

MOBILE MEDICAL CAMP REPORT

Rana SJB*, Neopane A*, Subba K*

A mobile medical camp organized by RNAMC was setup in No. 4 Brigade HQ. Nimare Barrack, Surkhet. The duration of the camp was of six days i.e. from 15th Mangshir 2061 to 21st Mangshir 2061.

The 34 strength mobile medical team members were as follows:

1. Brig Gen Dr Suraj SJB Rana
Team Leader
Ophthalmologist
2. Col Dr Gobinda Khadka
Radiologist
3. Col Dr Arya Pandey
Obstetrician & Gynaecologist
4. Lt Col Dr Naresh Giri
Surgeon
5. Lt Col Dr Arun Neopane
Pediatrician
6. Lt Col Dr Nagendra Prasad Shah
Oto-Rhino-Laryngologist
7. Lt Col Dr Bharat Prasad Singh
Orthopedic Surgeon
8. Lt Col Dr Arun Sharma
Physician
9. Maj Dr Uday Bajracharya
Anesthesiologist
10. Capt Dr Nirjala Aryal
GDMO
11. Lt Dr Riway Karki
Dental Surgeon
12. Lt Dr Poonam Chand Thakuri
GDMO
13. Lt Col Kamala Subba
Specialised Nurses
14. Capt Sarala Thapa
Staff Nurse
15. Lt Bina Darai
Staff Nurse
16. T/Sub Sarala Sapkota
Staff Nurse
17. T/Capt Khagendra Si Ma
Medical Lab Technologist (Adam. Officer)
18. T/Capt. Tilak Bahadur Khadka
O.T. Technician (Logistic Officer)
19. T/Sub Nakul Thapa
Paramedical Staff - (Ophthalmology)
20. T/Sub Sanu Maiya Khadka
Paramedical Staff - (Obst./Gynae)
21. T/Jem Guman Singh Pu Ma
Paramedical Staff - (Anesthesiology)
22. T/Sub Ram Narayan Paudyal
Paramedical Staff - (Dispensary)
23. T/Jem Yem Bdr Godar
Paramedical Staff - (Surgery)
24. T/Jem Yagya Purush Pandey
Paramedical Staff - (Radiology)
25. T/Hav Shankar Poudel
Paramedical Staff
26. T/Hav Ramesh Thapa
Paramedical Staff
27. T/Hav. Maheshwor Chaudhary
Paramedical Staff
28. T/Hav Gir Bdr Thapa (DMI)
Photography
29. T/Hav Ramji Prasad Devkota
Paramedical Staff
30. T/Hav Jaman Singh Basnet
Paramedical Staff
31. T/Nk. Ananda Bhandari
Paramedical Staff
32. T/Nk Mohan Thapa
Paramedical Staff
33. T/Nk Dhan Bdr Rai
Paramedical Staff
34. Sep. Lok Raj Parajulee
Paramedical Staff

* Dr. Suraj SJB Rana
Brig. Gen., Team Leader
Consultant Ophthalmologist
* Dr. Arun Neopane
Lt. Col., Pediatrician
* Mrs. Kamala Subba
Lt. Col., Nursing Officer

Specialised medical services were provided in the following fields. General Medicine, General Surgery, Obstetric & Gynaecology, Pediatric, Orthopedic, Anesthesia, Ophthalmology, Otorhinolaryngology, Radiology, Pathology and Dental. The task given to the team was to provide medical service to the serving soldiers their families and the Ex. servicemen and their families cover by the 4th Brigade. The expected patient load was approximately 1750 (i.e. Ex-servicemen and families) and 200 regular soldiers. The Kalyankari branch through the DMS office provided the medicines. The instruments and equipments were taken from Shree Birendra Hospital. It took three trips for the "Sky Truck" to transport the team members & the equipments to Surkhet. The first two trips were flown on 14th of Mangshir and the last trip came on the 15th. The team started work right from the 15th of Mangshir in spite of the incomplete manpower.

The camp was setup in the previous No 4 ambulance complex. The space available was sufficient however we managed to squeeze in specialised OPDs, the Pathology Laboratory, Dispensary, X-Ray, USG, ECG and Refraction units. The Brigade MI room, which was converted to an O.T. with pre and post-operative and C facilities. There were two beds for pre-operative patients and four beds for post-operative patients. The pre-operative beds were also used for patients.

Patient Registration was a tough job at first but on it was more organized. Daily about three of the patients who reported to the Artillery Battalion in Mangalgarhi Barrack situated Surkhet bazaar, 7 kilometers away from Brigade HQ were brought by bus to the camp location. 1 patients however came from the near by Brigade HQ area. The No 4 Brigade HQ staffs provided support. They provided the necessary security administration support, cooperation and the hospitality.

Procedures

S.No.	Department	Procedure	No. of Cases	Remarks
1.	ENT	Uvelectomy	1	
		Inferior Turbinectomy	1	
		Foreign body removal nose (Insect)	2	
		Excision of Papiloma soft palate	1	
2.	Dental	Extractions	49	
		Fillings	113	
3.	Eye	Refraction	263	
		FEUM	42	
		Syringing	65	
		Schiotz tonometry	46	
		Schirmers test	30	
		Presbyopic spectacles provided	135	
		Chalazion I & D	9	
4.	Obst./Gynae	D & C : For incomplete abortion	1	
		Laprotomy and excision of Twisted ovarian cyst (Emergency)	1	
5.	Medicine	ECG	6	
6.	Radiology	Chest X-Rays	61	
		LS/Cx Spine	120	

		Joint/Bone	98	
		KUB	31	
		PNS	4	
		Skull	1	
		USG Abdo	170	
		USG Thyroid	1	
7.	Pathology	Urine RE	169	
		Stool RE	108	
		Pregnancy tests	47	
		HIV test	48	
		Blood RE	125	
		LFT	67	
		Blood grouping	72	
		Semen analysis	2	
		Renal function test	138	
		Blood Sugar test	101	
		Uric Acid	90	
		Hbs Ag	42	

Following Surgeries were performed at Surkhet Medical Camp

Surgeon: Lt. Col. Dr. N.K. Giri Anaesthesiologist: Maj. Dr. U.B. Bajracharya

S.No.	Rank	Name of Patient	Age	Sex	Diagnosis	Operation	Anaesthesia
Date: 2061/8/15 (Day 1)							
1.	Family	Mr. Surendra Basyal S/O Hav. Arjun Basyal	10 yrs	M	Small lump abd and mass ring finger	Excicision	LA
2.	Family	Mr. Arjun Basyal S/O Hav. Arjun Basyal	9 yrs.	M	Mole Lt. leg	Excicision	LA
3.	Family	Mr. Suman K. Pariyar S/O Nk. Shankar Pariyar	8 yrs	M	Abscess Rt. ankle	I/D	GA
Date: 2061/8/16 (Day 2)							
1.	Family	Master Sushil Poudel	2 yrs	M	Phimosis	Circumcision	GA
2.	Hav/Clk	Bhakta Bdr Tamang	28 yrs	M	Anal tag	Excission	LA
3.	Lnk.	Krishna Bdr Ra.Ma.	25 yrs	M	Auricular cyst	Aspiration	LA
4.	Family	Master Kiran Achhami	3 yrs	M	Phimosis	Circumcision	GA
5.	Nk.	Yam Bdr Oli	25 yrs	M	Ingrowing toe nail	Excission	LA
6.	Nk.	Sher Bdr Basnet	33 yrs	M	Epigastric hernia	Hernia repair	LA
7.	Nk.	Bharat Bi.Ka.	38 yrs	M	Lipoma	Excission	LA
8.	Family	Mr. Ganga Bdr Shahi	11 yrs	M	Cervical lymphadinitis	Excission	LA

9.	Hav.	Arjun Ranabhat	28 yrs	M	Multiple lipoma	Excision	LA
10.	Hav.	Bhim Bdr Sherpa	32 yrs	M	Multiple lipoma	Excision	LA
11.	Family	Mr. Hikmat Sherman	10 yrs	M	Ganglion Rt. hand	Excision	LA
12.	Family	Miss Tika Bi.Ka.	7 yrs	F	Wart	Excision	LA
13.	Family	Mrs. Laxmi Kaffle	25 yrs	F	Foreign body Rt. hand	Excision	LA
14.	Family	Mrs. Parbati Bi.Ka.	53 yrs	F	Calcinosis cutis Rt. hip	Excision	LA
15.	Family	Mr. Raju Darlami	18 yrs	M	Incised wound Lt. index finger	Suturing	LA
Date: 2061/8/17 (Day 3)							
1.	Sep.	Jit Bdr Shrestha	22 yrs	M	Hematoma anal region	Excision	SA
2.	Family	Mr. Laxchay Magar	5 yrs	M	Hydrocele	Hydrocelectomy	GA
3.	Family	Mrs Purna Lamichhane	14 yrs	F	Sebacious cyst scalp	Excision	LA
4.	Family	Mrs. Rasila Baduwal	23 yrs	F	Appendicular lump	Appendicectomy	SA
5.	Family	Mr. Danda Lal Regmi	57 yrs	M	Lt. inguinal Hernia	Hernioraphy	SA
6.	Family	Mr. Naresh Bista	14 yrs	M	Cyst scalp	Excision	LA
7.	Sep.	Chitra Bdr Bu.Chhe.	21 yrs	M	Hydrocele Lt.	Hydrocelectomy	LA
8.	Family	Mrs. Basundhara Acharya	55 yrs	F	Sebacious cyst	Excision	LA
9.	Sep.	Mohan Thapa	20 yrs	M	Lipoma	Excision	LA
10.	Family	Master Pawan Thapa	18 months	M	Inguinal abscess	I&D	GA
11.	Sep.	Khagendra Katuwal	24 yrs	M	Sebacious cyst	Excision	LA
12.	Family	Mr. Pradeep Ghale	5 yrs	M	Congenital hydrocele	Herniotomy	GA
13.	Family	Mrs. Hira Maya Bi.Ka.	28 yrs	F	Ganglion Lt. wrist	Excision	LA
14.	Family	Mr Deepak Khadka	10 yrs	M	Congenital hydrocele	Herniotomy	GA
15.	Family	Mr. Tek Bdr Rana	19 yrs	M	Lipoma back	Excision	LA
16.	Family	Mr. Subinil Chandra	4 yrs	M	Sebacious cyst scalp	Excision	LA
17.	Family	Mrs. Bhagwoti chand	24 yrs	F	Incomplete abortion	D&C	GA
18.	Sep.	Chok Bdr Khadka	24 yrs	M	Family planning	Vasectomy	LA
19.	Family	Mr. Mohan Bi.Ka.	4 yrs	M	Tongue tie	Release	GA
20.	Family	Mr. Jap Bdr Budha	69 yrs	M	Lipoma scalp	Excision	LA
Date: 2061/8/18 (Day 4)							
1.	Family	Master Suman Thapa	2 yrs	M	Phimosis	Circumcision	GA
2.	Family	Mr. Swapnil Chand	4 yrs	M	Phimosis	Circumcision	GA
3.	Family	Mr. Deepak Khadka	10 yrs	M	Congenital hydrocele	Herniotomy	GA
4.	Family	Mr. Pradeep Ghale	5 yrs	F	Congenital hydrocele	Herniotomy	GA
5.	Family	Mr. Tika Ram Pandey	7 yrs	M	Corn Rt. sole	Excision	LA
6.	Family	Mrs. Khagiewara Saru	40 yrs	F	Bursitis Lt. knee	Excision	LA
7.	Family	Miss Elisha Singh	6 yrs	F	Ingrowing toe nail	Excision	LA
8.	Family	Mrs. Usha Basnet	21 yrs	F	Fibroadenoma	Excision	LA
9.	Family	Mrs. Maina Kandel	25 yrs	F	Galactocoele	Excision	GA
10.	Family	Mr. Mito Lal Bi.Ka.	10 yrs	M	Septic arthritis	Arthrotomy	GA
11.	Nk.	Khim Lal Bi.Ka.	33 yrs	M	Ganglion Rt. ankle	Excision	LA
12.	Lnk.	Khadga Lal Basyal	23 yrs	M	Ingrowing toe nail	Excision	LA
13.	Lnk.	Botha Bdr Budhathoki	24 yrs	M	Lipoma	Excision	LA

14.	Sep.	Mangal Kumal	32 yrs	M	Lipoma	Excission	LA
15.	WO2	Jit Lal Lama	35 yrs	M	Corn Rt. sole	Excission	LA
16.	WO2	Keshab Humagai	35 yrs	M	Corn Rt. sole	Excission	LA
Date: 2061/8/19 (Day 5)							
1.	Family	Mr. Kamal Gurung	11 yrs	M	Bladder Stone	Vesiculolithotomy	GA
2.	Family	Mr. Kamal Tha.Ma.	8 yrs	M	Congenital hydrocele	Herniotomy	GA
3.	Family	Mr. Padam Rout	14 yrs	M	Gynaecomastia	Excission	GA
4.	Family	Mr. Som Bdr Sa.Ma.	10 yrs	M	Anal polyp	Excission	GA
5.	Family	Miss Dil Kumari Rout	12 yrs	F	Lipoma neck	Excission	GA
6.	Family	Miss Roshani Giri	4 yrs	F	Bleeding P/R	EUA	GA
7.	Lnk.	Kaji Ram Rout	20 yrs	M	Ingrowing toe nail	Excission	LA
8.	Family	Mr. Bhushan Hamal	7 yrs	M	Congenital hydrocele	Herniotomy	GA
9.	Family	Mrs. Laxmi Shahi	40 yrs	F	Cervical Lymphadenitis	Excission biopsy	LA
10.	Family	Mrs. Bhagwati Thapa	25 yrs	F	Corn Rt. sole	Excission	LA
11.	Family	Mrs. Golma Thapa	50 yrs	F	Lipoma Rt. elbow	Excission	LA
12.	Rt.	Mahendra Bdr Shahi	20 yrs	M	Foreign body Rt. hand	Excission	LA
13.	Sub.	Netra Bdr Khatri	40 yrs	M	Lipoma Rt. hand	Excission	LA
14.	Sep.	Rabindra Rai	20 yrs	M	Small nodule Rt. middle finger	Excission	LA
Date: 2061/8/20 (Day 6)							
1.	Family	Mr. Ishanta Oli	4 yrs	M	Congenital hydrocele	Herniotomy	GA
2.	Family	Mr. Deepak Wagle	11 yrs	M	Congenital hydrocele	Herniotomy	GA
3.	Family	Mr. Bhupendra Acharya	21 yrs	M	Congenital hydrocele	Herniotomy	GA
4.	Family	Mrs. Meena Chand	33 yrs	F	Twisted ovarian cyst	Laparotomy	GA
5.	Police	Prem Bdr Budhathoki	25 yrs	M	Post auricular cyst	Excission	LA
6.	Lnk.	Narayan Bhandari	35 yrs	M	Wart penis	Diathermy Excission	LA
7.	Nk.	Buda Bdr, Bu.Chhe.	33 yrs	M	Lipoma Rt. hand	Excission	LA
8.	Maj.	Harka Bdr Shahi	36 yrs	M	Skin tag neck	Diathermy Excission	LA
9.	Family	Mrs. Chandra Kala Giri	31 yrs	F	Corn Rt. sole	Excission	LA
10.	Sep.	Kamal Thapa	23 yrs	M	Ganglion Lt. wrist	Excission	LA
11.	Family	Mr. Jagu Ram Tharu	50 yrs	M	Corn Rt. sole	Excission	LA
12.	Family	Mr. Ram Bdr Bohora	50 yrs	M	Sebaceous cyst scalp	Excission	LA
13.	Family	Mrs. Gopi Sara Gharti	20 yrs	M	Foreign body Rt. hand	Excission	LA
14.	Nk.	Dhan Bdr Shahi	26 yrs	M	Lump occipital region	Excission	LA
Date: 2061/8/21 (Day 7)							
1.	Sep.	Chet Naraya shrestha	25 yrs	M	Splinter injury Lt. arm, Rt. Leg	Splinter removal	GA
2.	Lnk.	Gaja Bdr Ra.Ma.	28 yrs	M	Splinter injury Lt. arm, open # Lt. femur, laceration Lt. part of face	Splinter removal, Wound debridement	GA
3.	Lnk.	Givinda rana Magar	25 yrs	M	Splinter injury Rt. buttock	Splinter removal	LA

STATISTICS OF OPERATION NIMARE MEDICAL CAMP

Date	15/8		16/8		17/8		18/8		19/8		20/8		TOTAL		Grand Total	
	INS	F/Ex	INS	F/Ex	INS	F/Ex	INS	F/Ex	INS	F/Ex	INS	F/Ex	INS	F/Ex		
ENT	5	23	3	36	14	45	11	68	3	31	17	48	53	251	304	
Dental	2	1	1	46	15	43	20	49	6	26	13	65	57	230	287	
Eye	14	19	10	70	29	119	13	130	8	87	28	106	102	531	633	
Medicine	27	40	21	151	79	132	80	187	101	82	82	191	390	783	1173	
OB-GYN	Nil	13	Nil	88	Nil	80	Nil	110	Nil	76	Nil	87	Nil	454	454	
Pediatrics	Nil	19	Nil	108	Nil	122	Nil	144	Nil	48	Nil	113	Nil	554	554	
Surgery	8	5	14	30	21	31	12	30	9	23	18	34	82	239	321	
Ortho	1	5	14	30	14	53	19	63	10	29	20	59	78	239	317	
Radiology	Nil	Nil	6	75	11	70	9	80	3	80	3	43	32	348	380	
Pathology	37	82	53	379	155	342	151	475	59	232	159	595	614	1630	2244	
Registrations	37	87	53	379	155	342	151	475	59	232	159	595	614	2087	2701	
Prescriptions	32	83	34	427	101	508	168	480	46	375	129	630	505	2508	3013	
TOTAL PATIENT CONTACT WITH MEDICAL PERSONAL DURING CAMP **														2416	4251	6677

** Number of times a patient came in contact with a single prescription being referred to various specialists and undergoing various investigations.

INS - In Servicemen patient

Mobile Medacl Camp Surkhet

Histopathological Impression of Surgical Specimens

S.No.	Biopsy No	Name	Clinical Diagnosis	Histological Impression
1.	223R	Nk. Khem Lal Bi.Ka.	Calcified Ganglion (Ankle)	Foreign Body Granuloma
2.	224R	Hav. Arjun Ranabhat	Multiple Lipoma	Lipoma
3.	225R	Nk. Bharat B.K.	Multiple Lipoma	Lipoma
4.	226R	Sub. Netra Bahadur Khatri	Lipoma	Lipoma
5.	651F	Meena Chand	Ovarian cyst (Rt.)	Mucinous Cystadenoma
6.	652F	Laxmi Shahi	Cervical Lymphnode	Caseous Necrosis (AFB Negative) - Consistent with Tuberculous Lymphadenopathy
7.	653F	Som Bahadur Sa.Ma.	Anal Polyp	Juvenile (Retention) Polyp
8.	654F	Parbati Sunar	Skin Lump	Calcinosis Cutis
9.	655F	Usha Basnet	Breast Lump	Fibroadenoma (Intracanalicular)
10.	656F	Surendra Basyal	Cyst - Anterior Abdominal Wall	Cysticercus
11.	657F	Arjun Basyal	Mole	Hemangioma (Cavernous)
12.	658F	Gagan Shahi	Cervical Lymph node	Reactive Para cortical Hyperplasia (Reactive Lymphadenopathy)
13.	659F	Tek Bahadur Rana	Lipoma (Back)	Neurofibroma
14.	660F	Padam Raut	Breast Lump	Gynaecomastia
15.	661F	Purna Lamichhane	Hemangioma Scalp	Hemangioma
16.	662F	Rasila Baduwal	Appendix	Early Inflammatory Changes in Appendix
17.	663F	Mina Kandel	Breast Lump	Galactocele
18.	664F	Dil Kumari Raut	Hemangioma (Postauricular)	Angiomatosis
19.	665F	Khagisara Saru	Knee Swelling	Chronic Bursitis

Conclusions

1. The planning of such Mobile Medical Camp should be done well in advanced.
2. The selected team should have ample time to organize the camp.
3. Good coordination with No 11 Brigade and No 16 Brigade for air and land transport.
4. Portable light equipments should be used.
5. Portable dental chair with portable dental unit with dental air compressor.
6. This type of ambulatory surgery and anesthesia was first of its kind in the medical history of RNAMC.
7. For major surgeries, Mobile ICU (Air/Ground) should be arranged to transfer patient peri-operatively if required.
8. Mobile blood bank will be an intelligent idea if it is feasible.
9. More GDMOs, female nurses and nursing assistants required.
10. OT, Surgical assistants/anesthesia assistants/ Scrub sisters were not enough.

11. Ambulatory surgeries should be continued. Standard preparations should be uplifted. For fast tracking after ambulatory surgeries, short acting drugs like propofol, fentanyl, mivacurium, vecuronium, rocuronium, sevoflurane should be used.
12. A large number of cases were pediatric anesthesia and pediatric surgeries.
13. Boyle's Machine with OMV (Oxford Miniature vaporizer) would be a better choice. Tri service apparatus another option.
14. A portable OT table & good OT lighting system are a must.
15. Better CSSD facilities should be provided.
16. There should be a system of identify the families of the both in-service soldiers and the Ex-servicemen.
17. The patients flow was tremendous and the team saw and treated more than 3300 patients (i.e. Ex-servicemen & families totaling to about 2700 & Regular Soldiers approximately 600).
18. Medicine which were taken from Kathmandu was meagerly enough for the camp duration but the estimated amount for the estimated patients was just enough except for a few drugs which were scarce. The dispensary managed to adjust a few medications in the later stages with some restrictions and reservations.
19. The various equipments taken by the respected departments were adequate but were not up to the field standards, which meant packing transporting them was a big problem. Medical equipments have to be procured such camps are to be conducted regularly because the hospital equipments are bound to get damaged.
20. The coordination part deserves some merit especially with the No 11 Brigade side, which was very poor. Flight scheduling, timing, load calculations were not satisfactorily coordinated. The withdrawal plan was miscalculated also.
21. Coordination with the local commanders was not very problematic as they did their best to help the medical corps conduct the camps, in spite of their hectic duties and responsibilities.
22. Medical side we found that the camp could have been more effective if we had some specialties involved like the Orthopedic surgeon, Dermatologist, Pathologist maybe even a Pharmacologist to take care of medicine procurement and dispensing.
23. Such medical camps should be provided to needy families and retired soldiers of the Royal Nepalese Army on a regular basis. Geographically deprived and crisis affected patients should get the priority, which means that the patients in the **far west should have more medical facilities** than the economically and medically privileged patients in the east of our country.