**Appendix 1**

**PURPOSE--This plan provides guidance on Portable Ultrasound Equipment Cleaning and Disinfection within the context of COVID-19 including PUI for COVID-19.**

**\*\*\*ALL Low-Level Disinfectant (LLD) Wipes used to disinfect the Ultrasound machine and transducers MUST undergo the proper “Wet Time” to allow for proper disinfection. The type of LLD wipes used and the wet time will depend on your Hospital Approved Disinfectant Wipes. \*\*\***

* **Sani-Cloth AF3 (Grey Top) - Wet Time is 3 minutes \* Sani-Cloth Bleach (Orange Top) - Wet Time is 4 minutes**

**Prior to Exam**

* Limit the number of Ultrasound machines used
  + Have one to two ultrasound machines dedicated specifically to these cases
* Remove all unnecessary items from the machine
* Reduce the number of transducers connected to the machine, by only taking probes that are NEEDED for exam
* Place cover over unit (e.g. C-ARM image intensifier/mobile X-Ray drape)
* Use Single-Use Gel Packets and Probe Covers
  + If Single-Use Gel Packets are not available, use ONE Gel Bottle
    - If Gel Bottle is used, discard immediately after exam (see below)
    - Use probe covers for every exam, if possible
* Clean Equipment
  + Disinfect the machine with Low-Level Disinfectant (LLD) Wipes
    - Wipe down all parts of the equipment including the keyboard, console, transducers, transducer cord, etc. with LLD wipes and allow for proper “wet time”
* During Exam
  + Wear two sets of gloves and refer to the guidelines for proper PPE equipment
    - See below for explanation on why a “double glove” method is preferred when performing portable ultrasounds
    - Scanning should, as much as possible, be performed with one hand on the transducer and with the other hand in contact with cover sheet over the keyboard and machine.
    - Since aerosols and particulate matter may adhere to crevices in keyboards, the hand contacting the machine would be considered semi-clean. Gel application would be with the semi-clean hand dispensing clean gel.

**After Exam: INSIDE PATIENT ROOM**

* Remove and discard cover over unit, probe cover(s), gel packets or gel bottle
* Clean the machine and ALL parts of the transducer (including cord and connector) with LLD wipes
  + This step should be performed when exiting the room with the door open, using your best approach to stand 6 feet away from the patient
    - Before disinfection, remove and discard only the outer pair of gloves
    - Keeping mask, face shield, gown, and gloves on - disinfect the machine and probes with LLD wipes
    - Remove and discard gown and gloves, and wash hands for 20 seconds
    - Exit room with machine

**After Exam: OUTSIDE PATIENT ROOM**

* Remove remaining PPE and Disinfect Ultrasound Equipment **Outside** the room
  + Put on a new pair of gloves, remove face shield and mask, remove gloves again and wash hands
  + Put on a new pair of gloves, disinfect the machine and ALL parts of the transducer again with LLD wipes allowing for proper wet time
  + Remove gloves and wash hands again before returning to department

**After Exam: IN ULTRASOUND DEPARTMENT**

* Return disinfected machine to dedicated room for COVID exposed machines
* Disinfect the machine and ALL parts of the transducers again with LLD wipes
* After proper cleaning and disinfection, all probes that were taken and/or used for exam, should be placed into Trophon for further disinfection.

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