

# Previous Motec Projects

## Targeted Education, Training, Transfer of Skills

Some aspects of Motec work would require training of some medical, nursing and para-medical staff would benefit from training in some U.K institutions to enable the hospitals maintain a better level of care:

Nkawkaw Holy Family should benefit from a local doctor training in 'surgical ultra-sound' in the U.K. Senior members of Motec are happy to arrange an attachment for Dr. Brobey to visit the U.K. for clinical attachment and train for three weeks. This would involve a trip and accommodation cost of about £2000 (ticket £500, hotel accommodation £1000, living allowance of £500). It would require a portable ultrasound machine and donations are welcome as the cost of the equipment is estimated at about £15,000.

St Joseph's hospital as well as Nkawkaw Hospitals should benefit from an exposure of a two selected nurses to be trained for theatre recovery ward and the management of an orthopaedic theatre. A three week intensive observational attachment to a British facility would prove very useful. Total cost of the project is estimated at £4000. Motec is already striving to equip the recovery wards at both sites.

## Outreach Project

The task ahead in Ghana is immense. All the same, we are prepared to share our experience with groups with similar or better agenda. In our infancy, many have called on us for guidance and help. We believe in working with local people in their environment, inter-changing ideas and formulating plans for development of individuals and the hospitals through a multi-disciplinary and inclusive approach, education, training, support with affordable material and equipment giving respect to the value and contribution of local health workers to the overall health care of the people. These are areas that Motec has researched. We have engaged positively with patients, local health workers and administrators in Ghana. We are more than willing to provide support to Groups based in the U.K. who have asked for help for The Gambia and Nigeria.

## Pramso Project

Motec have visited St Michaels Hospital at Pramso near Kumasi. Our organization has accepted the challenge of supporting the hospital starting initially with an educational programme based on the report reviewed by the Trustees following a fact-finding mission to the hospital in February 2007 with an educational programme to be started in October 2007.

## Physiotherapy, Koforidua Central, St Joseph's and Nkawkaw Holy Family Hospitals

Koforidua Central has a physiotherapy department that is better equipped than most NHS physiotherapy facilities in the U.K but has only one experienced well-trained physiotherapist. There is supposed to be a physiotherapy training college in Accra but there is severe shortage of physiotherapists and perhaps, understandably, some have not been exposed to the rehabilitation of patients undergoing major orthopaedic bone and joint surgery. There is an urgent need to train the local staff to carry out the minimum rehabilitation. On the job training means that for the short term, more of Motec physiotherapists have to travel with the group to treat patients and to train staff preferably at the Koforidua Central Hospital. The target Hospitals have expressed their willingness to assign some of their staffs to attend short-term training sessions. It will cost about £4,000 per year to send our physiotherapist to Ghana. This will be against the background of an achievement of specific goals like improvement of patient rehabilitation, early discharge leading to more patients being treated. We have learnt painfully of the long waiting list for basic operations at Koforidua. The organisation is looking at long-term solutions.

### **Laboratory, Koforidua St Joseph's Hospital**

The hospital runs a histopathology service with an American Health Institution in which specimens are airlifted fortnightly. Unfortunately, microbiology, haematology and clinical chemistry services, which clinicians may need to aid in diagnosis in a matter of hours remains inadequate and poor. Equipments such as microscopes, autoclaves, incubators, safety cabinet and small to medium automatic analyser's for sample analysis are all urgently required. Consumables such as antibiotic susceptibility disks, Staphaureus, Streptococcus grouping kits, disposable plastic loops, prolab cryovials, microscopic slides, disposable Petri dishes for microbiological culture and susceptibility testing are required. Estimated cost of £20,000 would be needed to set up the pathology department and provide training for the staff. Donations of equipments in good working condition could reduce the cost. It is hoped that benevolent diagnostic companies, or individuals with skills will contact Motec through our biomedical scientist to upgrade the services.

### **Recovery Ward, Koforidua St Joseph's Hospital**

The hospital has a two-bedded room close by the theatre that is called recovery ward. It is ill equipped and apart from the Anaesthetist who may visit to review patient, there is no trained staff, proper recovery or monitoring of patients. There is an urgent need for equipment in the recovery ward and personnel to be trained to effect the planned improvement. Items like suckers, ventilation machine, BP monitors, pulse oximeters, a good supply of oxygen are the minimum required. It is the recommendation that dedicated nursing staff are trained in the elite hospitals with effective and efficient recovery ward and process of recovery such as in some private Hospitals in Accra. Donated material will help cut the huge cost of implementation of this project from well over £11,000.00 to the cost of freight and sponsorship of local nurses and medical staff to under £3,000

### **Elective Orthopaedic Ward**

In view of the large mix of admissions, it is necessary to have a clean ward of about sixteen beds for elective admissions for all planned non-infected bone and joint surgery. Local builders of St Joseph's Church in Ghana may be prepared to provide voluntary services and the hospital administration at Koforidua are prepared to support the project. Hospital land has been earmarked for the project. The total cost of the project is estimated at about £25,000.00 (under). Benevolent organisations in the U.K have already donated beds for this Project.

### **Theatres, Koforidua St Joseph's and Nkawkaw Holy Family Hospitals**

Revamping of the theatre equipment, surgical instrumentation, tourniquet, safe anaesthetic equipment. Operating tables to replace very old ones, orthopaedic traction tables, suckers, improvement in the theatre sterilisation equipment are essential part of the drive to improve hospital care as identified together with our host hospitals.

There is an urgent need for an improvement in radiological services in the theatre particularly for fracture management at both hospitals and working C-arm machine each for these hospital will go a long way to improve care. It seems that Koforidua is overwhelmed with Trauma some of which are referrals from Nkawkaw. The authorities at Nkawkaw and Koforidua seem willing to expand their capacity, which is easily achievable to cover trauma care. It seems logical that both with spare third theatre can renovate these and put them to use. Equipment in good condition that could be easily maintained, donated to these hospitals with manuals could minimise the cost of improvement to a minimum of about £5000 to cover local materials and cost of transport within the U.K. and freight to Ghana.