

Annual Report

2005-06

Dhulikhel Hospital
Kathmandu University Teaching Hospital
Dhulikhel

Introduction:

Dhulikhel hospital is an independent, not for profit, non-government, institution which was conceived and supported by the Dhulikhel Community, as a quality health services provider. The hospital was formally opened in 1996, as a collaborative project of the Municipality of Dhulikhel, NepaliMed and the Dhulikhel Health Service Association to ensure accessibility of Primary health care services to the community. Several individuals from the community as well as foreign residents and visitors also supported the project through donations of land, money and services. The hospital is also the teaching hospital of Kathmandu University.

The hospital covers the population of approximately 1.9 million people from Kavrepalanchowk, Sindhuli, Dolakha Sindhupalchowk, Ramechhap, Kathmandu, Lalitpur, Bhaktapur and surrounding Districts. The hospital received the highest social services "Tulsimehar Award" in recognition of its excellent work in the social sector by the Government of Nepal. Dhulikhel hospital is guided by the principle of social equity, sustainable development and harmony with nature. Through its trained staff, it provides cost effective, compassionate and quality health care services. The hospital believes in the fact that quality health services need not always be an expensive commodity limited to those who are rich enough to afford.

The hospital services are being organized as follows:

MEDICAL DIVISION

A. Medical Department:

There are six consultant physicians working in this department. The services are provided daily on 24 hour basis through emergency, out patient and in-patient settings. Last year 11963 patients from OPD and 1115 patients from medical wards were provided services from this department. From September 2006, medical ward is operating with 50 beds, which will be further upgraded in near future.

Services provided under medical department are:

- i. Internal medicine
- ii. Infections diseases
- iii. Skin and venereal diseases
- iv. Respiratory medicine
- v. Cardiology services
- vi. Psychiatry
- vii. Nephrology/neurology
- viii. Diagnostic/therapeutic services
 - a. Gastroscopy /colonoscopy/ERCP
 - b. Bronchoscopy
 - c. Aspiration cytology
 - d. ECG/ECHO services

List of working faculties:

Dr. TRS Bedi MBBS, MD
Dr. N. Sharma, MBBS, Ph.D (CTM)
Dr. Puspa P. Sharma, MBBS, MD (Psychiatry)
Dr. R. Koju, MBBS, MD (Cardiology)
Dr. Om Prakash Adhikari, MBBS, MD
Dr. Biraj M. Karmacharya, MBBS, M.Sc (Infectious Disease)
Dr. Ram Gurung, MBBS, MD

On Post graduate study (MD) medicine:

Dr. Baburam Pokharel (Internal Medicine)
Dr. Pankaj Pant (Internal Medicine)
Dr. Arun Sedhain (Internal Medicine)
Dr. Dharmendra K. Karna (Dermatology)
Dr. Amit Amatya (MD Dermatology)
Dr. Eliz Aryal (MD Dermatology)

Publications: See Annex -I

B. Department of Surgery:

There are 5 full time and part time surgeons working in this department. In 2005-06 total of 8214 patients in OPD and 1904 in wards were treated from DOS. Well equipped operation theatre block with provision for ICU and anesthetic services are available on 24 hour basis. Available beds: 58 which will be further upgraded in 2007.

Services regularly provided:

- i. General surgery
- ii. Urology
- iii. Laparoscopy surgery
- iv. Cystoscopy/TURP/TURBT/PCNL
- v. Other diagnostic / therapeutic surgical services
- vi. Emergency surgeries

List of working faculties:

Dr. Ram KM Shrestha, MD (Fracharzt fur Allgemeine Chirurgie)
Dr. Raj K. Chhetri, MBBS, MS
Dr. Hem Nath Joshi, MBBS, MS
Dr. Ajit Shrestha, MBBS, MS
Dr. Nabin Pokharel, MBBS, MS

On Post graduate study (MS)

Dr. Balaram Malla - returning in 2008

Publication: See Annex – I

C. Department of Obstetrics and Gyenaecology (OBGYN):

There are 4 full time Gynecologists working in this department. Last year a total of 12641 patients from OPD and 1411 from wards were provided services. Beds available: 40 which will be upgraded in 2007.

Regularly following services are being provided:

- i. Family planning, maternal and child health
- ii. (Education, counseling and preventive services)
- iii. Antenatal, intranatal and postnatal services
- iv. Emergency obstetric services
- v. Infertility counseling and therapeutic services
- vi. Diagnostic and surgical Gynecological services (for RTI)
- vii. Screening for RTIs and Tumors:
 - a. Laparoscopy surgeries
 - b. Hysteroscopy
 - c. Chromotubation
 - d. PAP smear
- v. Special package of Rs 450 for the pregnant women is being provided for the antenatal and postnatal services.

List of working faculties:

Dr. C. D. Chawla MBBS, MD, FICS
Dr. Anjana Singh Dangol, MBBS, MD
Dr. Wu Fei Shah, MBBS,DGO, FRCOG(T)
Dr. Kum Kum Vadehra,MBBS, MD
Dr. Sunila Shakya (PG resident)

On Post graduate study (MD):

Dr. Suman Tamarakar returning in 2007
Dr. Sobha Marikhu
Dr. Abha Shrestha

Publications: N/A

D. Department of Pediatrics:

There are three consultant pediatricians working in this department. Last year 7206 children from OPD and 396 from in - patient were given services.
Beds available: 40 which will be further upgraded in 2007.

Services regularly provided:

- i. General pediatric services
- ii. NICU services
- iii. Emergency pediatric services
- iv. Immunizations/ Rehabilitations
- v. Other diagnostic/ therapeutic pediatric services

List of working faculties:

Dr. RPB Shrestha MBBS, MRCP (UK)
Dr. Narayan Nepali, MBBS, MD
Dr. Ajaya Kumar Jha, MBBS, MD
Dr. Srijana Dongol (PG resident)

On Post graduate study (MD)

Dr. Shrima Shrestha - returning in 2008

Publication: N/A

E. Department of Orthopedic:

There are 2 full time orthopedic surgeons working in this department.

In 2005/06 a total of 6798 out patients and 576 In-patients were treated.

Available beds: 23

Available services:

- i. General orthopedic and trauma services
- ii. Operative orthopedic services
- iii. Diagnostic/therapeutic services
- iv. C – ARM monitored manipulations
- v. Arthroscopic services
- vi. Biopsies/ drainage

List of working faculties:

Dr. Deepak Shrestha, MBBS, MS
Dr. M. Rahulla, MD, MS

On Post graduate study (MS Ortho)

Dr. Darshan Dhoju returning in 2007

Dr. Nirajan Parajuli

Dr. Gaurav R. Dhakal

Publication: N/A

F. Department of ENT:

There are 2 ENT surgeons working in this department. A total of 3759 from OPD and 135 patients from ward were treated in 2005/06.

Services available:

- i. General ENT check up
- ii. Direct and indirect laryngoscope examinations
- iii. Diagnostic and therapeutic ENT services
- iv. Ear surgeries
- v. Nasal surgeries
- vi. Tonsillectomy
- vii. Audiometry

List of working faculties:

Dr. RCM Amatya, MBBS, MS
Dr. Meera Bista, MBBS, MS

On Post graduate study (MS):

Dr. Inku Shrestha
Dr. Bikash Shrestha

Publications:N/A

G. Department of Eye:

There are 2 consultant ophthalmologists working in this department. Last year 2756 patients were provided services.

Services available:

- i. General eye examinations
- ii. Testing visual acuity and refractive errors
- iii. Prescribing for appropriate glasses
- iv. Cataract surgery
- v. Other eye surgeries
- vi. Mobile eye camps

List of working faculties:

Dr. CR Pant, MBBS, MD
Dr. Dakki Shrepa, MBBS, MD

On Post graduate study (MD)

Dr. Purnima Rajkarnikar

H. Department of Pathology and Clinical Laboratory:

There are three consultant pathologists working in this department. The department also supervises the daily works of hospital clinical laboratory. Altogether 68551 tests and 4250 cytology/ biopsy were performed in last fiscal year.

Services available:

- i. Wide range of routine laboratory services
- ii. Hematology
- iii. Biochemistry
- iv. Microbiology
- v. Histopathology
- vi. Cytology(Fluid and Aspiration)
- vii. Blood bank services
- viii. Parasitology

Lists of working faculty:

Dr. Mohammad Ashraf, MBBS, MD
Dr. Ramesh Makaju, MBBS, MD
Dr. Sushma Bhatta, MBBS, MD

On Post Graduate study (MD Pathology)

Dr. Subhana Devkota
Dr. Ang Tschiring Sherpa

Publication: See Annex

I. Department of Radio-diagnosis:

The department provided services to 18522 patients of which 4416 were ultrasound services.

Service available:

- i. Chest x-ray
- ii. Limbs x-ray
- iii. KUB/Abdominal x-ray
- iv. PNS/skull x-ray
- v. IVP/other contrast x-ray
- vi. Soon CT Scan will be added

Faculty providing service:

Dr. Umesh Sharma, MBBS, MD (Radiology)
Mr. Sanjeev Yadav, B.Sc. (Radio-diagnosis)

On Post Graduate Study (MD)

Dr. Kirti Subash Joshi

J. Department of Anesthesia:

There are one full time and three part time anesthesiologist working in this department. Apart from that three resident medical officers are also providing anesthetic services to cover 24 hours of emergency operative and ICU care.

List of working faculty:

Dr. Jeevan Singh MBBS, MD (Full time)
Dr. Udaya Bajracharya MBBS, MD (Part time)
Dr. Sailendra Gautam MBBS, MD (Part time)
Dr. Narendra Bir Singh Basnyat MD, DA (Part time)

On post graduate study (MD):

Dr. Sangina Ranjitkar
Dr. Santosh Talchabhandel
Dr. Basanta Bhattarai

Publication: N/A

K. Department of Dental services:

Regular dental services are provided from this department with three well equipped dental chairs. Last year 3601 patients were treated.

Available services:

- i. Fillings
- ii. General Oro-dental examination
- iii. Dental extraction
- iv. Dentures
- v. Scaling
- vi. Root canal treatment
- vii. Health education and counseling on oral hygiene

Working Manpower:

Dr. Dasharath Kafle

Dr. Parsant Shrestha

On post graduate study (MS)

Dr. Chandan Upadhya returning in 2007

Dr. Manoj Humagain returning in 2008

L. Department of Community Medicine:

There are 6 full time community and public health specialist working in this department. Last year over 10,000 people benefited from its 6 outreach centers and over 50000 people received free medical and surgical treatment from mobile health camps organized in collaboration with districts health office of Kavre, Ramechhap, Dhading and Sindhupalchowk districts. In addition to that regular health camps, school health program, programs on HIV/AIDS, safer motherhood and skill birth attendants were conducted in Kavre, Sindhupalchok and Dhading districts.

Undergraduate and certificated level students along with their expert supervisor conducted family health programs, household surveys and macro and micro health projects as well.

Services provided regularly:

- i. Daily operating of outreach primary health care centers at Baluwa, Bolde-phediche, Dapcha-Kakre, Bahunepati(Sindhupalchowk) and Chhatreaurali(Dhading)
- ii. Training of women's group in income generating activities.
- iii. Organizing mobile health camps, surveys and community diagnosis
- iv. Organizing macro and micro health projects
- v. Conducting population based research works
- vi. Organizing and conducting programs on HIV/AIDS, STS/RTS and reproductive health is sues.
- vii. Regular training for skilled birth attendants(SBI)

Working faculty list:

Prof. N. P. Sinha, MBBS, MD
Dr. Sagar R. Shakya, MBBS, MD
Mr. Shital Bhandari, M Phil (Bio-statistics)
Mr. Sujan B Marahatta M.Sc (Tropical Medicine)
Mr. Kedar Manadhar, MPH
Mr. Seshananda Sanjel, MPH

On PG study (MD Comm-med):

Dr. Jagadish Chataut

M. Department of Forensic Medicine:

For medico-legal study, Forensic Medicine department under the leadership of Prof. R.K. Sharma has been functioning for last 2 years.

N. Emergency Services:

A separate emergency department function for 24 hours providing wide range of emergency medical services. Last year 3868 patients were provided services from this department. The emergency department is organized to provide 24 hours services in all type of emergency and trauma cases.

O. Department of Physiotherapy:

A full functioning physiotherapy department has been providing wide range of services both for inpatients and outpatients. The department provided services to 2942 patients last year.

In-charge: Chitra Raj Ghimire

P. Department of Pharmacy:

This department is providing 24 hrs dispensary services including processing storing and monitoring of hospital drug supply.

In-charge: Mr. Dipendra Lal Shrestha (Bizzu)

In addition to these functional departments; there are additional departments in basic sciences at Chaukot, which are being headed by the experienced professors. They are: Department of Anatomy, Biochemistry, Microbiology, Pharmacology and Physiology.

NURSING DIVISION:

Which functions on 24 hours basis under the leadership of the hospital Matron. The Matron is being assisted by ward in-charge and supervisors. There are 83 fulltime nurses working in this division. The housekeeping, cleaning and laundry are included in this division.

Nursing division chief: Ms. Bishnu Singh, MN

ADMINISTRATIVE DIVISION:

The hospital administrative division looks after the personnel and financial matters of the hospital and school. The division is headed by Chief Executive Officer and is supported by General administration, accounts, Biomedical and engineering, security and other support sections. The division is managed by Dr. N. Sharma. The division chief reports to the hospital director and the dean School of Medical Sciences and also executes the role of member secretary for health sciences executive committee, the body which is responsible for overseeing the day to day hospital and academic functions.

Leadership and administrative posts of DH-KUTH and KUSMS:

Dr. N. B Rana	Dean
Dr. Ram KM Shrestha	Associate Dean (Constituent Program) and Hospital Director
Dr. C.R. Pant	Associate Dean (Affiliate Program)
Dr. A.K. Banskota	Clinical Program Director
Dr. Nastu Sharma	Chief Executive Officer (CEO)
Prof. Kun Y. Shon	Director (Academic) Basic Sciences Program
Prof. N. P. Sinha	Director (Administration) Basic Sciences Program
Ms. Regina Singh	Nursing Education Director
Ms. Bishnu Singh	Matron
Mr. Gopal Sankar Sainju	Chief Engineer

Hospital Statistics at glance:

Dhulikhel Hospital- Kathmandu University Teaching Hospital		
2005-2006(Fiscal Year July – June)		
Statistics		
Total Services:		52166
Out Patient Department	47322	
In Patient Department	4844	
Surgery	5083	
Major	1904	
Minor	3179	
Ultrasonogram		4416
ANC (Women)		3940
Delivery (Children)		871
Immunization		1210
Family planning		1422
STI / counseling		712
Endoscopy		442
Ophthalmology Department (Eye)		2756
Pathology/Laboratory services		68551
Radiology services		18522
Dental services		3340
Echocardiography services		442
Inpatient days		24004
Number of babies with birth weight <2.5		147
Deaths in hospital		39

Community Health and Development:

Dhulikhel Hospital has been providing affordable, equitable and quality health services to the rural and unreachable communities through its own primary health centers. Local women groups are actively participating in our health and development activities under the guidance of community health department. Income generating activities including addressing the basic needs of disadvantaged groups in our six working areas are now running in third year. Through these activities, we have encouraged socially backward group of women to come forward for better opportunities for their capacity building up. So far 500 women of three districts benefited from this program. The group activities in our six outreach centers are organized fortnightly.

Manpower:

Dhulikhel hospital believes that collaboration between health care professionals is essential throughout the process of care. There are 226 full time employees including 56 doctors, 83 nurses, 40 paramedics and other staffs providing services in different departments. Also, volunteers from different countries provide services in, dental, Physiotherapy, surgery and anesthesia

Post list for 2006-2007(DH-KUTH)

	Existing	To be added
Doctors -	57	26
i. Surgeon	5	3
ii. Obs. Gyan	4	1
iii. Paediatrician	2	2
iv. Int. Medicine	6	2
v. Orthopedic surgeon	3	2
vi. ENT surgeon	2	1
vii. Eye surgeon	2	1
viii. Forensic Medicine	1	1
ix. Community Medicine	2	2
x. Pathologist	2	1
xi. Radiologist	1	1
xii. Anesthesiologist	2	4
xiii. Dermatologist/Psychologist	1	2
xiii. Medical Officers	24	3
Paramedical -	51	17
i. Lab Technologist MLT	2	1
ii. Lab Technologist BMLT	2	1
iii. Microbiologist	1	
iv. Radiographer	1	
v. Paramedics/ Technicians	45	15
Nursing -	83	47
i. Matron	1	
ii. MN Sister	0	5
iii. Sisters	1	5
iv. Supervisors	1	5
v. Staff Nurse	70	32
vi. ANM	10	
Administrative -	35	5
i. Hospital Director	1	
ii. Administrative Director	1	
iii. Other Officers	5	2
iv. Others	28	3
Total Staffs:	226	95 = 321

Training and development:

The hospital also recognizes the importance of having qualified and competent paramedical and nursing manpower to serve the long-term health needs of Nepal. Dhulikhel Medical Institute was created in 1998 through a partnership between Dhulikhel hospital and Kathmandu University with the assistance of DANIDA, Dhulikhel Municipality Quality Education Project. There are 321 students currently studying in Dhulikhel Medical Institute, in Nursing, General Medicine, Laboratory Technology, Ophthalmology and Physiotherapy. A Certificate in Health Sciences is granted by Kathmandu University after the successful completion of the three-year academic course. 206 students have already graduated from Dhulikhel Medical Institute and are providing services in different parts of Nepal.

We are also involved in training of community women in basic health care and income generation activities. Altogether 425 of them were given basic and refresher training by the hospital.

Dhulikhel Hospital has as a top priority for well-qualified and dedicated staff. The hospital has developed a human resources development plan. We have sent thirty two doctors for higher studies who will be joining us on completion of their studies in a couple of year time and some of them have already joined the hospital. Similarly a dozen nurses and four allied health sciences staff are undertaking higher studies in different specialties.

Constructions and Maintenance Works:

Timely maintenance and repair work in the main Hospital building and in the annexes are being done by our engineering and maintenance department. The extension part of the hospital building for academic activities, access road to building, kitchen, and generator house have been completed. A well-equipped modern Laboratory building is constructed where 24 hour laboratory services will be provided. As well, the hospital has mobilized its resources to construct health care centers in Bolde Phediche, Baluwa and Dapcha-Kakre in Kavre, Bahunpati in Sindhupalchok, Chhatredeurali in Dhading and Godamchaur in Lalitpur districts. The repair and maintenance work in the wastewater treatment plant was also carried out last year.

Construction of mother and child care unit as extension of main hospital building has been completed. Namaste Stiftung has been kind enough to provide the financial support for this construction which is estimated to be Euro 350,000.00. The hospital would like to extend its heart felt thanks to Namaste Stiftung for your generous contribution to make this project successful. Apart from this "Namaste Stiftung" is one of the strong believers in the Dhulikhel Hospital's mission to serve needy people of this area. Namaste Stiftung is financially and materially supporting the hospital for Bolde-phediche Health Center, School Projects in that area and support to the hospital charity fund.

Hospital Special Programs for 2006/07

1. A separate Emergency Department has been constructed which will help us to manage upto 10 emergency and trauma cases at a time.
2. The specialist services will also be available at night time.
3. Special focus on women's health will be given by providing services for screening of cervical cancers and utero-vaginal prolapse.
4. Pregnant women and children under five will be provided special health care package at a minimal cost.
5. There will be program to deal with cancers and heart diseases.
6. To celebrate the 10th Anniversary of the hospital. More mobile health camps at district and rural areas will be organized.
7. Continuing medical/nursing education (CME) activities.

Finances:

Dhulikhel Hospital is an independent, non-profit, community owned, HMG ministry of Health licensed health services provider. The motto of the hospital is to provide compassionate, quality and affordable services to those in need, mainly the poor and the underprivileged groups. One can enter into the system seeing any doctor including specialists by paying Nrs 15 and a follow up fee of just Nrs 10. For those who cannot afford it, we provide them charity services. Last year 6.1 million rupees of charity services were given to 2600 poor patients which are 15 % approximately of hospital operational revenue.

The hospital total operational and non-operational income for 2005-2006 was approximately 81.4 million rupees. It's total operational and overhead expenditure was approximately 85.6 million rupees. The deficit was adjusted from funds received in cash or kind by our donors and from the interest earned on hospital seed money. The auditing of 2005-2006 fiscal year is on the process.

Future Plans:

Dhulikhel Hospital project Agreement has been signed with the Social Welfare Council in 2004 after getting approval from the Ministry of Health, Women, Ministry of Children and Social Welfare, Ministry of Home affairs and National Planning Commission. Extension construction works are undertaking which will increase hospital bed capacity to take care of needy patients. Construction of a new OPD and Dapcha Health Centre building have been just completed. The hospital is functioning as full fledged teaching hospital from September 2006.

In the mean time, the community concept of the hospital will be expanded to rural areas by providing comprehensive community health care services through our own Primary Health Care Centres in Kavre, Sindhupalchok and Dhading. The hospital will be actively promoting the concept of public private NGO partnership in quality health care delivery to poor and vulnerable group in central Nepal by working together with Government hospital and health institutions in coming days.

I would like to thank all NepaliMeds, Namaste Stiftung, the Government of Nepal, Agencies, land donors, individuals and friends, foreign residents, suppliers and visitors who support us with their open heart and trust in our endeavors. We will continue to work hard through our committed team to provide quality, compassionate and sustainable health services to the people of Nepal.

Thank you,

Submitted By:

Dr. N. Sharma, MBBS, D(obs) RCOG, MPH, Ph.D

Chief Executive Officer

Dhulikhel Hospital – Kathmandu University Teaching Hospital