



MYUNG SUNG + CHRISTIAN MEDICAL CENTER

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Myung Sung Christian Medical Center 2006 Annual Report



Addis Ababa, Ethiopia



Welcome to the Myungsung Christian Medical Center

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 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, Korean professionals come once a year to provide free medical care to the neediest of 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.

Our Mission

The mission of MCM is to show the love of Christ Jesus by serving the medically disadvantaged population in Ethiopia in conjunction with other mission organizations and the evangelical churches of Ethiopia. It is our hope that, in doing so, people may attain eternal life which is given to all who accept Jesus Christ as their Lord and Savior.

Our Vision

The vision of the Myungsung Christian Medical Center (MCM) is to see a self-sustained Ethiopian community by providing compassionate health care and community development projects in the name of Jesus Christ.

MCM’s Purpose

To provide quality training and clinical care and to increase health service coverage in Ethiopia.

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CHANGES AND DEVELOPMENTS

MCM has undergone many changes this year. Some of the changes include additional equipment and personnel in MCM's neurology department and physical therapy department. Also, the NICU (Neonatal Intensive Care Unit) was newly built this year, and was soon operating at capacity to take care of premature babies in distress. The NICU department is already making plans to acquire new equipment, and hopefully, increase its space.

We have also seen the beginning of the construction of MCM's new laundry and training facility. Moving the laundry to outside the hospital will free up badly needed space in the main building. The training facility will be used for training our growing staff of many different disciplines.

On top of these developments, MCM has received new equipment, such as its C-arm fluoroscope, panorama X-ray machine, patient monitors, and various others.

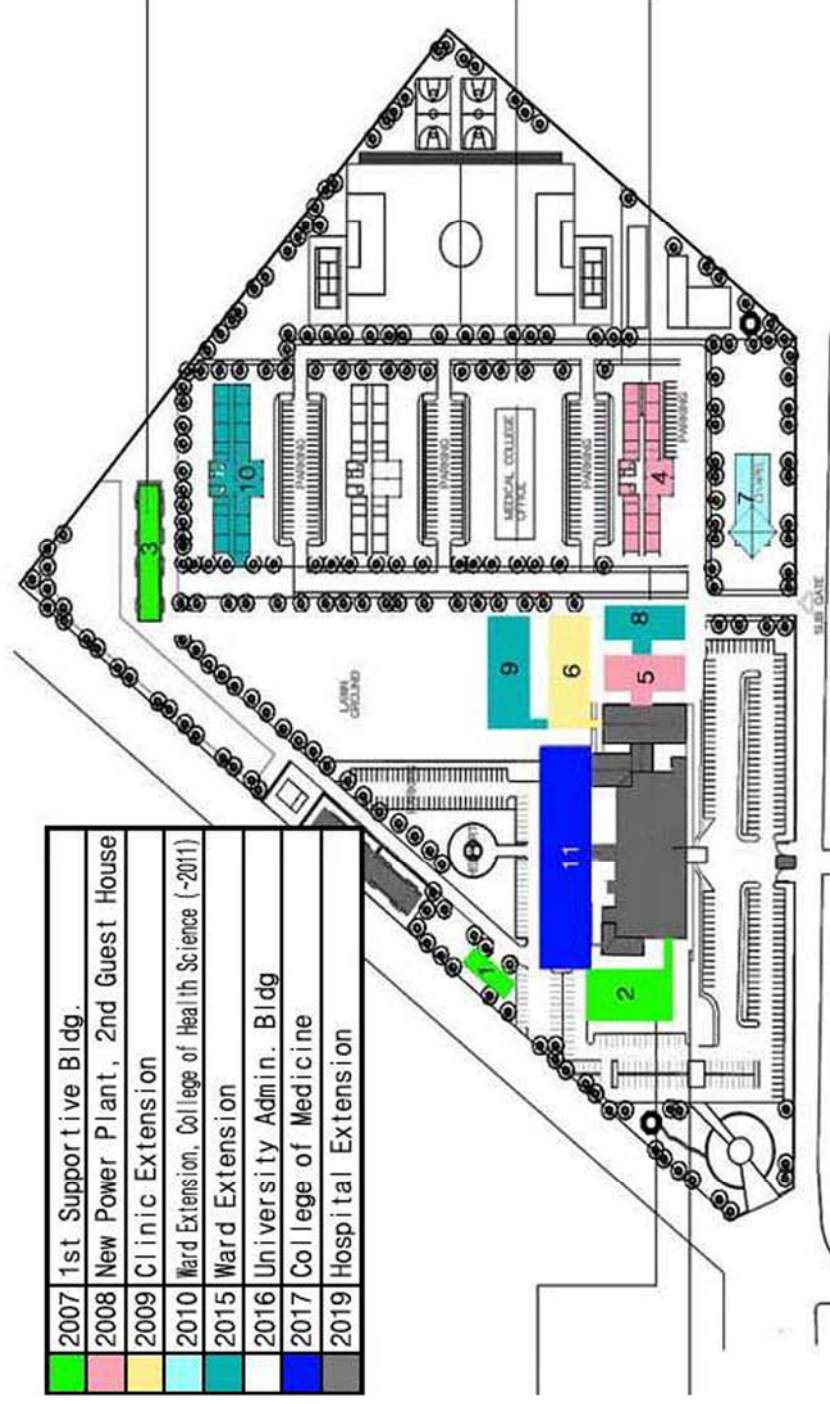
In addition to the equipment and new departments, a number of volunteers and staff have come from abroad, including doctors, nurses, a dietician, specialists, and administrators.

MCM plans to grow even more and has yet to embark upon all of its plans for future growth and development. Some of our plans for the future include a second guest house, a nurses' college, a trauma center, clinic extension, a college of medicine, and expansion to over 500 beds.

Construction of new laundry room/training center



2007	1st Supportive Bldg.
2008	New Power Plant, 2nd Guest House
2009	Clinic Extension
2010	Ward Extension, College of Health Science (~2011)
2015	Ward Extension
2016	University Admin. Bldg
2017	College of Medicine
2019	Hospital Extension



OUTPATIENT SERVICES

Lining the walls of a long hallway are 16 examination rooms, each equipped with modern examination tables and staffed with a specialist and/or general practitioner. This is MCM's outpatient department.

The outpatient department is a very busy place, especially on Monday mornings, reflecting the pent-up demand from the weekend. Patients come from all over Addis Ababa and the countryside to receive medical treatment at MCM. Most of our doctors work every weekday and Saturdays, and are on call 24 hours a day. This is unique to MCM, as doctors in most other Ethiopian Hospitals are off on weekends.



Outpatients waiting their turns to see the doctor.

OUTPATIENT DOCTORS

- General Practitioners: 9
- Specialists: 15

OUTPATIENT VISITS IN 2006

New Patients: 19,923
Repeat Patients: 22,823

PEDIATRIC SERVICES

MCM's pediatric department works hard to make sure that children, who come to MCM receive the best care possible. Our pediatricians encounter many cases every day, ranging from tuberculosis to a mere stomach ache. With stethoscope in hand, their training and experience behind them, our pediatricians are ready to diagnose the children's illnesses, and recommend their treatments.

TOP 5 REASONS FOR PEDIATRIC VISITS

- Upper Respiratory Tract Infection
- Acute Otitis Media
- Gastroenteritis
- Tonsillitis
- Newborn Check-up

A pediatrician performs a routine check-up on a baby



LABOR AND DELIVERY AND NICU



One of the babies in the NICU is carefully and lovingly fed by a nurse

MCM provides 24-hour service and obstetrician coverage for laboring mothers. Many of our patients have high-risk pregnancies. Some of them are refer-

als from other hospitals. To care for at-risk patients, we have obstetricians and nurses trained in high-risk treatment.

Following delivery, the new NICU (Neonatal Intensive Care Unit) is available with 24-hour coverage by pediatricians and nurses specially trained to care for those babies in need.

In addition we have a lactation consultant who can handle difficult breastfeeding challenges and training. This lactation service is for both in-hospital patients and those in the community.

Soon we expect to begin offering prenatal education for new mothers and their families who desire help preparing for the birth of their children.

EMERGENCY ROOM

The setting of the emergency room allows for our ambulance to easily transport patients from accidents, and even other hospitals. Our ER can simultaneously accommodate up to 8 patients. Each hospital bed has a centralized supply of oxygen and vacuum suction. Also available are patient monitors, defibrillators, EKGs, nebulizers, portable X-rays, and the necessary emergency drugs. There is always a senior nurse and a general practitioner on standby, and specialists are on call to attend to a medical emergency.

Furthermore, we have good coordination among other departments within our hospital, enabling us to quickly move a patient to the appropriate department upon admittance. These factors, in addition to our minor operations room (to ease traffic in the OR for major operations), allows MCM to quickly and effectively respond to emergencies.



Two of our senior nurses and a volunteer nurse responding to an emergency case

Common ER Cases

- Traffic Accidents
- Acute Bronchial Asthma
- Acute Gastro Enteritis
- Hypertensive Strokes
- Diabetic Ketoacidosis
- Myocardial Infarctions (Heart Attacks)
- Congestive Heart Failures
- Acute Febrile Illnesses
- Soft Tissue Damage

LABORATORY

With a well-trained staff, and modern equipment, the lab meets most of the day-to-day laboratory examination needs at MCM. Whether they are performing blood, urine, stool, or any other kind of test, our team of lab technicians works diligently to expedite the results and disseminate that information to the pertinent departments through the office communication system network.



Lab Tests Done	
Test Type	Comments
Hematology	Major hematological problems include, leukemia, leukocytosis/leukopenia, and thrombocytosis
Chemistry	For examining bodily chemicals such as blood sugar, electrolytes, protein, and uric acids
Urinalysis	Analyzes urine samples to see what kinds of nutrients are expelled by the body, (good indication of what people ate/drank, are not digesting properly)
Parasitology	Tests to see if the body is host to any parasites, such as hookworms and amoebas
Serology	Includes tests for H. pylori , STDs, rheumatoid factor, and semen analysis
Bacteriology	Tests for any bacterial cause of infection, diseases, and common ailments. Also used to rule out viral causes
Blood Transfusion	For testing blood types of patients and donors, cross-matching, and detecting hepatitis and HIV

RADIOLOGY

Our radiology department provides support to our other clinical departments. It uses state-of-the-art equipment to investigate internal patient complaints using everything from X-Rays to Angiograms. This department also trains interns from nearby colleges by giving them hands on experience in using these machines.

TYPES OF EXAMINATIONS AVAILABLE

- Angiogram
- Brain Endoscope
- C-arm Fluoroscope
- CAT Scan
- Doppler Ultrasound
- Fluoroscope
- Microscope X-Ray
- Portable X-Ray
- X-Ray

RADIOLOGISTS USE THE ANGIOGRAM ON A PATIENT



GENERAL SURGERY



MCM has four operating theaters outfitted with modern instruments, tables, lights, anesthesia machines, and oxygen tanks. They are supplied by our Central Supply Room which provides supplies and sterilization for all of MCM's departments.

All types of general surgeries (both major and minor) are possible in our operating rooms. The quality and experience of our staff, along with the modern and clean operating rooms are some of the major reasons why our surgery department is excellent. Operations are performed by both foreign as well as Ethiopian surgeons. We benefit a lot from expatriate health

Top 10 Major and Minor Surgeries	
Major	Minor
1. Cholecystectomy	1. Cystoscopy
2. Prostatectomy	2. Cyst Excision
3. Appendectomy	3. Circumcision
4. Ventriculoperitoneal Shunt	4. Lipoma Excision
5. Herniorrhaphy	5. Optical Uretroscopy
6. Hemorrhoidectomy	6. Incision and Drainage
7. C-Section	7. Suturing
8. Hysterectomy	8. Breast Mass Excision
9. Thyroidectomy	9. Manipulation Under Anesthesia
10. Mastectomy	10. Corn Excision

professionals by means of knowledge transfer and hands-on training for our local staff.

ICU/RECOVERY/ASU

ICU (Intensive Care Unit)

The ICU at MCM is used for the most critical of patients. It is equipped with a centralized, 24 hour oxygen, vacuum supply unit, and two ventilators. There are 5 beds in this unit, each with its own patient monitor.

Recovery Room

Patients are moved to and from the surgical ward to the OR (Operating Room) by a stretcher cart. The recovery room is used for pre and post-operations. Patients will stay here for stabilization or monitoring until they are able to move to the ward.

ASU (Ambulatory Surgery Unit)

There is a bed for ambulatory service care. Minor procedures on an outpatient level are done on patients in

this care unit. After this procedure, the patient is discharged within the same day



A patient recovering in the ICU

INPATIENT SERVICES

Inpatient services consist of three wards, the medical ward, surgical ward and the pediatrics ward.

Round-the-clock care is given by nurses and aides. All other staff are on call 24 hours a day.

Patients and some family members in a third class ward room



We have four types of ward rooms in our hospital, third class room (holds five patients per room), second class room (holds two patients per room), first class room (holds one patient), and the VIP room (an exclusive suite). Though the level of privacy differs from each class, the standard of hygiene and cleanliness is assured across the board.

Visits by family members and friends are severely limited, in an attempt to eliminate as much dirt and bacterial contamination as possible. Family members are not allowed to bring food, clothing, etc. for the same reasons. However, these essentials are provided by the hospital.

INPATIENT STATISTICS

Number of Admissions:	3,047
Number Discharged:	3,011
Average Days per Stay	5-6
Deaths in Wards:	101

TOP 5 REASONS FOR ADMISSION TO EACH WARD*

Ward	1st	2nd	3rd	4th	5th
Surgical Ward	Cholelithiasis	Goiter	Nephrolithiasis	Cleft Lip	Hydrocephalus
Medical Ward	HIV related	Pneumonia	Tuberculosis	Acute Gastroenteritis	Liver Disease
Pediatrics Ward	Hydrocephalus	Pneumonia	Status Asthmaticus	Gastroenteritis with Severe Dehydration	Orthopedic cases (ex: fractures, club foot)

*above information is based on doctors' observations

PHYSICAL THERAPY

Upon entering MCM's physical therapy room, one is put to ease by soothing music. And upon seeing the nurses (usually tending to a patient behind a curtain) one notes their friendliness, and gentleness.

This is because our physical therapy room is designed to bring relaxation and soothing relief to patients who suffer from injuries and handicaps. Our physical therapist and her assistant provide many types of Western therapy.

In addition to our traditional Western style therapeutic practices, one of our doctors provides a more Eastern style massage therapy, designed to increase blood flow to key areas in order to increase the health of an organ, or body part. It is known as Acupressure, or energy mobilization treatment (EMT).



One of our doctors providing an acupuncture-based massage therapy

STAFF

The Hospital is fully staffed with competent clinical staff, along with specialists in Administration, Finance, Maintenance, Computer Support, etc. The attached table shows the complete make-up of the Hospital staff. Amazingly, to cover the health-care needs of our growing client base, we have grown to nearly 300 people on our staff.

In addition to the twenty-five doctors listed in the attached table, there is an approximately equal number of doctors who are working part-time or on-call.

MCM STAFF PROFILE			
Job Title	No.	Job Title	No.
Physicians	25	Pharmacy	7
Medical Director	1	Pharmacists	2
Asst. Med. Director	1	Druggists	5
Anesthesiologist	1	Radiology	6
Obstetrician /		Radiographers	2
Gynecologist	2	Clerks and Dark	
Radiologist	2	Room Workers	4
Physiotherapist	1	Laboratory	12
Pediatrician	2	Lab Head	1
Surgeon	3	Lab Technicians	11
Internist	1	Nursing Staff	94
Neuropsychiatrist	1	Anesthetists	3
Orthopedic Surgeon	1	Matron	1
Gen. Practitioner	9	Asst. Matron	1
Administration	40	Nurses	83
Administrator	1	Midwives	5
Chief Oper. Officer	1	Ward Clerk	1
Chaplain's Office	3	General Service	89
Logistics Officer	1	General Service	
Finance Supervisors	3	Officer	1
Accountants	3	Dietician	1
Personnel Officers	4	Drivers	4
Storekeepers	2	Kitchen Workers	13
Account Clerks & Cashiers	9	Laundry	8
Receptionist	1	Sanitarian	1
Medical Records	2	Porters	5
Secretaries	6	Security Guards	21
Purchasers	2	Gardeners	5
Maintenance Chief	1	Janitors	22
Computer Specialist	1	Phone Operators	2
		Maintenance	6



DENTAL SERVICES

MCM has two dentists on staff on Monday and Wednesday afternoons and Saturday mornings. On these days, the office is usually crowded with patients seeking dental treatment. Also, a dentist will come in upon special request from our customers.

Our dentists work not only at MCM, but also accompany our mobile clinics to give free oral care, and to repair cleft lips for the neediest of patients.

Because dental services are not often found in a hospital setting, we feel blessed to be able to offer such a service.



One of our dentists works with a volunteer missionary on a patient benefiting from our mobile clinic

PHARMACY

The Pharmacy at MCM is well stocked to provide various medication to our outpatients and internal wards. We do occasionally receive donations of medicines from abroad. However, the majority is purchased within Ethiopia from those available according to the pharmaceutical formulary of the country.



Below is a chart listing our most popular drug categories along with the most common drug of that category.

Rank	Top Drug Categories	Most Popular Drug in Category
1	Anti-ulcer	Omeprazole
2	Antibiotic	Amoxicillin
3	Analgesic	Ibuprofen
4	Anti-Inflammatory	Diclofenac
5	Cardiovascular	Digoxin

GENERAL SURGERY

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

A. Needy Patients' Support

MCM supports the most needy of patients with funding for medical treatment. We receive an allocation monthly from World Together. In addition, we use one third of the money we receive as offerings from our Sunday worship service.

Patients Helped:

Nov. 2004 to Dec. 2005: 748
2006: 1,323



Dr. Phillip checking a patient's eye

B. Mobile Clinics

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 team to share God's love to those who can neither access nor afford treatment and may never had heard of our loving Savior, Jesus Christ.

C. Free Operations

Once a year, medical specialists from Korea come to Ethiopia to give medical treatment and surgeries to the neediest patients at our hospital. This medical treatment is free of charge to the patient. Otherwise, these people would never be able to afford such medical care.

Free Operations Given

2005: 49 operations
2006: 40 operations

D. Well Drilling

Many rural areas do not have access to fresh, clean water. MCM, in partnership with World Together, is drilling for underground water to develop water resources for drinking, washing, bathing, and for agricultural use year-round. Previously, these people had to get their water from streams or in-ground springs.

E. YDBB (Yewongel Dimts Betakristeyan—Voice of the Gospel Church)

YDBB is a missions-based program sponsored by Myungsung Church which supports church building and gives aid to existing churches. Another spiritual aspect to YDBB is that we pray for our patients whenever we can. There is a constantly updated list of patients whom we encourage hospital staff to pray for. In addition, we have a Sunday school for Ethiopian children each Sunday where we give them Christian educations. Several of the Sunday School children sing in the Children's Choir.

YDBB Churches Planted To-Date: 7

F. Church Help / Church Planting

MCM also gives considerable money for helping other Ethiopian churches and with church planting.

Helped in 2006:

Kale Hiwot denomination churches helped: 5
Ethiopia Presbyterian churches helped: 5



Pastor Lee with members of newly planted church.

G. Dental Treatment

Our Hospital also provides free dental care to those patients who need it and can't afford it. Dentist Dr. Lee from Korea treated many patients at no charge.

ABOUT MCM AND ETHIOPIA

About Addis Ababa

The capital of Ethiopia, Addis Ababa, is not only the seat of the central government, but also of the African Union, making it the diplomatic capital of Africa. The city also hosts many international non-governmental organizations. As Ethiopia is already rich in its ethnic diversity, the meeting point for the population and heads of African states is Addis Ababa. The city enjoys a temperate climate as it is situated on a highland plateau 2,200 to 2,600 meters (7,500 ft.-8,000 ft.), above sea level. The maximum temperature is 26o C (80o F) and minimum 4o C (40o F). The weather is usually sunny and dry with the short rains occurring February-April and the primary rainy season beginning in mid-June and ending at the end of September.

Brief History of MCM

Relations between Korea and Ethiopia grew closer during the Korean civil war in 1950-53. It was during this time of intense trouble in Korea's history, that Ethiopia came to the assistance of Korea by sending its troops under U.N. leadership. This military support was of utmost importance to Korea; therefore, Koreans feel obligated to support Ethiopia in its effort to develop as a nation. As a result of Reverend Sam Hwan Kim's (senior pastor of the Myung-sung Presbyterian Church) visit to Ethiopia, a beautiful and open area of nine hectares was given to Myungsung International Development by the city of Addis Ababa in 1996 for the construction of a hospital.

DATA ON ETHIOPIA (2006)

Population:	77 million
Annual growth rate:	2.7% (106 mil. By 2020)
Population per doctor:	36,406
Population per hospital bed:	5,271
Population per nurse:	4,314
Life Expectancy:	41.2 years of age
Infant mortality:	140/1000 live births
HIV prevalence:	2-3%
Access to safe water:	37.3%
Access to Latrines:	28%
Human Resources (in service)	
Doctors:	2,115
Nurses:	17,845
Medical graduates per year:	
Specialists:	57
General Practitioners:	188
Nurses:	1,618
General Hospitals:	138
Health Care as % of Govt.	
Budget:	8.2%
Income Per Capita:	100-110 USD per year

Located in the capital city of Ethiopia, Addis Ababa, The Myungsung Christian Medical Center (MCM) started its operations on November 25, 2004. It was outfitted with top of the line facilities and has, since then, been treating an increasing number of patients. From the beginning, the objective of the hospital have been to meet the healthcare needs of the Ethiopian people and further the development of medical professionals in this struggling country.

It is by the grace of God that the Myungsung Christian Medical Center can be a small token of appreciation from Korea to Ethiopia. It is the Korean way of giving back to the community, and we hope that it will be a vessel of relief to the sick and dying. We believe that the MCM will be a tool for God's healing hand in Ethiopia.

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