COVID-19 Newborn Algorithm - April 17, 2020 1600
Spectrum Health contact - Daliya Khuon, MD

Mother tests COVID-19 positive within 7 days of delivery

- Test baby 4 hours prior to discharge
  - Is rapid testing available?
    - YES
      - Patient rooming instructions/treated as a PUI
      - Private NICU room. Isolation w/ gown, gloves, mask, and eye protection
      - Test baby at 48 hours of age
    - NO
      - Does baby need to go to NICU?
        - YES
          - Private NICU room. Isolation w/ gown, gloves, mask, and eye protection
          - Test baby at 48 hours of age
        - NO
          - Patient stays in isolation. Repeat PCR test @4-5 days of life

- Is the test positive?
  - NO
    - Patient is COVID-19 negative and can come out of isolation
      - Do standard COVID-19 test at 24 hours old
      - Is the test positive?
        - NO
          - Patient stays in isolation for 7 days or 72 hours after fever and improving respiratory symptoms. Do not retest. Consult Pediatric Infectious Disease
        - YES
          - Transfer to PICU negative pressure if available
          - Is patient ≥36 weeks corrected gestational age?
            - NO
              - Patient stays in NICU
            - YES
              - Patient stays in isolation for 7 days or 72 hours after fever and improving respiratory symptoms. Do not retest. Consult Pediatric Infectious Disease
  - YES
    - Does the patient need CPAP/NIPPV or intubation?
      - NO
        - Patient stays in isolation for 7 days or 72 hours after fever and improving respiratory symptoms. Do not retest. Consult Pediatric Infectious Disease
      - YES
        - Transfer to PICU negative pressure if available
        - Is patient ≥36 weeks corrected gestational age?
          - NO
            - Patient stays in NICU
          - YES
            - Patient stays in isolation for 7 days or 72 hours after fever and improving respiratory symptoms. Do not retest. Consult Pediatric Infectious Disease

- COVID-19 negative discharge instructions
  - COVID-19 positive discharge instructions