

PEDIATRIC AIRWAY MANAGEMENT FOR PUI/CONFIRMED COVID-19

Pediatric COVID-19 or PUI screened in the Pediatric Emergency Department



Place in Negative Pressure Room (if available).
If unavailable utilize portable HEPA filter in room and keep door closed.



Utilize Maximal Precautions
Monitor for work of breathing.
Assess for hypercapnia with blood gas.

BiPAP, CPAP, and HFNC can be utilized as indicated; transport only on NC or NIV with minimal/no leak plus filter

If bronchospasm is present, utilize MDIs.
Minimize nebulized medications.

When evaluating for Extubation and/or Extubation Readiness:

Prefer extubating to simple (non-humidified) nasal cannula or room air only.

Recurrent hypoxic or hypercarbic respiratory failure?

Prepare to re-intubate but may utilize NIPPV/HFNC if needed.



With evidence of oxygenation or ventilation failure refractory to HFNC or NIPPV,
plan for rapid sequence intubation (prefer no BMV to minimize aerosolization).

Multi-disciplinary collaboration for all imminent intubations. The most experienced pediatric airway provider available (Pediatric Anesthesia, Pediatric Critical Care Medicine, Pediatric Emergency Medicine) will intubate.

Advanced airway placement/intubation via Rapid Sequence Intubation

Prefer to use CAPR to intubate.

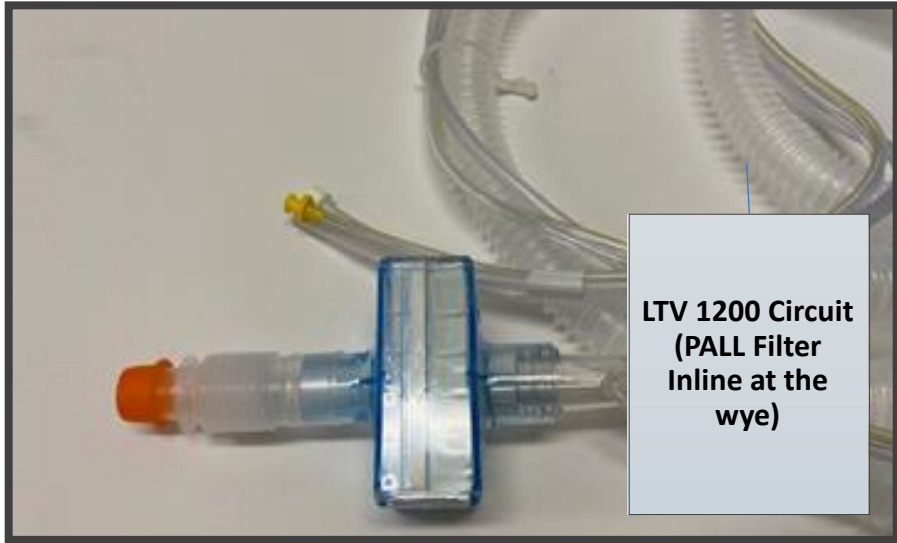
After intubation, may move to non-negative pressure room.

Place patient on ventilator with in-line neb/suction with closed filtered circuit.

Minimize travel while ventilated to essential travel only.

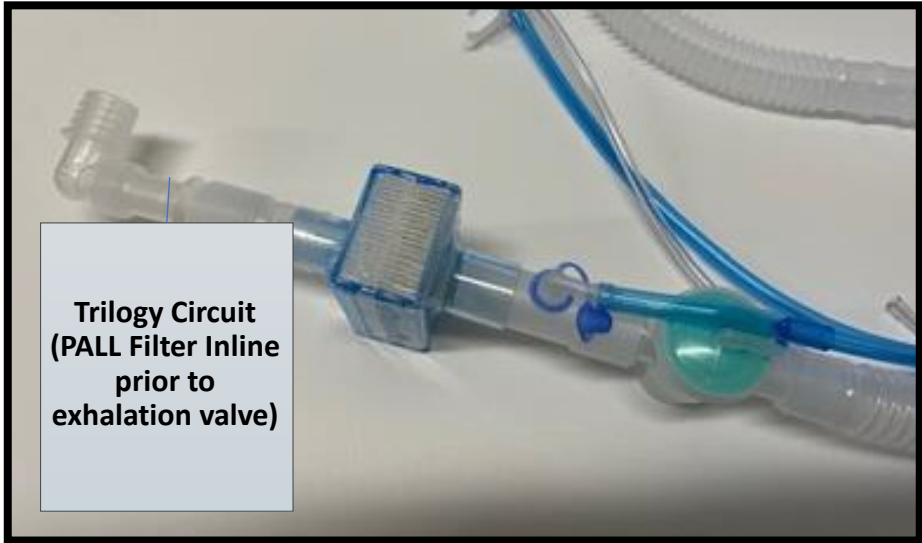
If essential travel required, utilize LTV 1200 or Trilogy with filter

Use HMEF filter for any TV under 350 cc (NOT Pall Filter)



LTV 1200 Circuit
(PALL Filter
Inline at the
wye)

DO NOT USE PALL
FILTER (INCREASED
DEAD SPACE) FOR
ANY TIDAL VOLUME
<350 CC
(USE HMEF FILTER)



Trilogy Circuit
(PALL Filter Inline
prior to
exhalation valve)



Inter-surgical filter
application with the
Bag

Limited number of pediatric HMEF
available. More on order. Dead space on
peds size is 37ml, infant size is 15 ml.



Stored on H2
and in HED
trauma room
airway cart

