

Supplementary file 1

Dialysis practices during the COVID-19 pandemic: a survey from India

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Questionnaire. Dialysis practice patterns during the covid-19 pandemic

CONSENT *

I agree to participate in this survey. I give my voluntary consent to use data from this form for the above mentioned study (Since this is an electronic form sent by email and to be filled online, checking the box implies voluntary consent)

HOSPITAL AND DOCTOR DETAILS

1.Email address (optional):

2.City / Town of practice

3.What is the type of facility you are working in?

- Government run
- Private
- Other

4. How would you describe your facility?

- Teaching hospital
- Non-teaching hospital
- Stand alone dialysis centre

5. Does your centre admit/treat COVID 19 positive patients?

- Yes
- No

6. Does your centre provide dialysis to COVID-19 patients?

- Yes

- No

If yes, go to question 7

If no, skip to question 12

*Required

DIALYSIS OF COVID 19 patients

7. Which of the following facilities is available in your hospital for COVID 19 positive patients? (Check all that apply)

- Maintenance hemodialysis
- Hemodialysis in COVID-AKI
- Peritoneal dialysis in COVID-AKI

8. How are stable COVID 19 patients on hemodialysis isolated from other patients? (Mark only one)

- separate dialysis unit
- separate room with closed door
- separate room without door
- dialysis in last shift of the day
- dialysis in corner/end of row bed
- Only ICU dialysis facility available/Isolation room in ICU

9. In patients of COVID -19 AKI which of the following modalities of dialysis do you prefer ? (Check all that apply.)

- Hemodialysis/SLED/PIRRT
- Hemodiafiltration/SLED-F
- CVVHD/CVVHDF regardless of hemodynamic parameters
- CVVHD/CVVHDF if unstable hemodynamic parameters otherwise HD
- Peritoneal dialysis in all
- PD if unstable hemodynamics

10. Have you used any of the following extracorporeal therapies for COVID-19? (Check all that apply)

- Cytokine filter
- High Volume hemofiltration
- Plasmapheresis
- Polymyxin hemoperfusion
- No special extracorporeal therapy done

11. Is there a separate team or staff member per shift to perform dialysis in COVID19 positive patients ONLY?

- Yes
- No

SCREENING AND ISOLATION OF COVID 19 SUSPECTS/ ISOLATION OF RECOVERED PATIENTS

12. In case you suspect COVID-19 in a patient who has come for dialysis to your unit, which one of the following is your next step ?

- Wait for confirmatory test for COVID 19 before dialysis
- Send confirmatory test and meanwhile allow for dialysis in isolation as per unit protocol
- Refer to other centre

13. In a PATIENT IN WHOM YOU SUSPECT COVID -19, which of the following tests are done before allowing him/her for routine hemodialysis in NON- COVID area of unit? (You may select multiple options)

- RTPCR for COVID 19
- COVID-19 antigen test
- COVID IgM antibody
- CT chest
- X ray

14. In case a patient has signs and symptoms suggestive of COVID-19 but tests

NEGATIVE (by above mentioned tests), what is your unit protocol?

- Dialyse as a routine patient
- Dialyse in a separate room with closed door
- Dialyse in a separate room without door
- Dialyse in end of row/corner bed
- Dialyse in last shift of the day
- refer to other hospital/centre

15. In a patient who has suffered from COVID-19, how many days after a negative test is the patient allowed in the non COVID designated area of hemodialysis unit ?

- less than 7 days
- 7-14 days
- >14 days
- Isolation for 10 days after symptom onset (retesting not mandatory)
- Isolation for 20 days after symptom onset (retesting not mandatory)

PREVENTIVE MEASURES FOR COVID-19 WITHIN AND OUTSIDE DIALYSIS UNIT.

16. Which of the following have been used as the ROUTINE SCREENING PROCEDURE in your facility for COVID-19? (You may choose multiple options. Please mark the checkbox if any one of the options have been used EVEN ONCE in ALL DIALYSIS PATIENTS REGARDLESS OF SYMPTOMS during the past 11 months)

- Screening for symptoms, signs, contact history at every visit
- Screening COVID 19 RTPCR/Gene-expert at intervals
- Screening COVID 19 antigen at intervals
- COVID-19 serology at intervals

17. Is there a designated screening area outside your hemodialysis unit (for screening symptoms/signs/contact history)?

- Yes
- No

18. Is the screening area disinfected after every shift?

- Yes
- No

19. Is there enough space in the screening area to ensure 2m distance between people waiting in the area?

- Yes
- No

20. Is IEC material regarding COVID-19 displayed in the screening area outside and inside the unit?

- Yes
- No

21. Which of the following are practised in your hemodialysis unit as a measure to prevent spread of COVID-19? (Check all that apply)

- Inter-bed distance has been increased (to 2m or more)
- Alcohol based hand sanitiser is present at every bed
- Disposable tissue at every bed
- Plastic lined trash can at every bed for tissue disposal
- Bed sheets changed after every shift
- Surface disinfection of dialysis machines after every shift
- Bed rails and frequently touched surfaces disinfected after every shift
- Portable RO disinfected with hypochlorite after every use
- Soaking of bed linen in hypochlorite before sending to laundry
- Separate designated entry and exit for staff and patients
- Medical equipment (stethoscopes, BP cuffs, weighing machine etc) surface disinfection after each use

22. Which of the following patient behaviours are enforced in your unit? (Check all that apply)

- Encouraging patients to report any suspicious symptoms prior to arrival in unit
- Encouraging patients to come alone (without attendant) if stable
- Attendants not allowed in hemodialysis area
- Hand washing/hand sanitiser use for 20 seconds before entering the unit
- Eating is NOT allowed

23. Which kind of mask are patients required to wear in the hemodialysis unit?

- N95 or equivalent
- Triple layered surgical mask
- Cloth mask
- None mandatory

CARE OF HEALTHCARE WORKERS

25. Have your hemodialysis unit staff undergone a structured training session for precautionary measures to be taken, donning/doffing methods and recognition of signs and symptoms of COVID-19 in patients?

- Yes

- No

26. Is there a system of screening all hemodialysis unit staff for symptoms and signs of COVID-19 on their daily shift?

- Yes
- No

27. Which of the following PPE components are made available to staff working in the hemo dialysis unit? (non COVID designated area)

- Mask
- Disposable gloves
- Goggles/Face shield
- Fluid resistant coverall/gown
- Cloth gown/NON- fluid resistant gown
- Plastic apron for use above gown
- Cap
- Shoe cover

28. Which is the kind of mask which is provided to staff working in dialysis unit?

- N95 or equivalent
- Triple layered surgical mask

29. Does your staff get a PAID leave if they come in contact with a case of COVID-19?

- Yes
- No

30. Does your unit staff get a PAID leave if they develop signs and symptoms of COVID -19 or develop COVID-19?

- Yes
- No

BARRIER TO CKD CARE

31. Which of the following have you experienced as a barrier to ideal care in dialysis patients during COVID-19 pandemic? (Check all that apply)

- Missed dialysis sessions due to unavailable transport modality

- Temporary closure of your unit due to COVID-19 outbreak
- Delay in creation of permanent AV access
- Delay in urgent dialysis due to suspicion of COVID19
- Decrease in number of dialysis unit staff
- Delay in transplantation due to COVID-19
- Other.....

32. Have you counselled your patients regarding peritoneal dialysis over and above hemodialysis due to the COVID-19 pandemic?

- Yes
- No