

Report on Two Days BASIC ICU and Infection Prevention and Control Training for Doctors and Nurses of Armed Police Force Hospital and Nurses of Teku (Shukraraaj Tropical and Infectious Disease) Hospital

Background:

As most people in the world are now acutely aware, an outbreak of COVID-19 was detected in mainland China in December of 2019. When an infected person coughs or sneezes, the new corona virus may be transmitted through expelled droplets. These droplets can enter a person's system through "contact routes," such as the mouth, eyes, or nose. It is also possible for the droplets to be inhaled into the lungs.

Introduction:

Nepal, with its poor health care infrastructure, COVID-19 cases are increasing tremendously which will suffer the loss of the citizen. The healthcare workers required to handle the patients in ICU for COVID Patients is not adequate in number and they are not trained that results loss of the patients and spread of COVID-19 to healthcare professionals. With the major need to fight COVID-19, we need the trained adequate number of health care professional who will work in COVID ICU.

So, Nepal Critical Care Development Foundation (NCCDF) conducted two days e- based ICU Training to doctors and nurses from Shukraraaj Tropical and Infectious Disease and Armed Police Force Hospital which is dedicated hospital for COVID-19 treatment in Nepal. This two day training program is endorsed by Nepalese Society of Critical Care Medicine (NSCCM) for Doctors and Critical Care Nurses Association of Nepal (CCNAN) for Nurses.

NCCDF received a grant of Rs 1, 81,250 from America Nepal Medical Foundation (ANMF) to conduct this training

Description:

We have conducted five sessions of training in which two sessions for Nurses from Teku Hospital and APF hospital separately , one session for Doctors from APF Hospital in which Ninety two (92) numbers of nurses and Thirty Eight (38) numbers of doctors were trained to which in total One hundred Thirty (130) numbers of healthcare professional from COVID-19 dedicated hospital were trained .

We conducted doctor's session at HAMS Hospital and nurse's session at Grande International Hospital.

Now the trained participants are able to care critically ill COVID-19 patients admitted in ICU with the knowledge of following topics

1. Assessment of the critically ill
2. Airway Management
3. Acute Respiratory Failure
4. Sepsis
5. Shock
6. Hemodynamic Monitoring
7. Arrhythmias
8. VAP/CRBSI/Hyperglycemia/Vasopressors
9. Acute Renal Failure
10. COVID-19
11. ARDS- Ventilatory management
12. Sedation/Analgesia/Nutrition/VTE/Stress Ulcer
13. Transport of critically ill
14. PPEs and Isolation policies
15. Mechanical Ventilation - Basic , Modes , Settings and Troubleshoot



**Fig 1: Hams Hospital
(Lecture Session for Doctors)**



**Fig 2: Hams Hospital
(NIV Skill Session)**



**Fig 3: Hams Hospital
(Ventilator Skill session)**



**Fig 4: Hams Hospital
(Airway Management)**



**Fig 5: Grande Int'l Hospital
(Lecture Session for Nurses)**



**Fig 6: Grande Int'l Hospital
(Airway Management Skill session)**



**Fig 7: Grande Int'l Hospital
(Donning and Doffing of PPE for Nurses)**



**Fig 8: Grande Int'l Hospital
(Patient Pronging Skill Session)**

Conclusion:

After this training, pool of trained doctors and nurses from COVID-19 dedicated hospital in Nepal would be able for the preparations as well as the treatment of pandemic COVID-19 patients in ICU. It is the patients, however, who receive the most benefit from having a certified doctor's care for them, because the certification fosters improved safety and quality of care.

NCCDF appreciate support from ANMF in this crucial period of time for the training to the doctors and nurses who works in COVID ICU for the treatment and management of suspected and confirmed cases of COVID-19 .