Response of Dhulikhel Hospital after Earthquake in Nepal, 2015

Sulekha Shrestha
Nursing Supervisor,
Dhulikhel Hospital, KUH
Map of Nepal

NEPAL
(Boundaries and Municipalities)

Legend

- Metropolitan City
- Sub-metropolitan City
- Municipality

Boundaries (Topo, 1:10,000,000)

International
Regional
District

1. Kathmandu (Metropolitan City)
2. Kirtipur Municipality
3. Lalitpur Sub-metropolitan City
4. Bhaktapur Municipality
5. Madhyapur (Thimi) Municipality

Far Western
Mid Western
Western
Central
Eastern

a. Kathmandu
b. Lalitpur
c. Bhaktapur

DH
Leadership of Dr. Ram and Dr. Koju
Location of Hospital before 1996
Milestone
The Big Day!!!
DHULIKHEL HOSPITAL-KATHMANDU UNIVERSITY HOSPITAL

University Hospital
Since 2004
DHULIKHEL HOSPITAL
Kathmandu University Hospital

- An independent, not for profit, non-government institution.
- Based on the principle of social equity and quality health care
- Started with 50 beds and now has 375 beds.
Contd...

- It provides health services to approximately 1.9 million population of Nepal.

- Districts: Kavre, Sindhupalchowk, Dolakha, Sindhuli, Ramechap, Bhaktapur, Kathmandu.

- University hospital for all the medical, nursing, physiotherapy programs, run under the collaboration with Kathmandu University.
Dhulikhel Hospital Motto

“Quality service to the poor.”
Major Earthquake

25 April: 7.8 magnitude

12 May: 7.3 magnitude
Epicenter of Saturday’s 7.8-magnitude earthquake

Sources: USGS (earthquakes); U.N. OCHA (households); Nepal’s Home Ministry (aid)
Earthquake Victims at the Hospital
Means of Transportation
Means of Transportation
Local Resources
Volunteers
April 25th, The First Day
Work Division
Triage of the victims
Color Coding of Survivors
Children were the most vulnerable
Treatment started as soon as possible
Utilization of Hospital Ground
Green Zone Patients
## OR List for the day

**SN** | **NAME** | **Age/ Sex** | **Diagnosis** | **Operation** | **Anesthesia**
---|---|---|---|---|---
13 | Devi Prasad Lamsingha | 48/M | RT Distal Radius # | CRPP | 
14 | Bindu Toraju | 42/F | RL Distal Humerus # | ORIF & Blating | 
15 | Sabina Takra | 34/F | LT Medial Malheureux | ORIF & TBN | 
16 | Anil Shrestha | 37/M | Wound Overdrem of mid foot | STSG | 
17 | Sujit Tamang | 36/M | Distal forearm BB # | CRPP | 
18 | Sunan Tamang | 32/M | RL Distal Shaft of radius # | ORIF & Plating | 
19 | Ustav Bhandari | 27/M | Calcaneum # | ORIF & Plating | 
20 | Bodhri Mainali | 22/M | Bimalleolar # | Recon Plating | 

---

**NOTE:**

- **Evening -** Sumita, Kudasita, Sonita, Sagarita, Sheela, etc.
- **Post op:** Ashita, Bishop, Tejashri
- ** Packing:** Juna

---

**OR List for the day**

**SN** | **Name** | **Age/ Sex** | **Diagnosis** | **Operation** | **Anesthesia**
---|---|---|---|---|---
37 | Gyaloju Lama | 77/M | Gallezi # dislocation | ORIF & DCP | 
38 | Bageshwar Giri | 64/M | LL SPRAC injury | ORIF & DCP | 
39 | Ganga Sita | 50/P | Distal RT Tfibial fracture | ORIF & DCP | 
40 | Sita BK | 58/M | LL compression fracture incomplete neurology | ORIF & DCP | 
41 | Mahak Bakr Gurung | 50/M | Leysia A/A post Plating for Lt S/F | ORIF & DCP | 
42 | Pradom Bhr Tamang | 54/M | Distchane # intra neurology | ORIF & DCP | 
43 | Sumantha Tamang | 18/F | Leysia A/A neurology | ORIF & DCP | 

---

**ON CALL DUTY:** Dr. Ram, Dr. Rabin

- Ortho: Himanshu, Khushil, Sunil
- Neuro: Pooval, Lakshmi, Sunil
- ENT: Praveen, Sushil, Sunil

**Post op:**

- Ashima
- Meena
- Rekha
- Nisha
External Fixator
Skeletal Traction
Flap Surgery and skin grafting
Vertebral # Management
12 May 2015, Aftershock 7.3
STASTISTICS
Number of Operation Performed: 549

- 1st Week: 141
- 2nd Week: 140
- 3rd Week: 91
- 4th Week: 68
- 5th Week: 59
- 6th & 7th Week: 50
Age group classification of operated cases: 549

- CHILD (Upto 16 years): 129
- ADULT (16-60 years): 343
- ELDERLY (> 60 years): 77
Classification of the Injuries sustained

- Tibia #: 136
- Femur #: 87
- Upper Extremity #: 55
- Spine: 30
- Pelvis: 13
- Joint Dislocation: 20
- Crush Injury/RAW Wound: 86
- Others: 122
“Inpatient Bed Management”

Where did all beds come from?
“Inpatient Bed Management”
Patients’ Care
Physiotherapy
Food Provision to the Patient & Family
Food Provision to the Patient & Family
Cleanliness of Surroundings and Hospital
Out Reach Centers
Relief package contained:

- Tarpaulin
- Mattress
- Blanket
- Cooking utensils
- PLASTIC Bucket
- Plate, drinking glass
- Rice
- Lentils
- Spices
- Salt Sugar
- Vegetable oil
- Noodles
- Track suit
- Sandal
- Towel
- Hygiene set (toothpaste, toothbrush, comb, soap)
- Other items: glucose, biscuits, beaten rice, sanitary pads
Disaster Management in Hospital

- Physical Structure
- Transportation
- Supplies
- Communication
- Human Resources
- Access
- Water
- Space
"This is a war without enemy which caused widespread loss of lives and destruction" says Vice Chancellor of Kathmandu University.

It is now time to rally around and bounce back. We need to take charge and change where and when we can.

Prof. Dr Ram Kantha Makaju Shrestha
Vice Chancellor, KU
Innocent Faces
Learning from the Experience

● Disaster Plan
● Disaster Response Team
● Warehouse for the storage of emergency supplies
● Extensive training on:
  ✓ Basic life support,
  ✓ Primary trauma care,
  ✓ Rural trauma team development
Acknowledgement

The Government of Nepal
Ministry of Health and Population, Nepal

Nepal Army

Nepal Police

District Administrative Office, Kavre

District Police Office, Kavre

Dhulikhel Community

National and International Supporters

National and International Media
Thank You So Much!