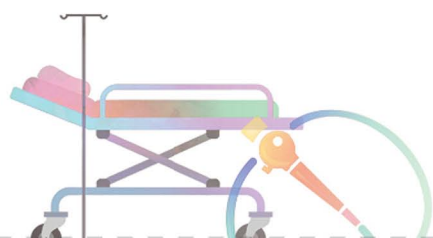


List of Medical Equipment Required by TWGHs Hospitals (2017-2018)



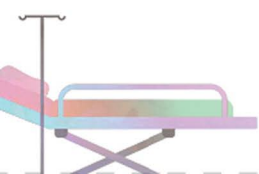
No.	Name of Equipment	Function	No. of Beneficiary per Year	No. of Equipment Required	Unit Cost (HK\$)
Tung Wah Hospital					
A1	Body-jet Evo System	Fat grafting is applied for volume restoration in congenital or post traumatic facial defects, breast reconstruction after cancer resection and stem cells therapy for complicated wound and scar management. The new water-jet technology provides fast and easy fat harvesting which can maintain vital fat tissue and stem cells as well as improve outcome of fat grafting, thus reducing the number of operations.	100	1	800,000
A2	Reverse Osmosis Water Filtration System	Reverse osmosis is a water purification technology which can remove various types of dissolved and suspended materials in water, including bacteria. The system will be used for cleaning endoscopy systems, automated endoscope reprocessors and steam sterilizer.	3,000	1	788,000
A3	Steam Sterilizer	This device consists of a closed chamber which can generate steam up to 134°C through high pressure to kill bacteria, spore and germs. It can effectively sterilize the equipment and instruments of Operating Theatre.	3,000	2	750,000
A4	LPG Cellu M6 Integral	This equipment provides personalized connective tissue treatments. Its therapeutic applications include minimizing the complication of breast cancer after post mastectomy, such as lymphedema and tight cord syndrome, and relieving musculo-skeletal pain conditions related to myofascial dysfunction and post-burn scar problems.	200	1	468,000
A5	SentiMag System and Probe	The system uses a non-radioactive method to detect and locate sentinel lymph node for biopsy.	100	1	360,000
A6	Dual Leonardo Laser System	The device generates laser for treatment of varicose vein on limbs. Laser energy is delivered to block the varicose veins in order to prevent further inflammation and bleeding.	100	1	278,000
A7	Cognitive Rehabilitation Training Program System	The system makes use of multimedia computers to generate audio-visual stimulation to cognitively impaired patients. It is the first of its kind which adopts Chinese and Cantonese as the language of the program.	850	1	150,000
A8	Drying Cabinet	The cabinet produces fan forced heating for rapid and even heat distribution in the cabinet which can dry the surgical instruments after cleansing, thus enhances the sterilizing effect.	3,000	1	138,000
A9	Clinical Audiometer	To generate test signals for performing various audiological tests, such as pure tone audiometry, speech audiometry, etc.	4,000	1	129,000
A10	Microvascular Doppler System with Accessories and Probes	To conduct real time assessment of microvascular circulation for identification and evaluation of blood flows to avoid damage to testicular artery during varicocele ligations surgery.	20	1	110,000
A11	Ultrasonic Cleaner	Ultrasonic cleaning technique is an efficient cleaning method which generates sound waves in water to ignite the cleaning process.	3,000	1	49,800
A12	Portable Mini Rehabilitation Unit	This instrument is mainly used on patients with brain injury and stroke, to train their functional mobility with the aim to restore their self-care ability. As the instrument is portable, therapists can provide bedside rehabilitation services to patients.	1,200	1	28,000



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No.	Name of Equipment	Function	No. of Beneficiary per Year	No. of Equipment Required	Unit Cost (HK\$)
Kwong Wah Hospital					
B1	Plasmapheresis Machine	The machine separates patient's blood components, filters and removes undesired plasma and then returns the blood cells and replacement fluid to the patient. The machine purifies the blood in human body for treatment of neurologic, autoimmune, renal hematologic and toxicity diseases for life-saving.	100	1	285,000
B2	Handheld Blood Analyzer	The handheld blood analyser provides point-of-care testing for blood gases, electrolytes and haematology in Intensive Care Unit. It can report the test results in 2 minutes, and the results can be printed out and transmitted to the information system of the hospital.	900	1	175,000
B3	Incubator	To monitor and maintain neonates' body temperature.	5,000	1	160,000
B4	Infant Warmer	The device is equipped with first-aid kit and is used for neonatal resuscitation and maintaining the neonates' body temperature.	5,000	1	120,000
B5	Headrest System and Skull Clamps	The system is used in neurosurgery to adjust and fix patients' head position.	600	1	94,500
B6	Bedpan Washer Disinfector and Ancillary Utensil	Bedpan washer disinfector can simultaneously clean and disinfect several bedpans at the same time, thus maintaining the hygiene of the hospital and minimizing the risk of cross-infection.	10,000	1	72,000
B7	Equipment Dryer	To dry up the cleaned equipment for further sterilization process.	500	1	61,000
B8	Medication Refrigerator	For storage of designated resuscitation medications.	40,000	2	45,000
B9	Flexible Rhinolaryngo Fibrescopes	The equipment is used at Ear, Nose and Throat Specialist Outpatient Clinic for clinical assessment and treatment of malignant changes in nasopharynx tissues.	500	2	45,000
B10	Stretcher	For transportation of maternal cases.	5,000	1	42,600
B11	Continuous Passive Motion Machine for Lower Limb	The equipment provides rehabilitation training to patients after knee joint surgery.	500	2	40,000
B12	Swivel Adaptor and Skull Clamps	To fix patients' head position during surgical procedures.	600	2	40,000
B13	Bladder Scanner	The equipment is used to measure the urinary bladder volume and post-void residual of patients for diagnosis and treatment of urinary outflow dysfunction.	300	1	38,000
B14	Auto Tympanometer	The equipment is used to test the condition of middle ear and eardrum for diagnosis of middle ear infection and assessment of ear function.	600	1	34,110
B15	Automated External Defibrillator	It is a portable device for diagnosis of arrhythmia. It can also be used for life-saving of critical patients through electric shock.	10	3	34,000
B16	Neonatal Body weight Scale	The equipment is used to measure neonates' body weight accurately to facilitate formulation of treatment plan, such as dosage of medication.	400	1	30,000
B17	Digital Doppler	The equipment is used to measure the amount of blood flow and velocity in legs for early diagnosis of foot abnormalities.	500	2	25,000
B18	Physiological Monitor	The monitor facilitates continuous close surveillance on the post-surgery conditions of unstable and critically-ill patients.	2,000	5	25,000



List of Medical Equipment Required by TWGHs Hospitals (2017-2018)



No.	Name of Equipment	Function	No. of Beneficiary per Year	No. of Equipment Required	Unit Cost (HK\$)
Tung Wah Eastern Hospital					
C1	Virtual Reality Rehabilitation System	It is a virtual therapy system equipped with advanced sensor technology which can automatically track patients' limb movement and simulate real-life situation to train patients' gross motor skills, daily activities tasks, community navigation and cognition, etc. The equipment possesses instant positive feedback function and is equipped with interactive training programs and virtual games which can motivate patients to continue training and accept further challenges. The system can accommodate the training needs of patients with different cognitive and mobility ability, including geriatric, stroke, orthopaedic and pulmonary rehabilitation patients.	2,500	1	150,000
C2	Portable Ultrasound Machine	It is a handheld ultrasound machine that facilitates doctors to conduct bedside ultrasound imaging for diagnosis and clinical decision-making.	600	1	130,000
C3	Treadmill	The equipment provides cardio-pulmonary training.	10,000	2	96,300
C4	Digital Binocular Indirect Ophthalmoscopes	The equipment provides LED digital still or dynamic images in fundus examination for diagnosis of eye diseases.	5,000	1	85,000
C5	6 Position Lower Limb Trainer	The device facilitates training on lower limb with the aim to enhance the functional range of motion of lower extremity, thus improves patients' self-care ability and independence. The device consists of six sensors feedback panels which will provide audio feedback in different tones in response to switch activation. The device can be programmed or randomly activated for different types of training mode.	2,000	1	71,200
C6	Heart Rate Variability (HRV) Biofeedback System	The HRV biofeedback system provides spontaneous feedback on patients' breathing control, thus enhances their awareness of breathing rate for attaining a relaxed state. This system can also measure patients' resonant frequency which facilitates them to follow the recommended breathing rhythm.	50	1	60,000
C7	Recumbent Cross Trainer	It provides a total body workout for patients in order to strengthen their upper and lower limb muscles as well as cardiopulmonary function.	800	1	50,000
C8	Portable Bilevel Positive Airway Pressure Ventilator	The equipment provides therapy for patients with respiratory failure and sleep apnea. With an internal battery, the equipment can provide emergency support to patient's respiratory system during urgent patient transfer.	300	1	49,900
C9	Physiologic Monitor	The monitor facilitates surveillance on patients' vital parameters, including electrocardiogram, blood pressure and oxygen concentration, etc.	9,000	2	40,790
C10	Pharmaceutical Refrigerator	The pharmaceutical refrigerator stores drugs at 2-8 degree Celsius, with an internal alarm system for alerting deviation of temperature from designated range.	6,000	1	40,000
C11	24 Hours Ambulatory Electrocardiogram Recorder	The device can continuously record patients' cardiac rhythm in normal daily activities for 24 hours, thus facilitates diagnosis and treatment of arrhythmia.	300	1	37,870
C12	Bronchoscope System with Disposable Flexible Video Endoscope	The equipment captures clear video bronchoscopic images, and is equipped with disposable flexible video endoscope which is used in emergency situation, such as difficult intubation of patients under general anesthesia.	5	1	28,500
C13	Instrument Set for Descemet Membrane Endothelial Keratoplasty (DMEK)	The DMEK is a new corneal graft technique which can speed up patients' recovery compared with traditional surgery. This instrument set is used for delicate dissection of the descemet membrane during operation.	5-10	2	26,960



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No.	Name of Equipment	Function	No. of Beneficiary per Year	No. of Equipment Required	Unit Cost (HK\$)
TWGHs Wong Tai Sin Hospital					
D1	Electric Standup Wheelchair	The chair facilitates rehabilitation training of patients with weak legs by positioning their various postures from sitting to standing.	500	1	100,000
D2	Physiologic Monitor Non-Invasive Pacemaker	The monitor facilitates continuous surveillance of patients' vital parameters.	Over 3,000	2	62,000
D3	Defibrillator Biphasic & Accessories with Trolley	For treatment of patients who suffer from bradycardia and are irresponsive to medication.	Over 500	1	60,000
D4	Electrocardiography	To check patients' cardiac rhythm and pattern.	100	2	55,000
D5	Air Purifier	For strengthening the infection control during the aerosol generating or life-saving procedures.	100	2	35,000
D6	Physiological Monitor	The equipment monitors the vital parameters of critical patients for timely detection of changes in physical conditions in order to give appropriate treatment.	500	1	30,000

TWGHs Fung Yiu King Hospital					
E1	X-ray Digital Upgrade Kit for Mobile Radiographic Unit	In direct digital radiography, X-ray images will be available for immediate viewing, thus enhances the efficiency of diagnosis and treatment.	3,000	1	600,000
E2	Rehabilitation Slide for Upper Limb Function Training	The equipment provides training on shoulder, elbow and wrist of patients who are semi-paralyzed after stroke and patients with upper limb weakness or poor control.	2,000	2	75,100
E3	Recumbent Stepper	The equipment provides arm-to-leg movement which can improve patients' mobility, such as climbing stairs. It is particularly suitable for elderly rehabilitation. The seat of the equipment can be removed for direct access of wheelchair.	280	1	58,000
E4	Oxygen Concentrator	To facilitate stable provision of oxygen to inpatients and reduce the oxygen consumption of the hospital's central oxygen supply system.	2,400	12	26,000
E5	Mattress System	For preventing pressure ulcer.	2,400	12	24,800

Acknowledgement Arrangement

Type of Donation	Acknowledgement on Equipment*	Acknowledgement on TWGHs Website	Acknowledgement in TWGHs Annual Report
Medical Equipment	✓	✓	✓
Donation of HK\$ 10,000 or above	—	—	✓

*Photo of the equipment will be sent to donor for retention once installation is completed. Acknowledgment will be expired upon disposal of the equipment.

Remarks:

1. TWGHs will start the procurement procedure upon receipt of the sponsorship. Donors will be kept informed of the progress by written notice in due course.
2. Function of equipment is not fully enlisted due to limited space. Please contact 2859 7880 for further details.

