



MEM

MYUNGSUNG CHRISTIAN MEDICAL CENTER



ANNUAL REPORT 2010

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INTRODUCTION

About us

The Myungsung Christian Medical Center (MCM), located in Addis Ababa, Ethiopia, was established by the Myungsung Presbyterian Church of South Korea to provide quality health care to the people of Ethiopia and to train Ethiopian medical professionals.

MCM has both foreign and Ethiopian medical personnel who are motivated and committed to taking care of the medical needs of patients who enter the hospital.

Being the first state-of-the-art hospital in Addis Ababa, our hospital offers social and professional health care service to all. We also reach out to the rural areas of the country through our mobile clinics. We provide monetary aid to many patients who are too poor to afford treatment. In addition, all year long medical professionals come from counties all around the world (Korea, United States, Norway, Canada, etc) to provide medical care, oftentimes free) to the neediest of the patients.

MCM seeks to collaborate with any like-minded organization or foreign medical faculty interested in developing training facilities for Ethiopia's medical professionals and to give on-the-job instruction.



Supported by Myungsung Church	(USD)
Construction of Medical Collage and Church	403,013
Medical Equipments and Medical Supplies	345,752
Chaity Works	101,440
Others	12,636
Total	862,841

CHAIRMAN OF THE BOARD'S MESSAGE



**MyungSung Church Senior
Pastor Kim Sam-whan**

The MCM Hospital in itself is a miracle, a fruit of blessing given by God. It has met its third anniversary since the opening on 2004. Glory and thanks to God! Ethiopia is like a brother to us, helping us in the Korean War when we were in great need. There are still many living Ethiopian soldiers who were injured in battle. At first we MCM was a small clinic set up with the help of these people. But with the sincere request of the Prime Minister of Ethiopia, it was recreated into a hospital housing 300 patients.

Many patients seek the MCM Hospital these days. As many as 350 people come to be treated a day. It has about 300 doctors, nurses and administrative personnel, and 30 volunteer workers from Korea and other countries are working together. Moreover, MCM is in cooperative relations with numerous organizations in other countries and has become the most trusted hospital in Ethiopia, becoming a designated hospital for important persons who are visiting the country.

MCM will grow more. It will not only be endowed with the newest medical equipment, but with the best medical team. Establishment of a nurses' school, medical school, school of public health and such is being planned. It will grow to be a good medical organization like the Severance in Korea and become a great foundation stone for missionary work in Ethiopia.

May the blessings of God be with all those who prayed for and supported the MCM Hospital. Without a doubt, 2010 has been a year of great achievements for MCM. However, we also recognize that our goal towards creating MCM into a world-class health facility will require much more work to be done. And we are ready for the challenge.

DIRECTOR'S MESSAGE



Dr. ChulSoo KIM

Medical Director & C.E.O.

The Myungsung Christian Medical Center (MCM) focuses on providing quality health care to people of Ethiopia and training Ethiopian medical professionals.

Being the first state-of-the art hospital in Ethiopia, our hospital offers personal and professional health care service to all. We also reach out to the rural areas of the country through our mobile clinics. We provide monetary aid to many patients who are too poor to afford treatment. In addition, all year long, professionals come from counties all around the world (Korea, United States, Norway, Canada, etc) to provide medical care, oftentimes free, to the neediest of the patients.

I'm pleased to report that MCM has delivered robust results last year. To put it short, 2010 has been a year of success in every aspect. In collaboration with cardiologists from Sweden, MCM successfully conducted the first open heart surgery in Ethiopia and provided the gateway for saving countless patients with heart diseases. With the support from the FK Norway program and affiliation with numerous hospitals in Korea, we have sent many of our Ethiopian doctors and nurses abroad to Norway and Korea as a way for them to gain valuable medical knowledge and experience. With the recognition of Ethiopia's lack of spending of health care, many government agencies, non-profit organizations, and private professionals have willingly donated a total amounting over \$1,000,000 to support our cause. In order to extend awareness of MCM's existence to Ethiopians, we held a Health Expo for three days with the support from United Nations (UN).

Without a doubt, 2010 has been a year of great achievements for MCM. However, we also recognize that our goal towards creating MCM into a world-class health facility will require much more work to be done. And we are ready for the challenge.

Vision

Our vision is to become the best hospital in Ethiopia and providing the best quality medical service. We also try to play a pivotal role for medicine and education, train for professional medical care providers, and expand access to advanced medical treatment for those who need it.

Mission

Our mission is to show the love of Jesus Christ by providing advanced medical services to Ethiopians who are unable to get proper medical care. We want MCM to be self-sustained so that even if it is left in the hands of Ethiopians the hospital would continue to prosper without problems. Through the construction of a medical college, we aim to produce many Ethiopian specialists so that Ethiopia is no longer regarded as a medically underserved country. Through all of these efforts, it is our wish and desire to help Ethiopians accept Jesus Christ as the Lord and Savior and gain eternal life.

Core Values

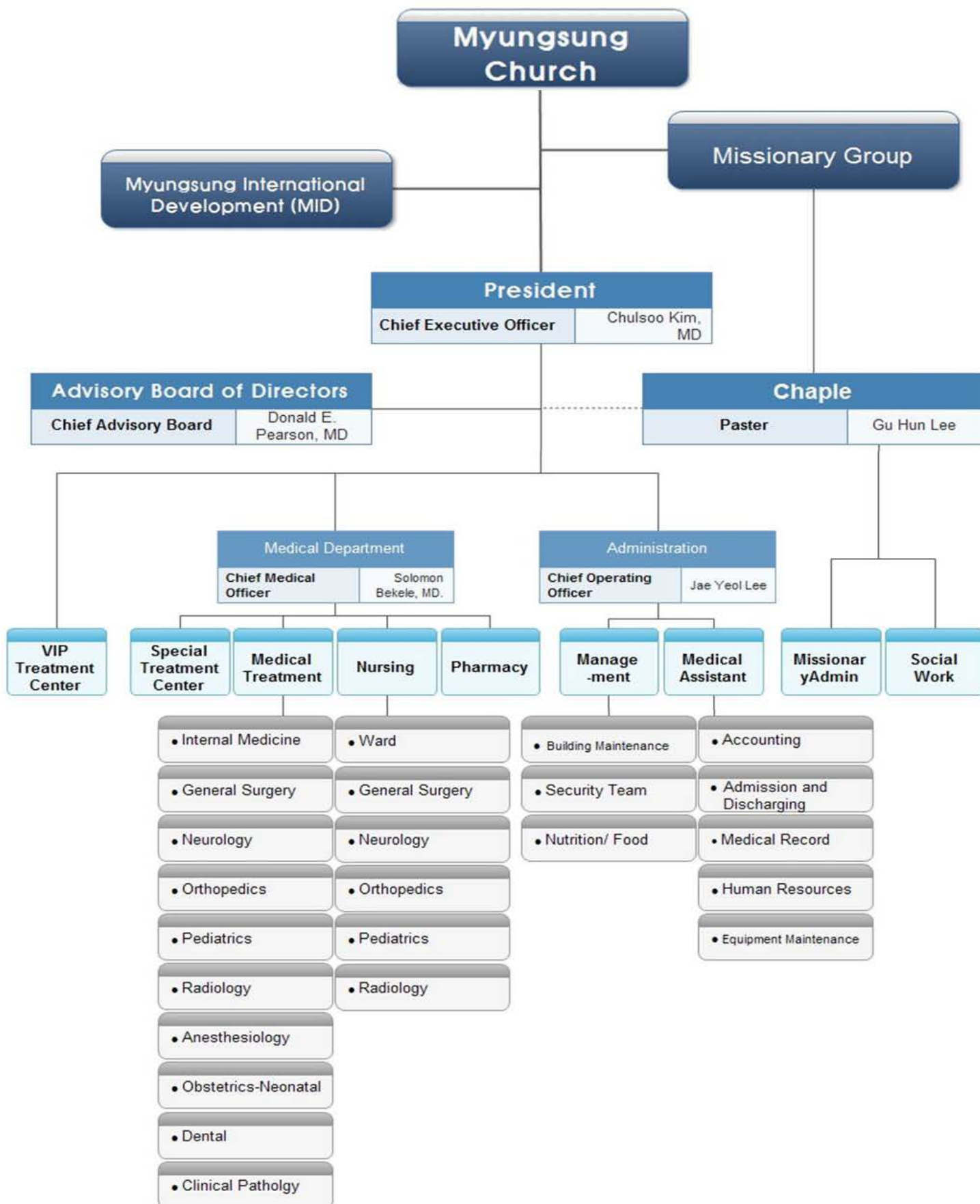
Compassion We reach out to people in need and give comfort as Jesus did. We nurture the spiritual, physical and emotional well-being of one another and those we serve. We embrace those who are suffering.

Excellence Strive for the highest quality and continuous improvement. Be thoughtful and decisive in leadership, accountable for my actions, willing to admit mistakes, and rigorous in correcting them.



Cooperation and Respect Cooperates with the government, and international organizations, evangelistic churches, and other mission organizations throughout the world, help and respects department and employee each other and pursues the development of the organization.

ORGANIZATIONAL CHART



NEW CHANGES AND DEVELOPMENTS

1. Medical Achievements

- a. Three Ethiopian specialists received fellowship training on various fields in Korea for 12 weeks through KOFIH (Korean Federal Institution of Health). Another Ethiopian specialist, with monetary aid from MCM, received training in Ilsan Hospital, Korea for 7 weeks.
- b. In collaboration with Facing Africa, a UK based charity and humanitarian organization, we treated a total of 85NOMA patients.
- c. With the help of cardiologists from Sweden, we were able to conduct open heart surgery for 8 patients. This was an important event in that it was the first time an open heart surgery was conducted in Ethiopia.

2. Development of Relationships with Corporations

- a. The Japanese Embassy and JICA (Japanese International Corporation Agency), have promised to donate \$100,000 each year for the development of MCM.
- b. Africa Oil, a Canadian oil company stationed in numerous locations in Africa, donated \$260,593 to our hospital. This donation helped us establish a new ICU (Intensive Care Unit) room.

3. Inauguration of a new director of MCM

: The 3rd director Chulsoo Kim

4. 1st Ethio Health Expo

- a. Our hospital planned a Health Expo (4/23-4/25) for three days in the Exhibition Center as a sign of display that we possess the medical personnel and equipment needed to treat a number of different diseases.

5. Construction

- a. A new guesthouse was completed to accommodate the needs of the growing number of foreign medical personnel and volunteers. For entertainment purposes, a cable TV containing international channels such as BBC, CNN, and ESPN is placed in each room in the new guesthouse.
- b. The pharmacy was expanded in order to be able to store additional medicines and avoid instances of shortages.

6. Implementation of Nutritional System

- a. The nutritional care at MCM is dealt with utmost caution so that patients receive all the necessary nutrients that they need. The food is tailored to suit the needs of different types of patients .

7. Computer System

- a. The OCS (Order Communication System) was reformatted in order to create a more efficient communication of medical information amongst various departments in the hospital.

DIVISION OF INTERNAL MEDICINE

Overview

The Department of Internal Medicine is an extremely vital part of the hospital, contributing the highest patient turnover rate both in its outpatient and inpatient service. Consequently, it ranks highest in terms of income generation for the hospital.

Our GI (Gastrointestinal) unit is now second to none in the country.



Michael Abebe, M.D.

Highlights of 2010

- New endoscopy rooms were completed, allowing services to expand
- A brand new endoscopy tower, an additional second hand tower with two upper gastrointestinal (GI) endoscopes, and a colonoscope with a sterilization tower were acquired
- 168 patients started on antiretroviral therapy (ART)
- 263 patients treated with TB Rx, a drug resistance for tuberculosis
- 14,386 patients seen in medical OPD

Staffs	
Name	Title/Special Responsibility
Michael Abebe, M.D.	Department Head of Internal Medicine
ZewduAsefa, M.D.	Senior Internist
AsfawTena, M.D.	Junior Internist

Major Clinical Procedures

Since 2004, the Department of Internal Medicine has been conducting diagnostic endoscopies to patients. Specifically, upper and lower gastrointestinal endoscopies are conducted to examine any problems in the gastrointestinal tract. Besides this, other procedures such as bronchoscopy, sigmoidoscopy, and colonoscopy are used to examine other organs throughout the respiratory and digestive system. Through these examinations, there are often discoveries of tumors. For these patients, biopsies of tumors are performed in order to further analyze the characteristics and severity of the disease.

This department is sought by many patients who have problems in the gastrointestinal and respiratory tract. As a result, most patients that seek the department have conditions as follows:

- Chronic gastritis
- Erosive gastritis
- Bile reflux gastritis
- Gastro esophageal reflux disease
- Peptic ulcer disease
- Inflammatory bone disease
- Gastric malignancy
- Esophageal tumor



Equipment List

- Endoscope
- Colonoscope
- Sigmoidoscope
- Bronchoscope
- Echocardiogram

DEPARTMENT OF DENTISTRY

Overview

MCM's Dental Department offers high quality dental treatment to its patients on Mondays, Thursdays, and Saturdays. On these days, the office is usually crowded with patients. In order to treat a variety of dental problems, the department is outfitted with the necessary equipment to conduct both minor and major surgeries.



Dr. Solomon DDS, MSC.

Highlights of 2010

- Both oral and maxillofacial surgeries were performed at MCM hospital for Ethiopian patients (cleft lip and cleft palate)
- With the help of many dentists from Korea, MCM hospital was able to give dental treatment (extraction, scaling, cavity filling, etc.) to Ethiopians who live in the rural area on two occasions (Welete and Ginchi) through the Mobile Dental Clinic.
- New surgeries conducted:
 - Apicoectomy
 - Gingivectomy
 - Disimpaction



Staff	
Name	Title/Special Responsibility
Solomon Berkesa D.D.S., M.Sc.	Department Head of Dentistry
Enmiy Lee	Clinical Nurse
Alemtsehay	Clinical Nurse
Meskerem	Clinical Nurse
Jenny Nam	Dental Hygienist
Hilary	Dental Hygienist

Major Clinical Procedures

Many Ethiopians lack awareness in the importance of correct dental hygiene and dental care. As a result, patients often come with conditions such as dental caries, gingivitis, and cellulitis.

In addition to the commonly known dental procedures such as teeth extraction, scaling, cavity filling, and amalgam, the department also offers other procedures to treat a variety of dental problems. Some of the additional procedures that are conducted are listed below.

- Gingivectomy
- Pulpotomy
- Apicoectomy
- Disimpaction
- Root Canal Treatment
- Curettage
- Crown and Bridges
- Acrylic Denture
- Surgical Removal of Wisdom Tooth



DEPARTMENT OF GENERAL SURGERY

Overview

The Department of General Surgery at MCM is composed of six different fields: General Surgery, Plastic Surgery, Vascular Surgery, Orthopedic Surgery, Neurosurgery, and Thoracic Surgery. There are sub-specialists in each field listed above and an average of 30 beds is used for patients from the department. In preparation for emergency, residents are on shift and a consultant is on call 24 hours a day.



Dr. Solomon Bekele, MD.

Highlights of 2010

- Three general surgeons at the hospital work full time and an attending surgeon performed maxilla facial and urology surgery
- General surgeon from Korea who was trained on breast surgery started a Breast Clinic mainly on screening and treatment of breast-related diseases
- Our hospital is now renowned in the country for the availability of laparoscopic surgery
 - Reduced pain, hemorrhaging, and shorter recovery time for patients because it is minimally invasive



Staff

Name	Title/Special Responsibility
Solomon Bekele, M.D.	Department Head of General Surgery
Alemu, M.D.	General Surgeon
Zelalem, M.D.	General Surgeon

Major Clinical Procedures

Considering the fact that the scope of the field of General Surgery is wide, the department conducts various types of surgical procedures that accounts for many different types of patients such as goiter, benign prostatic hyperplasia (BPH), hernia, hemorrhoids, and trauma. However, there are surgical procedures that are conducted frequently compared to others. The common surgical procedures that are conducted in this department are listed below.

- Cholecystectomy
- Thyroidectomy
- Gastrectomy
- Prostatectomy
- Herniorrhaphy
- Hemorrhoidectomy

One special feature of MCM is the availability of laparoscopic surgery, which is an operation performed through small incisions with the aid of a camera. Because laparoscopy enables surgeons to conduct minimally invasive surgeries, there has been reduction of post-surgery problems for patients.



Equipment List

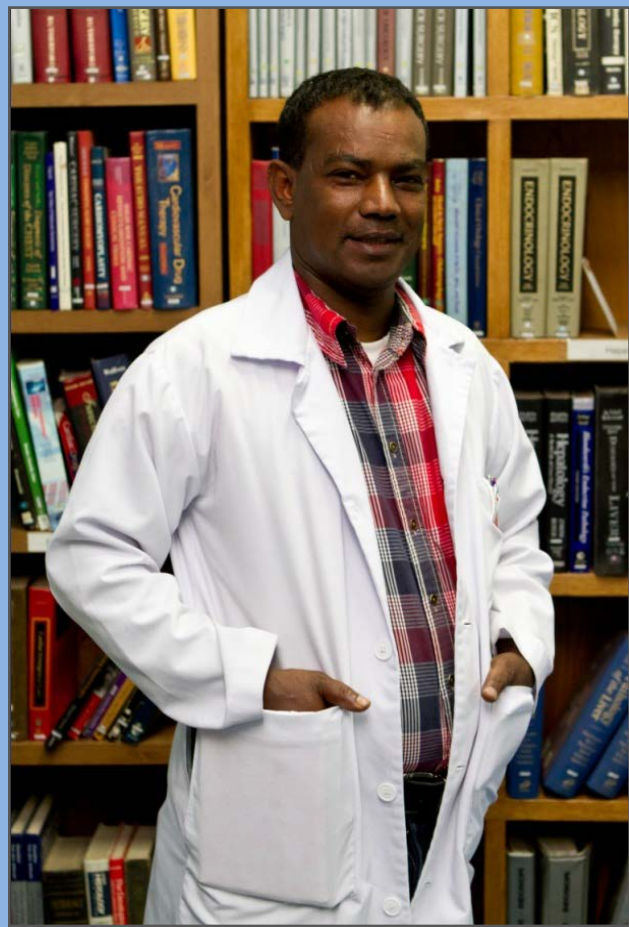
- Laparoscope
- A set of minor instruments needed for different types of surgery such as forceps, clamps, occluders, scalpels, specula, etc.

DEPARTMENT OF NEUROSURGERY

Overview

The Neurosurgical Department at MCM is responsible for all pediatric, spine, and brain surgeries. Besides these types of surgeries, hypophysectomy and aneurismal clippings are also performed.

This department is staffed by full-time consultant neurosurgeons and the activity is covered by residents on off duty hours. The neurosurgical unit essentially covers all neurosurgical activities in the OPD, ER, recovery room, ICU, and O.R



Dr. Hagos Biluts.

Highlights of 2010

- 106cases of hydrocephalus surgeries were conducted
 - Accomplished with the support from Dr. Koenig (U.S.) and other neurosurgeons from U.S, Japan, and Sweden
- Research concerning hydrocephalus was conducted by Dr. Park (U.S.)
 - This project is conducted with the support from FK Norway's Hokeland hospital.



Staff	
Name	Title/Special Responsibility
Hagos Biluts, M.D.	Department Head of Neurosurgery
Abenezer Tirsit, M.D.	Resident
Michael Eshetu, M.D.	Resident

Major Clinical Procedures

Due to the low intake of vitamins and nutrients, many Ethiopians suffer from hydrocephalus. With the presence of advanced medical equipment, our department conducts minimally invasive hydrocephalus surgery to these unfortunate patients. Beside this, transsphenoidal surgery, hypophysectomy, and craniotomy are also common surgical procedures that are performed in this department to treat patients with pituitary tumors and aneurysms.



Patients in 2010

Outpatients	1,820
Inpatients	1,352
Operation Case	462
Hydrocephalus Operation Case	106

Teaching Activities

- Four neurosurgeons participated in a neurosurgical training program in Norway for six months through the FK Norway program



- Many neurosurgeons from other hospitals in the country received training from the neurosurgical staff at MCM
- Consultant and expatriate neurosurgeons in the department provided teaching services for residents from Addis Ababa University (AAU)

Equipment List

- Craniotomy Set
- Myelomeningocele (MMC) set
- Endoscopic Third Ventriculostomy (ETV) set
- Laminectomy set
- Anterior Cervical Discectomy (ACD) set
- Microscope
- Nitrogen drill
- Skull clamp
- Horseshoe support
- Burr hole set
- Leyla retractor



DEPARTMENT OF PHYSIOTHERAPY

Overview

Physiotherapy is a health care profession that uses physical therapeutic means and exercises to ensure maximum recovery for patients. The treatment prescribed in our department is designed to relieve pain, restore normal function and strength, prevent further injury, and promote healthy living.

The physiotherapy department provides a broad and comprehensive range of both inpatient (ward based) and outpatient services to patients referred by physicians.



Mr. Roba Banata, MSPT.

Staff	
Name	Title/Special Responsibility
Roba Banata, MSPT	Department Head of Physiotherapy
Tision Mathewos	Physical Therapist Assistant

Major Clinical Procedures

While inpatients in this department consist of surgical patients or ICU patients, outpatients are usually referred by orthopedic surgeons or neurosurgeons. There is a difference between inpatient and outpatient physiotherapy in that the former focuses on rehabilitation towards movement while the latter generally focuses on more short-term problems.

Inpatient Physiotherapy (ward based)

- Ambulation (bed or corridor)
- Chest physiotherapy (CPT)
 - For patients with respiratory problems
- Positioning exercises
 - Prevention of contractures
- Training with crutches
- Burn rehabilitation



Outpatient Physiotherapy

- Pain management
- Rehabilitation after fractures, strokes, strains, etc.
- Instruction of correct use of body mechanics
 - Object lifting techniques
- Gait training
- Posture or deformity correction

Equipment List

- Exercise
 - Terabands, exercise balls, treadmills, walkers
- Thermotherapy
 - Hot packs, paraffin bath
- Electro therapy
 - Interferential Current Therapy (ICT)
 - Transcutaneous Electric Nerve Stimulation (TENS)
 - Infrared
 - Ultra sound
 - Air pressure massager
 - Microwave diathermy
- Automatic Traction(lumbar, cervical)

Patients in 2010

Repeat Patients	2,629
New Patients	469
Inpatients	1,729
Total	4,827

DEPARTMENT OF OBSTETRICS AND GYNECOLOGY

Overview

The services provided by this department are divided into two parts; Obstetrics and Gynecology. Obstetrics focuses on the care and treatment of the mother and the child before pregnancy, during pregnancy, and after delivery. Gynecology deals with the diagnosis and treatment of diseases and disorders originating from the female reproductive system. Because these two fields overlap, the services provided by each field are generally practiced together. Preventive measures and testing (Pap smear, mammography, HIV test, etc.) are practiced in both fields.

The services in this department are mainly provided by experienced specialists and midwives while general practitioners and clinical nurses provide support during working and duty hours.



Mekonnen Kebede, MD

Highlights of 2010

- Under the direction of Dr. Kim, Medical Director of MCM, the department started to perform laparoscopic and gynecological surgeries to its patients.



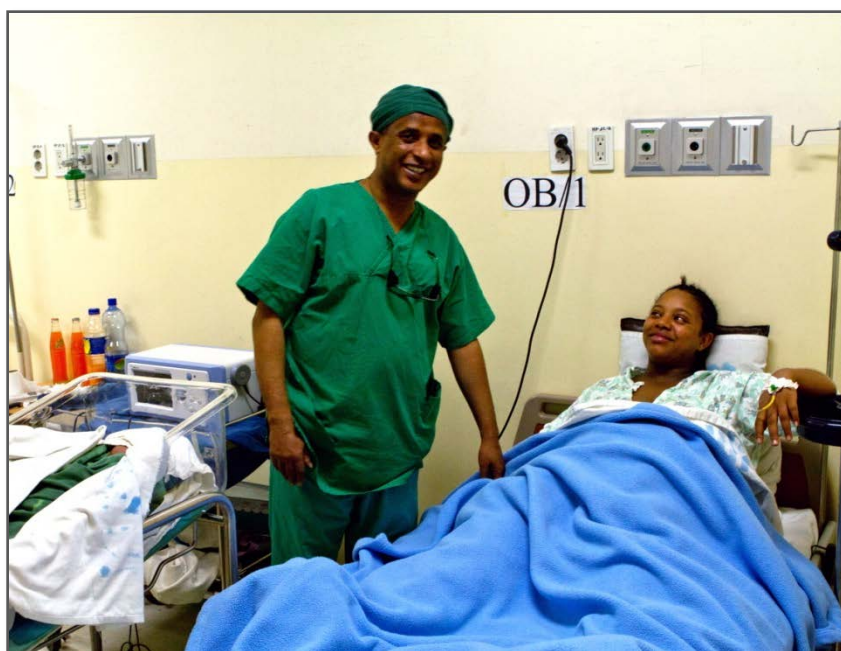
Staff

Name	Title/Special Responsibility
MekonnenKebede, M.D.	Department Head of OB-GYN
Chulsoo Kim, M.D., Ph.D	Medical Director of MCM
SerguteselasseTibebe, M.D.	Medical Specialist in OB-GYN

Major Clinical Procedures

Expectedly, the medical services offered in this department are usually sought by women with reproductive disorders or pregnant women. MCM's OB-GYN conducts minimally invasive gynecological surgeries (laparoscopic and hysteroscopic) to its patients. Some of the common surgical procedures conducted by this department are listed below in no order of importance.

- Caesarian section
- Myomectomy
- Hysterectomy
- Salpingo-oophorectomy



Deliveries in 2010

Normal Deliveries	392
Caesarean Section	324
Instrumental	43
Breach	7
Total	766

One special service offered by this department is PMTCT (Prevention of Mother-to-Child Transmission of HIV). This service is provided in collaboration with Addis Ababa Regional Health Bureau (AA-RHB), Johns Hopkins University's Tsehay project, and Ethiopian Society of Obstetricians and Gynecologists.

The goal of this service is to ensure the safety of both fetuses and pregnant women from HIV. This is accomplished through the administration of prophylactic and therapeutic ART (antiretroviral therapy) to pregnant women, infant feeding counseling, and testing partners for HIV.

Outpatients in 2010

New Patients	1,023
Repeat Patients	7,708
For Result	1,534
Total	10,265

Teaching Activities

- Expatriate specialists from different countries come occasionally to help train the local staff concerning different surgical procedures such as laparoscopy and colposcopy
- Foreign interns and medical students gain valuable clinical experiences by being attached to the department for a short period of time



DEPARTMENT OF PEDIATRICS

Overview

The Department of Pediatrics at MCM has two major areas of pediatric care; the prevention program and the clinical program. The prevention program ensures the health of babies through growth monitoring, vaccinations (10-20 weeks), and vitamin A supplementation. As for the clinical treatment for pediatric patients, there are often collaborations with specialists from other departments such as neurosurgery, burn unit, ICU, and OB-GYN to search for the most effective option that is available for the patients.



Desalegn Lemmesa, MD

Highlights of 2010

- The Department of Pediatrics at MCM has two major areas of pediatric care; the prevention program and the clinical program. The prevention program ensures the health of babies through growth monitoring, vaccinations (10-20 weeks), and vitamin A supplementation. As for the clinical treatment for pediatric patients, there are often collaborations with specialists from other departments such as neurosurgery, burn unit, ICU, and OB-GYN to search for the most effective option that is available for the patients.



Staff	
Name	Title/Special Responsibility
Desalegn Lemmesa, M.D.	Department Head of Pediatrics
Aster Bekele, M.D.	Consultant Pediatrician

Major Clinical Procedures

Although the Pediatric Department at MCM only offers services to medical patients, it is still occupied in that it usually consults about 30-40 outpatients per day. Most of the patients who come to this department have conditions such as lung diseases, gastrointestinal diseases, and ordinary fever or cough. Also, the department is responsible for examining the health of all the newborns that are produced in the delivery room. Newborns with complications or diseases are transferred to the Neonatal Intensive Care Unit (NICU) for specialized treatment.



Statistics 2010

Number of Patients Visited in 2010

Inpatients (NICU)	180 newborns
Inpatients (Delivery Room)	705 neonates examined
Outpatients (New)	2,109
Outpatients (Repeat)	4,956
Outpatients (Immunizations)	712
Total	8,662

DEPARTMENT OF ORTHOPEDICS

Overview

Orthopedic surgical service in Ethiopia is a relatively new specialty with a limited number of professionals in service. Many of the patients are unaware of this service and tend to go to local bonesetters, often causing unfortunate patients to come with disastrous complications.



Desalegn Lemmesa, MD

Highlights of 2010

- About 400 orthopedic surgeries were performed in 2010
- Addition of SIGN (Surgical Implant Generation Network) nail equipment with two orthopedists becoming certified in SIGN nail instrumentation
 - Scope of surgical treatment options increased
 - Advancement of long bone fracture care through intramedullary fixation
- Grand rounds with orthopedic residents from Addis Ababa University (AAU) every day



Staff	
Name	Title/Special Responsibility
HailuShewa-Amare, M.D.	Department Head of Orthopedics
Donald Pearson, M.D.	Consultant Orthopedic Surgeon

Major Clinical Procedures

Most of the surgeries in this department are conducted arthroscopically (minimally invasive) and involves repair of long bone fractures (femoral, ankle, forearm, elbow, humeral, etc.), dislocations, and soft tissue lesions.



Patients in 2010

Repeat Patients	2,629
New Patients	469
Inpatients	1,729
Total	4,827



DEPARTMENT OF RADIOLOGY

Overview

Since its establishment in 2004, the Radiology Department has been producing state of the art radiological images through the use of standard equipment. From the beginning, the department was outfitted with modern x-ray and ultrasound machines for routine and special examination that are required for fluoroscopic, echocardiographic, and vascular Doppler studies. The department later utilized the PACS (Picture Archiving Communication System) to help propagate the flow of patients' medical information (images) to other departments in the hospital.



Desalegn Lemmesa, MD

Highlight of 2010

- Obtained a multi detector CT scanner from General Electric (GE)
 - Provided essential medical imaging such as computed tomography, angiography, volume rendering, and 3-D techniques for patients from our hospital and other hospitals in Ethiopia



Staff

Name	Title/Special Responsibility
Solomon BerkessaBirri, M.D.	Department Head of Radiology

Major Clinical Procedures

Although the Radiology Department does not participate in the direct treatment of patients, it is responsible for gathering useful medical images for proper diagnosis and assessment of the patients' conditions. The types of examinations that are available for patients at MCM are listed below.

- CT scans
- Ultrasound
- Routine X-ray
- Fluoroscopic X-ray
- Digital Subtraction Angiography



Examinations in 2010

CT-Scan	1,924
Angiography	100
Doppler ultrasound	367
Echocardiography	384
Fluroscopy	39
Percutaneous procedure	10
Ultrasound	10,418
X-ray	14,210

Equipment List

- Fluoroscopic Machine
- Routine Radiographic Machines
- C-arm or Mobile X-ray Machines
- Digital Subtraction Angiography Machine
- Multi Detector CT Scanner (Spiral)
- Ultrasound Machines
- Computed Radiography Machine

Teaching Activities

- Training, upon request, of radiological residents from Addis Ababa University (AAU)
- Assisted many different hospitals, both governmental and non-governmental, on the operation of the spiral CT scanner from GE
- One radiologist from MCM participated in a training program at St. Merris Catholic University Hospital, Korea for 3 months
- Planning to assist physicians from needy areas such as neighboring Somalia on the use of radiological instruments



DEPARTMENT OF CLINICAL PATHOLOGY (LAB)

Overview

The MCM clinical pathology contains sophisticated lab machines that provide accurate results concerning different health-related aspects of patients. The medical information obtained from the laboratory is relayed to other departments in the hospital for better assessment of the patients' diseases.



WendwessenZewdie, BS.

Highlight of 2010

- Analyzed samples coming from the missionary hospital in Wolaita by performing thyroid function tests and fertility tests
- Acquired a new clinical chemistry analyzer in order to increase the efficiency of the laboratory



Staff

Name	Title/Special Responsibility
WendwessenZewdie, B.S.	Department Head of Laboratory
AberashGudeta, B.S.	Laboratory Technologist
TemesgenKassi, B.S.	Laboratory Technologist
TewodrosAdnew, B.S.	Laboratory Technologist

Types of Examinations Administered

- Chemistry
: Examines blood sugar, electrolytes, protein, and uric acids in the body
- Hematology
: Searches characteristics of leukemia, leukocytosis, and thrombocytosis
- Serology
: Tests for H. pylori, sexually transmitted diseases (STDs), and rheumatoid factor
- Urinalysis
: Analyzes urine samples to see which kinds of nutrients are expelled by the body

Examinations in 2010

Chemistry	65,592
Hematology	47,667
Serology	23,877
Urinalysis	14,458
Bacteriology	3,656
Parasitology	1,621

- Bacteriology
: Tests for bacterial cause of infection, diseases, and ailments
- Parasitology
: Tests to see if the body is host to any parasites such as worms and amoebas



Teaching Activities

- 20 students from governmental (Jima hospital and Ethiopian defense ministry hospital) and private medical colleges were accepted for apprenticeships
 - Trained for three months in MCM's laboratory on the subjects of phlebotomy, clinical chemistry, bacteriology, serology, hematology, parasitology, urinalysis, and hormonal analysis



DEPARTMENT OF NURSING

Overview

The Department of Nursing at MCM is an integral part of the hospital in that it deals with the responsibility of providing proper nursing care to patients.

The nurses at MCM play a pivotal role in just about every section of the hospital, from OPD to the operating room. Although there are many different types of nurses at MCM, they all have a common goal of assuring the well-being of their patients..



Mintwab Habtamu RN-BSN.

Highlight of 2010

- Department restructured by placing two nurses in supervisory positions
 - Through continuous monitoring and evaluation, the quality of the nursing care improved
 - Led to efficient distribution of nurses to other departments in need of support
- Presence of two neurosurgical nurse specialists

Staff	
Name	Title/Special Responsibility
Mintwab Habtamu RN-BSN	Department Head of Nursing
Tigist Meda RN-BSN	
Rahel Syoum RN-BSN	

Organization

The Nursing Department at MCM is generally divided into four sections.

- OPD (outpatients) – 11 nurses
- Ward (inpatients) – 30 nurses
- Surgery (OR and L/D) – 26 nurses
- Critical Care (ICU, NICU, ER) – 36 nurses



Management

The strength of this department lies in the presence of an evaluation system that is conducted by the supervisory nurses. Under this system, the supervisory nurses periodically evaluate the performance of nurses from every section (OPD, Ward, etc.) through observation. If the supervisory nurse observes that a certain procedure has been performed incorrectly or that a patient has been mistreated, the corresponding nurse would receive an oral warning followed by a formal written warning upon a second incidence.

Often, there are complaints from patients' families concerning the conditions of the patients. For this reason, the department has placed a complaint box in each ward for patients' families to express their complaints in writing. The nurses would then read the complaints and hold meetings to solve the issue appropriately. This system is effective in that the nurses don't have to be disturbed by various complaints while they are focused on doing their work.



DEPARTMENT OF PHARMACY

Overview

The objective of the MCM pharmacy is to procure safe, effective, and affordable medicines for its patients (inpatient and outpatient) and to improve the health care system of the hospital by coming up with new ideas and working techniques. The MCM pharmacy promotes rational drug use to its patients and works to continuously stock essential drugs to prevent shortages.



WendwessenZewdie, BS.

Highlight of 2010

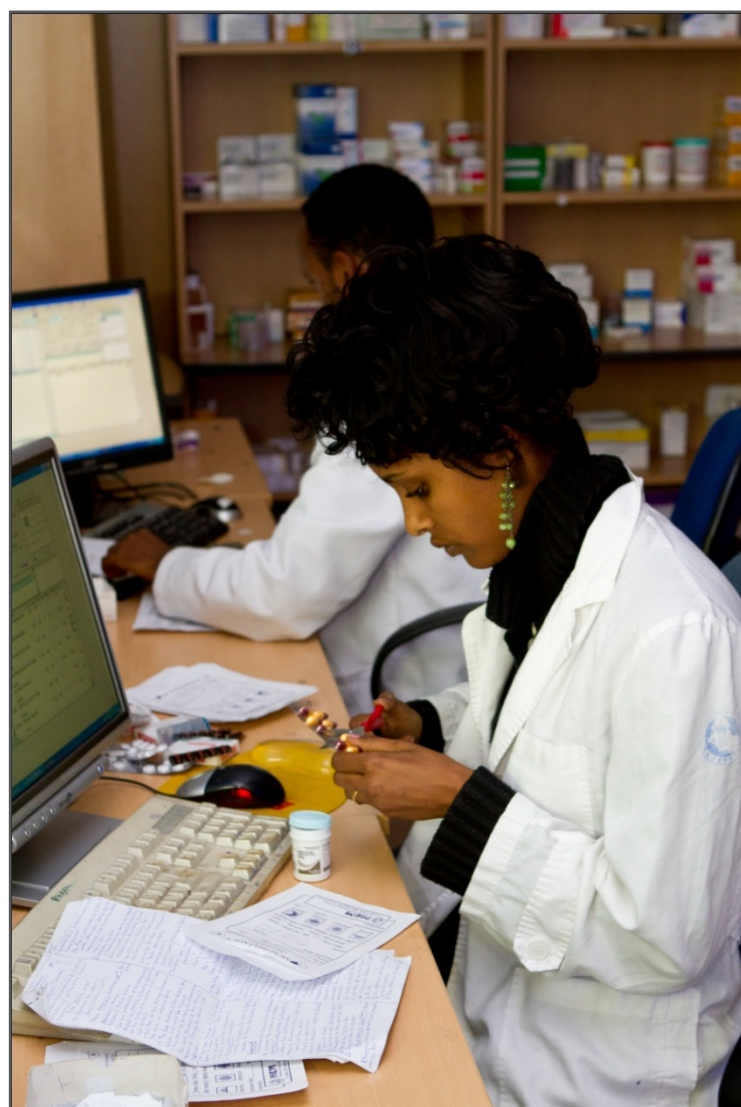
- The MCM pharmacy purchased over 6 million Birrs (\$ 370,000) of medicines through pharmaceutical funds, supply agencies, private importers of medicines, and medicine whole sellers.
- The pharmacy dispensed free antiretroviral (ARV) drugs to 700 needy patients.



Staff	
Name	Title/Special Responsibility
Zenith Seltanu, B.S.	Department Head of MCM Pharmacy
GetahunAschalew, B.S.	Head of Dispensary
MelkamGetaneh	Store Keeper
LidyaDeneke	Dispenser
WongelawitTeklew	Dispenser
AtalayMitiku	Dispenser

Top 5 Drugs in 2010

Category	Representative medicine	Num.
Anti-Ulcer	OMEPRAZOLE 20MG-CAP	67,792
Anti- Infective	AMOXICILLIN 500MG-CAP	58,739
NSAIDS	DICLOFENAC 50MG-TAB	43,762
Vitamin	VITAMIN B1 + B6 + B12-TAB	40,752
Painkiller	TRAMADOL 50MG-CAP	30,633



BURN UNIT

Overview

Although burns among children and adults are rife throughout Ethiopia, modern facilities for burns are scarce and are not available outside the capital.

With the help of CBCF(Children’s Burn Care Foundation Ethiopia), a non-profit organization that provides free services for children with burns, the pediatric burn unit at MCM treats children with chronic burns.

As for adult patients with burns as well as other patients in need of reconstructive surgery, they are admitted to the general surgery ward.



Einar Eriksen, MD.

Highlight of 2010

- There are only two other available health facilities (Yekatit 12 Hospital and Alert Hospital), other than MCM, that treats burn patients in the capital. As a result, the clinical workload placed on the burn unit at MCM was high throughout 2010.

Children admitted and operated for burns: 80

Total number of surgical procedures:210

Staff	
Name	Title/Special Responsibility
EinarEriksen, M.D	Department Head of Burn Unit

Major Clinical Procedures

Most of the patients who are admitted to this department are children suffering from chronic burns with various deformities and handicaps. These surgical patients are usually treated through some sort of reconstructive surgery such as skin grafts and various flaps. Because severe burns can often cause other complications, several other non-burn reconstructive procedures involving trauma cases, tumors, and infections are also performed on patients.

Outreach Activities

Through collaboration with the Addis Ababa based company Africa Oil, a number of patients have been brought from the Somali region, through Karamara Hospital in Jijiga, to receive treatment for burns and other traumas. Africa Oil provided the financial support throughout 2010 to make this possible. The CBCF staff, plastic surgeons, and nurse anesthetists made several visits to Karamara Hospital in Jijiga to examine patients and prepare them for transport, admission, and treatment at MCM hospital.

Facing Africa

Facing Africa is a UK based charity and humanitarian organization that strives to reach the most vulnerable of the poor, the NOMA patients, and provide them with modern medical care. NOMA is a progressive infection that rapidly destroys tissues in the face, mouth, and nose, leaving the patient in a devastating and horrible condition. Facing Africa brought highly qualified medical personnel from the UK and other European countries for two weeks to help treat complex conditions such as NOMA with reconstructive surgery.

During 2010, two missions were conducted at MCM hospital in which Ethiopian plastic surgeons were invited to participate in the operations and gain valuable experiences through teaching sessions. Several of the patients were in need of some follow up at MCM and were taken care of by the MCM plastic surgery department. Collaboration with Facing Africa was a great opportunity to bring highly qualified reconstructive surgeons to Ethiopia.

TRAUMA UNIT

Overview

The Emergency Room(ER) has most av they ear been a busy department. During festivals coming up we see a reduced number of patients. Although 25-30% of the visits to the ER are trauma patients they are in general a resource demanding group. Around 70% of the traumatize wd patients are admitted due to head injuries.

After the Trauma Room(s) have been facilitated and organized to receive all type of injuries, we feel comfortable receiving and stabilizing the trauma victim scoming to the ER. The new spiral CT machine that has been functional since February 2010 has made a huge difference intreating the trauma patients. Having a CT in the hospital that is operable 24/7 gives us an assurance of improving the services we can offer the trauma patients and patients in general.



Kjell Magne Kiplesund, MD.

Highlight of 2010

- The new spiral CT machine that has been functional since February 2010 has made a huge difference intreating the trauma patients. Having a CT in the hospital that is operable 24/7 gives us an assurance of improving the services we can offer the trauma patients and patients in general.



Staff	
Name	Title/Special Responsibility
Kjell Magne Kiplesund, M.D	Department Head of Trauma unit
Asheber Fekadu Bekele	Head nurse
Sandy Morrison	Emergency nurse
Olaug Irene Mjeltveit	Intensive Care Unit nurse

Major Clinical Procedures & Teaching Activities

Even though having the equipments and instruments available, the most important is to have a staff that is knowledgeable and concerned for the emergency patients coming to the hospital. During they are there has been regular in service training programs for the ER staff. Unfortunately several of the well trained staff left the hospital and the ER during they are. It always take time to build up the human capacity we want to offer our patients.

There has been arranged several trauma courses during they are. Around 150 nurses and doctors from MCM and other health institutions in Addis have joined the courses that are built on the ATLS principles. The trauma day are divided into a theoretical part in the

Patients in 2010

New Patients	4,421
Repeat Patients	3,995
Total	8,416

morning and then practical training with scenarios in the afternoon. We have experienced patients being saved due to the practical training given to our staff at the courses.

A week paramedic course was given to 20 nurses, and this is the first paramedic training arranged in the country.



The objectives of the training was to establish an ambulance service that really could make a difference for traumatized victims at the site as well as in the ambulance on the way to the hospital.

An increasing number of patients have been repatriated out of the country and this has been materialized through the Trauma unit. Several patients have been stabilized in the ER before an evacuation was medically possible.

Most of the staffs in the hospital have been through an organized CPR training.



DEPARTMENT OF ICU/ RECOVERY/ ASU

Overview

This department, opened in 2009, initially contained only 4 beds but has since expanded to 11 beds in order to accommodate more patients.

Most of the patients in this department come for post-operative or neurosurgical problems (hydrocephalus, subarachnoid hemorrhage, gun-shot injury, spinal injury, severe burns).

ICU : Intensive Care Unit for critical patients

Recovery Room : for pre and post-operation patients

ASU : Ambulatory Surgery Unit for ambulatory service care.



Tadesse Legesse, MD.

Staff	
Name	Title/Special Responsibility
Tadesse Legesse, M.D.	Department Head of ICU/ Recovery/ ASU

Major Clinical Activities

The Intensive Care Unit (ICU) at MC Mis responsible for treating patients requiring specialized care and monitoring. The department utilizes several methods of clinical care depending upon the condition of the patients.

- Medical ventilator care
 - Provide mechanism for breathing

- Inotrope infusion
 - Increase cardiac output
- Central Venous Catheter (CVC)
 - Administer medication and fluids into the body
- Specialized monitoring
 - Hemodynamics (blood movement)
 - Central venous pressure (CVP)
 - Respiratory (breathing)
- Specialized nursing care
 - Hourly vital sign and input-out check
 - Preventing pressure sores
 - Perineal care
 - Providing nutritional support through nasogastric Tube (NGT)-feeding, arterial blood gas analysis (ABGA), blood glucose, etc.



Equipment List

- 6 ventilators (3 of them with compressors)
- 6 syringe pumps
- 9 infusion pumps
- Mobile X-ray
- Electrocardiogram (ECG)

Patients in 2010

ICU Patients	146 63 post-operative 83 neurosurgical
Recovery Patients	About 5000 (all post-operative cases)
ASU Patients	About 800
Total Patients	About 6000

COMMUNITY OUTREACH

The Hospital and Myungsung Presbyterian Church of Korea provide aid, assistance and outreach to the local community, the region and all of Ethiopia in many different ways.

1. Needy Patients' Support

MCM supports the most needy of patients with funding for medical treatment. We receive an allocation monthly from World Together, a Korean NGO.

2. Free Mobile Clinic

From time to time MCM sends a team of doctors and other personnel to very poor areas of the country where medical care is almost non-existent. This opens an incredible door for both MCM and any visiting missionary to share God's love with those who can neither access nor afford treatment and may never had heard of our loving Savior, Jesus Christ.



In Ginchi (January)/ Welete(October) – 265 Patients

3. Free Operations

a. The 6th Free Operation - Once a year, medical specialists from Korea come to Ethiopia to give medical treatment and surgeries to the neediest patients. This medical treatment is free of charge to the patients. Otherwise, these people would never be able to afford such medical care – 8 Patients

b. Cooperation with International Medical Group
 'Facing Africa' -86 patients
 'Open Heart Surgery' - 8 patients

c. Neurosurgery (Hydrocephalus) : Neurosurgery is a very costly type of surgery. MCM has been providing this service to patients who are unable to pay. In 2010, 106 case of Hydrocephalus operations were done.

4. Free Medical treatment for Korean Veteran - 192 Patients

5. Well Drilling

Many rural areas do not have access to fresh, clean water. MID, in partnership with World Together has drilled boreholes for underground water to develop water resources for drinking, washing, bathing, and for agricultural use year-round.

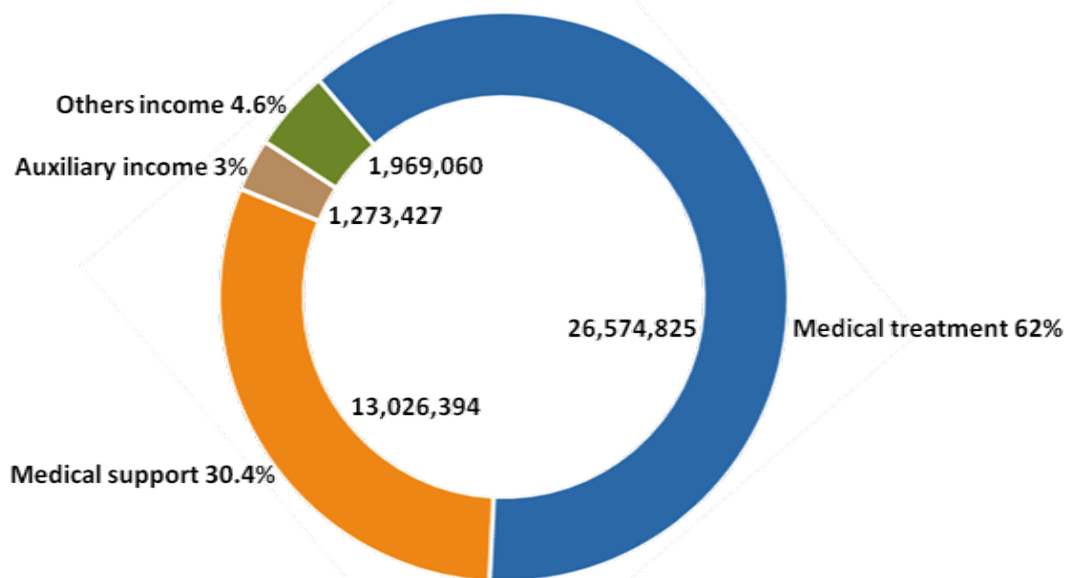


FINANCIAL AND STATISTICAL DATA

SOURCES of REVENUE (ETV)

	FY2008	FY2009	FY2010
Medical treatment	25,227,290	27,686,989	26,574,825
Medical support ¹	4,107,093	4,763,180	13,026,394
Auxiliary income ²	1,341,966	1,361,205	1,273,427
Others income ³	1,098,272	913,435	1,969,060
TOTAL SOURCES OF REVENUE	31,774,621	34,724,809	42,843,706

FY2010 SOURCES of REVENUE



¹ Includes registration fee, bed rooms for patients

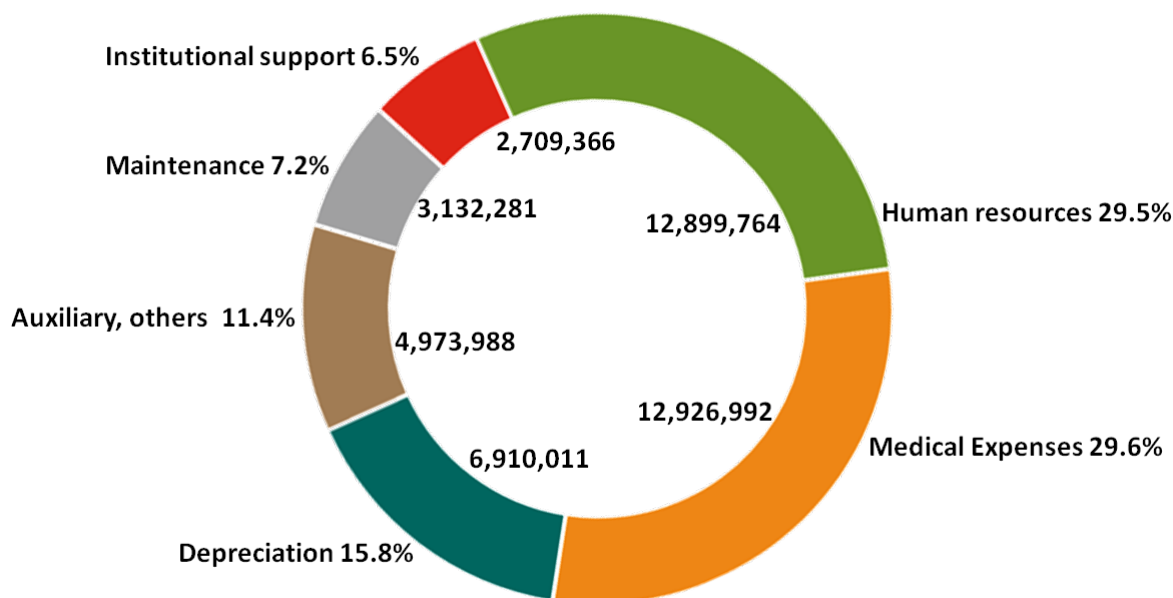
² Funds received from dining facilities, shop sales and rent sales

³ Includes death care, donation and other sources

USES of REVENUE (ETV)

	FY2008	FY2009	FY2010
Human resources	9,326,656	10,219,869	12,899,764
Medical Expenses	8,467,576	7,568,442	12,926,992
Depreciation	6,145,155	6,009,968	6,910,011
Maintenance	676,381	1,239,714	3,132,281
Auxiliary, others ¹	3,237,126	4,256,260	4,973,988
Institutional support ²	2,223,467	2,216,954	2,709,366
TOTAL USES OF REVENUE	30,076,361	31,511,207	43,552,402

FY2010 USES of REVENUE



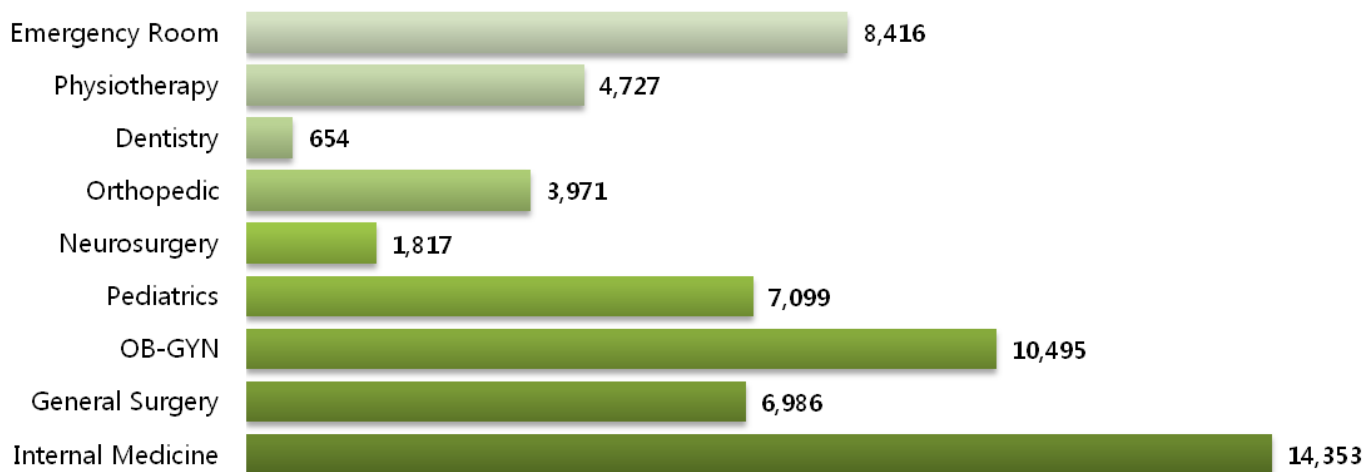
¹ Includes advertisement, taxes and duties, stationary etc.

² Support for parking, food and gift shop services, as well as general institutional support (e.g., administration, development activities).

CLINICAL PROFILE

Number of Patients	FY2008	FY2009	FY2010
Outpatient	25,527	28,183	29,198
Inpatient	67,603	68,829	67,034
Emergency Patient	5,118	6,946	8,416
TOTAL NUMBER OF PATIENTS	98,248	103,958	104,648
AVERAGE DAILY CENSUS	269	285	287

Patients in Each Department



* OB-GYN : Obstetrics and Gynecology

Surgery in 2010

	Number of Case
General	710
OB-GYN*	368
Orthopedic	218
Neuro	440
Plastic & Burn	243
ENT**	60
Vascular	50
Urosurgery	80
Ophthalmology	5
Maxillofacial	33
TOTAL NUMBER OF CASE	2,207

*OB-GYN : Obstetrics and Gynecology / **ENT : Otorhinolaryngology

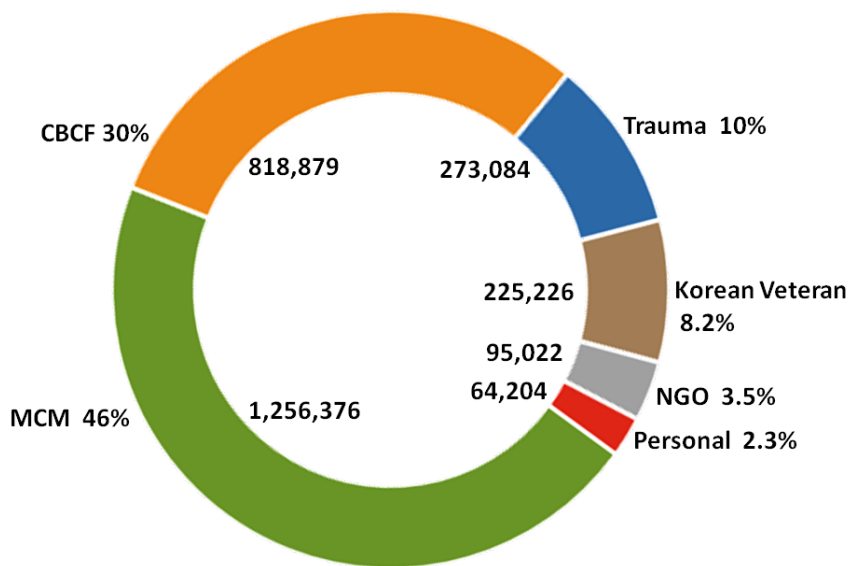
CHARITY CARE (ETV)

FY2010

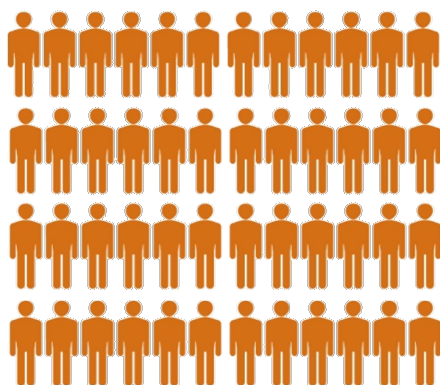
MCM*	1,256,376
CBCF**	818,879
Trauma	273,084
Korea Veteran	225,226
NGO	95,022
Personal	64,204
TOTAL	2,732,791

*MCM : Myungsung Christian Medical Center
 **CBCF : Children Burn Care Foundation

FY2010 CHARITY



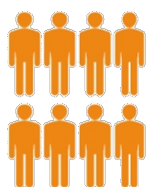
FY 2010 WORKFORCE



Total employees 321



Doctors 37



Nurses 113



Others 171



Volunteers 37



MICM

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