

Portable Intubation Chamber(PIC)

COVID virus filtering and containing system

Reduces COVID hospital transmission

Intubation Box

- For containing COVID virus in a spacial area and protect health care givers when patient is emitting lot of aerosols during intubation.
- Some existing open source designs below.



Dr Hsien Yung Lai, original inventor of Intubation box



Intubation box



Benjamin Reeser MD

<https://intubationbox.com>

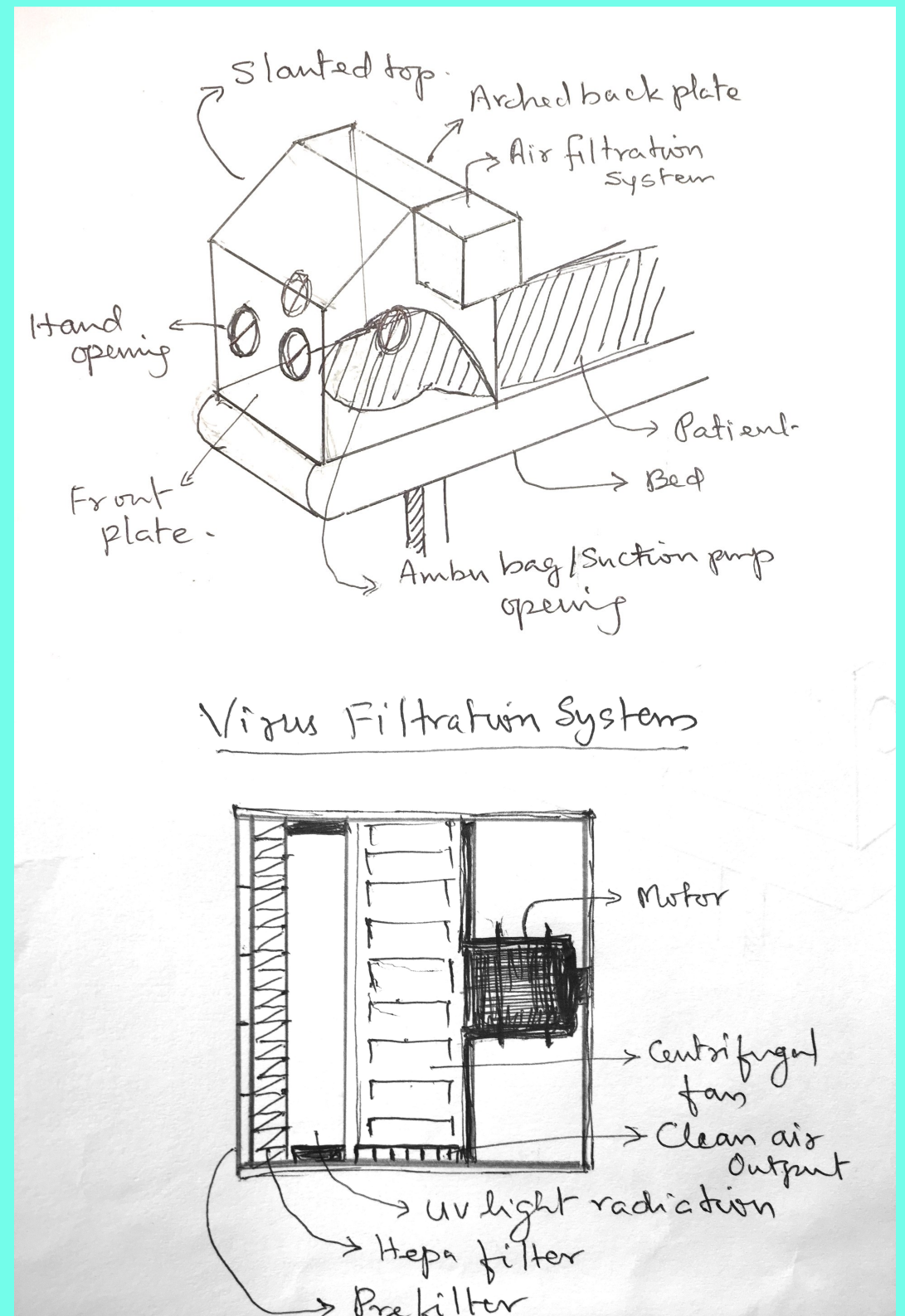
aerosolblock.org

https://player.vimeo.com/video/401646409?app_id=122963

Portable Intubation Chamber (PIC)

Inspired by intubation box, will have better containment and virus filtering system. Could be used in patient transportation, throughout patient stay in hospital, in addition to intubation.

- Virus filtering system with hepa filter and UV radiation. This will reduce virus load in the patient room.
- Centrifugal fan creates a negative pressure and pulls air out of intubation box and passes through the hepa filter irradiated by UV rays killing virus.
- Added back plate with arched opening for patient entry. This will enhance containment of virus.
- Slanted top, side lids to connect ambu bag & suction pipe.
- Project status : Building a prototype.



Get in touch



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