is hydraulic it can vary in height and meets the needs of all patients.

Cast Saw (Ambulatory Care Unit).....$3,500
In the orthopaedic clinic staff use the cast saw to split and remove a patient's cast after a broken bone has healed.

Medication Cart (Day Surgery) $3,100
The medication cart is used in Day Surgery to store all the drugs that come from Pharmacy for our patients having Surgery. It allows us to administer drugs directly at the bedside to our surgical patients.

Bariatric Wheelchair (Complex Continuing Care Unit) $2,800
This wheelchair tilts and reclines to transport bariatric patients. This allows patients to move about independently that otherwise would not be able. A bariatric patient is defined as anyone regardless of age, who has limitations in health and social care due to their weight, physical size, shape, width, health, mobility, tissue viability and environmental access.

Total Commitment.....$708,069