Infection Prevention Control Strategy for COVID 19 at KGMU for Infectious disease ward and other areas wherever such patients are received and treated

Apply standard precautions for all patients. Elements of Standard Precautions are

i. Hand hygiene
ii. Respiratory hygiene
iii. PPE donning and doffing
iv. Environment cleaning
v. Safe handling and cleaning of soiled linen
vi. Waste management

These elements are to be used for ALL patients at ALL times regardless of suspected or confirmed status of the patient. Limit the number of HCW, visitors, and family members who are in contact with the patient.

**Hand hygiene:** Hand hygiene should be done as per WHO “5 Moments”, and before PPE and after removing PPE. Use 0.5% w/v Chlorhexidine gluconate and 70% v/v ethyl alcohol for hand rub and 2% w/w Chlorhexidine based hand wash for washing hands with soap and water. Avoid touching eyes, nose and mouth.

**Respiratory hygiene:**

Cleaning staff and others (including doctors/nurses) should clean hands often, including immediately after removing gloves and after contact with ill person, by washing hands with soap and water for 20 seconds.
Minimise personnel during aerosol generating procedures (e.g. Tracheal intubation, Non-invasive ventilation, tracheostomy, cardiopulmonary resuscitation, manual ventilation before intubation, bronchoscopy, open suctioning of respiratory tract)

**PPE donning & doffing:** Use N 95 masks, goggles, gloves and other components of PPE as described below

### PPE is mandatory for the staff treating COVID 19 patients and for anyone who is entering the premises where such patients are being treated. Masks are to be worn by the patient, their attendants as well as staff.

Discard PPE in proper bins after use. Wash hands with soap and water after discarding PPE.

Environment cleaning within wards/ isolation rooms: **Wear PPE before doing disinfection and cleaning procedure.**

It is to be done thrice a day or whenever surfaces are visibly soiled or when contamination of the environment is suspected (such as after doing aerosol generating procedure).

**Floor and surface cleaning and disinfection** are to be done with 7.35% H2O2 and 0.23% peracetic acid. (*Use 3 bucket system*)

Toilet/bathroom cleaning is to be done by detergent and water followed by cleaning with Hydrogen peroxide enhanced action formulation (HP- EAF) 4.5%.

Bed surface/ mattress/ bed rails/ i.v poles/medicine trolley/door knobs and handles/light switches etc. are to be cleaned with detergent and water followed by accelerated H2O2 wipes.
Fogging of the room/corridors is to be done with 7.35% H2O2 and 0.23% peracetic acid after it is vacated by the patient.

**Spill management:** Cover the spill with absorbent cotton or a cloth. Pour bleach (For small spill- use 1% hypochlorite; For Large spill- use 10% hypochlorite ) on the absorbent covering spill for 10-15 minutes. Discard it in the yellow/ red bag with the help of scoop. Finally do the mopping with detergent and water.

**Wash hands with soap and water after cleaning/ spill management.**

**Environment cleaning outside wards/isolation rooms:** (include High/low touch surfaces of corridors, Lift, ramp) **Wear PPE before doing disinfection and cleaning procedure.**

Cleaning is to be done thrice in a day or whenever surfaces are visibly soiled or when contamination of the environment is suspected (such as after patient sneeze/ cough on surfaces).

Clean with detergent and water followed by cleaning with 0.5% hypochlorite solution (prepare by mixing 1 part of 5-6% sodium hypochlorite to 9 part of water) or with bleaching powder solution (prepare by mixing 4 teaspoon in 1 litre of water). For metal surfaces this should be followed by wiping with 70% isopropyl or ethyl alcohol.

**Wash hands with soap and water after cleaning/ spill management.**

**Ensure 3ft (1 metre) separation between patient bed and encourage coughing patient to sit 3 feet away from others in common waiting areas.**

**Safe handling and cleaning of soiled linen:** Wear PPE before taking out dirty linen. Do not shake the linen. Carry soiled linen in covered containers or plastic bags to prevent spills and splashes, and confine the soiled linen to designated areas (interim storage area) until transported to the laundry. These bags must be labelled with a sign of biohazard. **Wash hands with soap and water after discarding PPE.**

**Waste management:** Untreated waste should not be mixed with other waste. Follow BMW rules 2016, amended 2018 and 2019.

**References:**

1. Infection Control Manual of KGMU: Version 2
2. Environment cleaning and Disinfection Recommendations for COVID-19. CDC
3. Coronavirus (COVID-19) Infection prevention & Control. WHO