ACH COVID-19
Perioperative Clinical Pathway

Patient previously tested for COVID-19?

YES

Neonate ≤ 72 hours of age with negative maternal test
OR
Inpatient with a negative test in the previous 3 days
AND
No clinical suspicion for or exposure history to COVID-19

NO

Refer to pre-operative/pre-procedural testing pathway

Clinical suspicion for COVID-19?

YES

Special Respiratory Enhanced Contact Isolation

NO

Repeat testing is not required pre-operatively

Standard precautions

COVID-19 test results

POSITIVE

• Special Respiratory Enhanced Contact Isolation Precautions
• Airborne Infection Isolation Room (AIIR)
• If AIIR not available, place in negative pressure room or regular patient room with door closed

NEGATIVE

Standard Precautions:
Pre, Intra, and Post-Operatively
ACH COVID-19 Workflow
Perioperative Areas

**PPE Precautions for:**
- Person under investigation (test pending)
- Unable to obtain history
- Tested positive for COVID-19

**SYMPTOMS**
- Acute onset of any of the following symptoms:
  - Fever and/or chills
  - Shortness of breath or difficulty breathing
  - Cough
  - Sore throat
  - New loss of taste or smell
  - Congestion or runny nose
  - Nausea, vomiting, or diarrhea
  - Muscle or body aches (not explained by exercise or activity)
  OR

**EXPOSURE**
- Close contact with person with laboratory-confirmed COVID-19 or person under investigation for COVID-19

**Intubate/extubate patient in Room 14**
- Place viral filter on expiratory limb of the circuit and sampling line filter
- Limit personnel involved in care: Anesthesia team, RN
- FOR TRANSPORT, REFER TO CARDIAC PROTOCOL
- Transport to OR per protocol
- For the procedure, all staff in OR will wear PPE

**Standard but Increased Precautions**
- Bacterial filter on expiratory limb of circuit (no viral filter)
- Anesthesiologist, CRNA/Resident double glove for intubation/extubation, surgical mask or PPE
- Intubate/extubate in OR and wait 15 minutes before rest of team enters room
- Patient to go to PACU

**All staff in the OR must wear an N-95 or PAPR device for duration of the procedure + eye protection**

**Aerosol Generating Procedures (AGPs):**
- Open suctioning of airways (oral, anterior nasal, nasal pharyngeal, endotracheal, tracheostomy)
- Sputum induction
- Cardiopulmonary resuscitation
- Endotracheal intubation/extubation
- Non-invasive ventilation (e.g., BiPAP, CPAP)
- Ventilator circuits with open exhalation (i.e., Trilogy, Vivo-65 or LTV ventilators)
- 3100 A/B Oscillator
- Bronchoscopy and Endoscopy
- Manual ventilation (bag/face mask, bag/endotracheal tube, bag/tracheostomy)
- High flow O2 delivery via OptiFlow

For any conditions not satisfied by this pathway, please contact Infection Prevention on-call
ACH COVID-19 Workflow
Post-Op

Is the patient:
COVID-19 positive
OR
PUI (R/O COVID, known exposure, symptomatic)
OR
Unknown history
(i.e. trauma - H&P cannot be obtained)

YES

Special Respiratory Enhanced Contact Isolation

- Follow isolation guidelines
- PPE: N-95, face shield, gown, gloves
- Recover patient in OR room 14. If room 14 not available, recover patient in one of the PACU isolation rooms. Ensure doors remain closed

NO
Standard/Transmission Based Precautions
(COVID pending/completed (negative) for pre-procedural testing)

- Follow normal guidelines for standard precautions
- PPE: procedural mask in accordance with AC masking process
- Recover patient in main PACU bay

Admission to the hospital?

NO
Discharge to home

Refer to preadmission testing pathway

Follow inpatient algorithm on bed placement
If ICU admit will be transported to ICU intubated

Addendum to Clinical Guidelines for Bed Placement

COVID-19 (confirmed positive)

- Place patient on Special Respiratory Enhanced Contact Isolation precautions
- Place patient in an Airborne Infection Isolation Room (AIIR); if AIIR not available, place in negative pressure room or regular patient room with door closed

R/O COVID-19 (formerly PUI)

- Place patient on Special Respiratory Enhanced Contact Isolation precautions
- Place patient in a regular private room with door closed

For any conditions not satisfied by this pathway, please contact Infection Prevention on-call