

## **Report on Importance of Hand Hygiene and Relevant Use of Personal Protective Equipment (PPE) to Health Care Professional.**

### **Background:**

Corona virus disease (COVID-19) is an infectious disease caused by a newly discovered corona virus that was first detected in China at 25th December 2019 and now it has been detected in more than 200 countries. The COVID-19 virus spreads primarily through droplets of saliva or discharge of saliva or discharge from the nose when an infected person coughs or sneezes.

### **Introduction**

As Hands of the healthcare workers are the most common vehicle for the transmission of microorganism to other patients, many health care professionals in Nepal neglect the importance of hand hygiene and even don't know how to use Personal Protective Equipment properly that results the transmission of pathogens in healthcare settings for a wide range of pathogens.

Nepal Critical Care Development Foundation (NCCDF) in collaboration with Infection Control Society of Nepal (ICSON) conducted Eleven sessions to healthcare professional on importance of Hand washing and Relevant Donning and Doffing of Personal Protective Equipment (PPE).

NCCDF received a grant of Rs 1, 98,000 from America Nepal Medical Foundation (ANMF) to conduct this campaign.

### **Description:**

This program was started from 2020/03/23 and completed eleven sessions successfully. Short video of Hand Hygiene and Proper Use and Removal of Personal Protective Equipment (PPE) was aired from social media which aid proper knowledge to the health care professional from different parts of the country. The following venue where training was conducted as listed below with date.

- 1) Tribhuvan University Teaching Hospital(For Faculty ) -2020/03/23
- 2) Tribhuvan University Teaching Hospital ( For Resident Doctor \* 2 session )- 2020/03/24
- 3) Tribhuvan University Teaching Hospital (Staff Nurse \*2 sessions) -2020/03/27
- 4) Tribhuvan University Teaching Hospital( ICU Consultant ,Resident, Nurses \*2 session)- 2020/03/29
- 5) Bir Hospital ( For Doctors and Nurses )-2020/03/23
- 6) HAMS Hospital ( Doctors from Shukraraaj Tropical Hospital , Teku)-2020/04/16
- 7) Grande International Hospital (Nurses from Ministry of Health who will work at COVID-19 dedicated Hospitals) -2020/04/08
- 8) HAMS Hospital(Doctors from Ministry of Health who will work at COVID-19 dedicated Hospitals)- 2020/04/10



**Fig 1: At TU Teaching Hospital**



**Fig 2: At TU Teaching Hospital**



**Fig 3: At HAMS Hospital**



**Fig 4: HAMS Hospital**



**Fig 5: At Bir Hospital**



**Fig 6: At Grande Hospital**

**Conclusion:**

This short term training facilitate to healthcare professional from different hospitals about proper hand hygiene and use of PPE that mitigates the rate of transmission of infection and safeguarding the Health Care Workers from infection . The pool of health care workers developed from this training help country for the better preparations as well as creates awareness of COVID-19.

NCCDF appreciate support from ANMF in this crucial period of time for the management of suspected and confirmed cases of COVID-19 to Health Care Professionals.