



REPORT ON JIYA* TREATMENT IN GANGALAL HOSPITAL, KATHMANDU

Submitted by: SWAN Nepal

Date: March, 2023

1. Background:

Humla is one of the poorest & most remote districts in Nepal. The area is still facing major challenges in education, infrastructure & health. SWAN organized a free health check-up camp in Sarkegad Rural Municipality of Humla from November 28 to 30, 2022. The main purpose of the health-camp was to provide free consultation, treatment, diagnosis, and referral in a bid to benefit the disadvantaged people of the remote community who are even deprived of basic medical services. A total of two doctors; Dr. Prakash Karki, and Dr. Dipendra Timilsina saw 549 patients (75% women) during the camp. At the camp, there were also 18 local volunteers to facilitate the people on the ground. Besides helping & treating a number of patients, this Health Camp has brought attention to the existence of the health facility in Sarkegad and to the topic of basic hygiene and health as preventative measures for sickness.

Main highlight of the health-camp was to bring 10 years old Jiya* with Rheumatic heart disease to the Gangalal Cardiac Hospital in Kathmandu for a comprehensive treatment.



Jiya* on the day on admission at hospital

Date of Health camp: November 28-30, 2022
Place: Sarkegad Rural Municipality, Humla
Name of Patient: Jaya Lakshmi Nepali
Age: 10 years old
Hospital: Sahid Gangalal National Heart Centre, Kathmandu
Date of admission: 20/08/2079 | 06/12/2022
Date of Surgery: 19/09/2079 | 03/01/2023
Date of Discharge: 17/10/2079 | 31/01/2023
(Discharge summary is attached in annex.)

2. Objectives of her treatment:

The primary objectives of Jiya's* treatment are as following: -

- 2.1 Provide immediate medical and surgical management from good hospital.
- 2.2 Essential investigations, and diagnosis.

- 2.3 Help underprivileged family from the remote place to save their child from a curable heart disease.

3. Highlights:

Main highlights of Jiya's treatment are: -

- 3.1 Chature Nepali, a father of patient brought her to Kathmandu from Sarkegad Rural Municipality, Humla.
- 3.2 She was admitted in hospital accompanied by her father.
- 3.3 The SWAN team assisted them during their 57-day hospital stay and supported them with logistics and financial management.
- 3.4 She had several investigations like Hepatitis B, Liver Functioning Tests, HIV, and others for her surgery.
- 3.5 She underwent Open Heart Surgery.



Jiya during her medical treatment in the hospital

4. Results:

Jiya's health condition was improved as a result of her surgery. She was discharged from the hospital after 57 days.

5. Conclusion:

Jiya's surgery went successful. SWAN has been able to give a 10-year- young girl child a "hope" of life, with the support of our generous donors. We're really happy to send her home with a gentle smile on her face. Also, they expressed their joy and gratitude to everyone who supported them during her medical treatment.



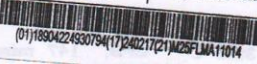

Jiya* with her father on the day of discharge from the hospital

6. Cost of Treatment :

Total cost of treatment of Jiya which includes the medicines, labs test, blood arrangement, food and accommodation for 2 person during the hospital stay and travel back to Humla for 2 person is Rs 158,257 as per following detail;

SN	Description	Amount	Remarks
1	Hospital Admission/Consultation Charge	11,460.00	
2	Medicine, Lab Test and Treatment Cost	61,617.00	Medicine, Lab test, Blood arrangement etc
3	Travel Cost	37,500.00	Air Fare/Local travel, food and Accommodation during the return from Kathmandu to Humla
4	Food and Accommodation Cost	47,680.00	Food, Accommodation and other logistic for 2 person during the hospital stay
	Total Expenses	158,257.00	

7. Annexes

Meril	LOT FLMA1T	SN M25FLMA11014	Flomero® Pericardial Bioprosthetic
Implant Date :	REF FLOM25M	2022-02-18	2024-02-17
Surgeon :	 (01)16904224930794(17)240217(21)M25FLMA11014		
Patient :			
 Shahid Gangalal National Heart Centre Department of Cardiac Surgery Bansbari, Kathmandu, Nepal Phone No: 4371322, 4371374, 4370622, Fax No: 977-1-4371123			
Dr. Rabindra Bhakta Timala Dr. Navin Chandra Gautam Dr. Nivesh Rajbhandari Dr. Nishes Basnet Dr. Marisha Aryal Dr. Rheecha Joshi			
DISCHARGE SUMMARY			
Unit:- Unit I		IP No: 149744 HIS NO: 22078487	
Patient's Name : [REDACTED]		Age: 10 Y	Sex: F Bed: PEDIA 228
Address: HUMLA		Phone: 9742246748	
Date of Admission: 2079/08/20		Total Hospital Stay: 57 days	
Date of Operation: 2079/09/19		Total ICU stay: 7 days	
Date of Discharge: 2079/10/17			
Diagnosis: RHD: S' MR, IE, S' TR, S'PAH, HBsAg +ve, HBeAg+ve			
Operative Procedure: CHORDAE SPARING MVR (BIOLOGICAL) + TV REPAIR+ LAA LIGATION (SAPM)			Outcome: Improved
Case History			
SOB PALPITATION			
Clinical Findings at admission			
G. C.: fair Pulse: 114b/min BP: 123/71mmHg Pallor <input type="checkbox"/> , Icterus <input checked="" type="checkbox"/> , Cyanosis <input type="checkbox"/> , Clubbing <input type="checkbox"/> , Oedema <input type="checkbox"/> Weight: 21 kg Height: 120.5 cm Respiratory: NVBS b/l; CVS: S1, S2, M+, Abdomen: non tender, no organomegaly Peripheral Vascular System: All peripheral pulses present.			
Investigations:			
Hb: 9.5 gm% Cr: 55 µmol/lit Others: HBsAg +ve, HIVHCV non reactive. Blood group: O POSITIVE			
PRE OP ECHO:			
LVID- 5.3/3.0 cm, LA/A0- 5.2/1.5 cm, LVEF= 60.0 %			
RHD with IE: Severe MR with multiple swinging vegetations at AML with Hordae Rupture. Severe TR with Severe PAH, Mild PR with trace AR, Mild pericardial effusion, dilated all cardiac chambers and PA.			
POST OP ECHO:			
LVID- 3.2/2.4 cm, LA/A0- 3.2/1.7 cm, LVEF= 45- 50.0 %			
RHD: S/P MVR (biological valve)+TV repair+ LAA Ligation: Normally functioning			

Open Heart Surgery
CPB: Yes temperature: 32.2 C CPB: 147 mins AoX: 116 mins
Cardioplegia: X 3 Post op pacing: yes

Operative findings:

Dilated cardiac chambers. Vegetations on MV chordae. Markedly dilated TV annulus.

Procedure- Aortic and bicaval cannulation. X-clamp. CPB established, heart arrested with antegrade cardioplegia. LAotomy done, vegetations excised. 25 meryl biological valve implanted with multiple sutures. LA closed. Anterior papillary muscle septalized. RA closed. Dearing done. Clamp released. CPB weaned off. Decannulation done. Hemostasis achieved. Chest wall closed.

▪ **Inotropes:** Dopamine ; Adrenaline ; Noradrenaline ; GTN

Condition at Discharge:

G.C.: Fair Pulse: 108 b/min RR: 22/min
CVS: S₁ +, S₂ +
Respiratory: bilateral equal air entry
INR at time of discharge: 2.74 on Tab. Farin 5mg.

GENERAL ADVICE:


- Avoid trauma over chest for 6 months
- Avoid liver, citrus fruits, green-leafy vegetables and cabbage.
- Maintain INR between 2.5-3.5

MEDICINES:

1. CAP FLUPEN 500 MG PO QID FOR 5 DAYS.
2. TAB CEFADROXIL 250 MG PO BD FOR 5 DAYS.
3. TAB ESZOL FR 40 MG PO OD FOR 5 DAYS.
4. TAB PCM 500 MG PO QID FOR 5 DAYS THEN SOS.
5. TAB FARIN 5 MG PO OD/6PM.
6. TAB FRUSAL 1/2 TAB PO OD/AM.
7. TAB RESERT 25 MG PO OD/HS.
8. TAB. ALDACTONE 25MG PO OD

FOLLOW UP: In surgery OPD after 3 months on Monday/Wednesday/Friday with CXR PA, ECG, PT/INR, ECHO reports for regular follow up/ in ER SOS, follow up with reports.

RECOMMENDATION: Please consult your local Cardiologist or your admitting Surgeon Dr. R Timala/Dr. N.Gautam for regular follow up and drug adjustment.


Dr. Ayushma Pandit
Doctor

Dr N.Rajbhandari/Dr N. Basnet
Dr. Rheecha Joshi Dr. Marisha Aryal
Registrar

Dr. Navin C Gautam Resident
Senior Consultant cardiac surgeon

Dr Rabindra B Timala
Senior Consultant cardiac surgeon