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 5 days
AND
No clinical suspicion for or exposure history to COVID-19

Obtain COVID-19 testing 48 hours prior to routine/elective surgeries and prior to time sensitive surgeries

NO

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
  - Fatigue
  - 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)

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

YES

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

NO

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

YES

Aerosolizing Procedure*?

NO

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

Standard Precautions

*Operative Procedures at high risk of aerosolization
- GI
- ENT
- Dental/Oral Maxillofacial
- not an exhaustive list if felt that an N-95 is needed please use the appropriate protection

Personal Protective Equipment (PPE)
- Standard isolation mask for routine care
- N-95 mask (FIT test required) or PAPR (MAXAIR PAPR) for aerosol-generating (likely to produce cough) procedures
- Eye protection
- Gown
- Gloves

Other aerosolizing procedures to be aware of:
- Non-invasive ventilation
- Defibrillation
- Chest physiotherapy
- High flow oxygen
- Tracheostomy
- Manipulation of BiPAP mask
- Open endotracheal suction
- Nasopharyngeal swab (+/-)
- Tracheal intubation/extubation
- Suction before/after intubation
- Nebulizer treatments
- Manipulation of oxygen masks
- Manual ventilation
- Bronchoscopy

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
• PUI (R/O COVID, known exposure, symptomatic)
• Unknown history
(i.e. trauma where 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

Test patient for COVID-19 if not previously tested

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

Addendum to Clinical Guidelines for Bed Placement

3/25/20 V.1.0

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.