

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:

Coronavirus disease (COVID-19) is an infectious disease caused by a newly discovered coronavirus 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.

Few patients with COVID-19 will have severe disease requiring hospitalization for management. Complications of severe COVID-19 include pneumonia, hypoxemic respiratory failure/ARDS, sepsis and septic shock, arrhythmia, acute kidney injury, and complications from prolonged hospitalization including secondary bacterial infections.

Organization Background:

Nepal Critical Care Development Foundation (NCCDF) is Not for Profit, tax exempt social organization established at 2012 with an objective of developing Critical Care Medicine in Nepal and helping upgrade ICU services in the country.

The foundation aims to improve the availability of Critical Care Services in Nepal and facilitates education and training which assist to improve the care for critically ill patients.

NCCDF has been active in numerous events and activities. Namely, the foundation conducts various CME's and workshops, has been running 'BASIC for NURSES', 'Infection Prevention and Control', 'CPR for Nurses', 'Tracheostomy Care', 'Ventilator Associated Pneumonia' workshop for nurses and BASIC ICU Course for doctors through the Simulation Center and supports the care of patients with

ICU care box. In addition, NCCDF organizes a number of awareness activities like Sepsis Rally and Hand Hygiene Campaign.

Program Description:

As COVID-19 cases is at increasing order in all of the world, Nepal a low resource country at now is at the third phase of transmission of COVID -19. For the COVID-19 Patient treatments in ICU, Nepal Critical Care Development Foundation (NCCDF) is planning to conduct two days 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.

Plan of Conduction:

In one session of training we can accommodate up to 25 numbers of participants .We are going to conduct five sessions of training in which two sessions for Nurses from Teku Hospital and APF hospital separately , one session for Doctors from APF Hospital to which in total 125 numbers of participants will be trained. We are planning to start this training from next week in which we conduct doctor's session at HAMS Hospital and nurse's session at Grande International Hospital.

Aim of the Course:

1. To teach participants to rapidly assess seriously ill patients and provide initial treatment and organ support.
2. To provide basic skills and knowledge necessary to assess, support and manage the care of critically ill patients.
3. To train doctors and nurses to have a better understanding of their roles and responsibilities needed to safely look after the COVID-19 patients.

4. To provide overall responsibility to ensure that all necessary preventive and protective measures are taken to minimize occupational safety and health risks.

Design of the Course:

The Course composes of E based theory lectures and followed by hands on skill station.

The course material consists of:

- Course manual
- E based Lectures
- Skill stations

Topics Include:

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

Target Audience:

Doctors and Nurses who will work for COVID-19 patient management in Corona ICU, working in critical care areas including emergency, OT recovery and CCU .

Cost:

For one participant the total cost is **Rs One Thousand Four Hundred and Fifty** which is briefly out looked as below

SN	Particulars	Amount
1	Course Manual	Rs 1000
2	Tea/Coffee and Cookies (Rs 75 *2 times)	Rs 150
3	Training Materials and Stationery	Rs 300
	Total	Rs 1,450

For 125 participants the total cost for training is Rs **One lakh Eighty One Thousand Two Hundred and Fifty (Rs 1, 81,250)**.

Summary:

The main focus of the training is to train doctors and nurses from COVID-19 dedicated hospital in Nepal for the preparations as well as the treatment of pandemic COVID-19 patients in ICU. After completion of the training, the participant doctors will be provided with the certificate of completion. 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. These training sessions will produce a big pool of doctors and nurses that help country for the better preparations, treatment as well as create awareness of COVID-19.

For Queries:

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