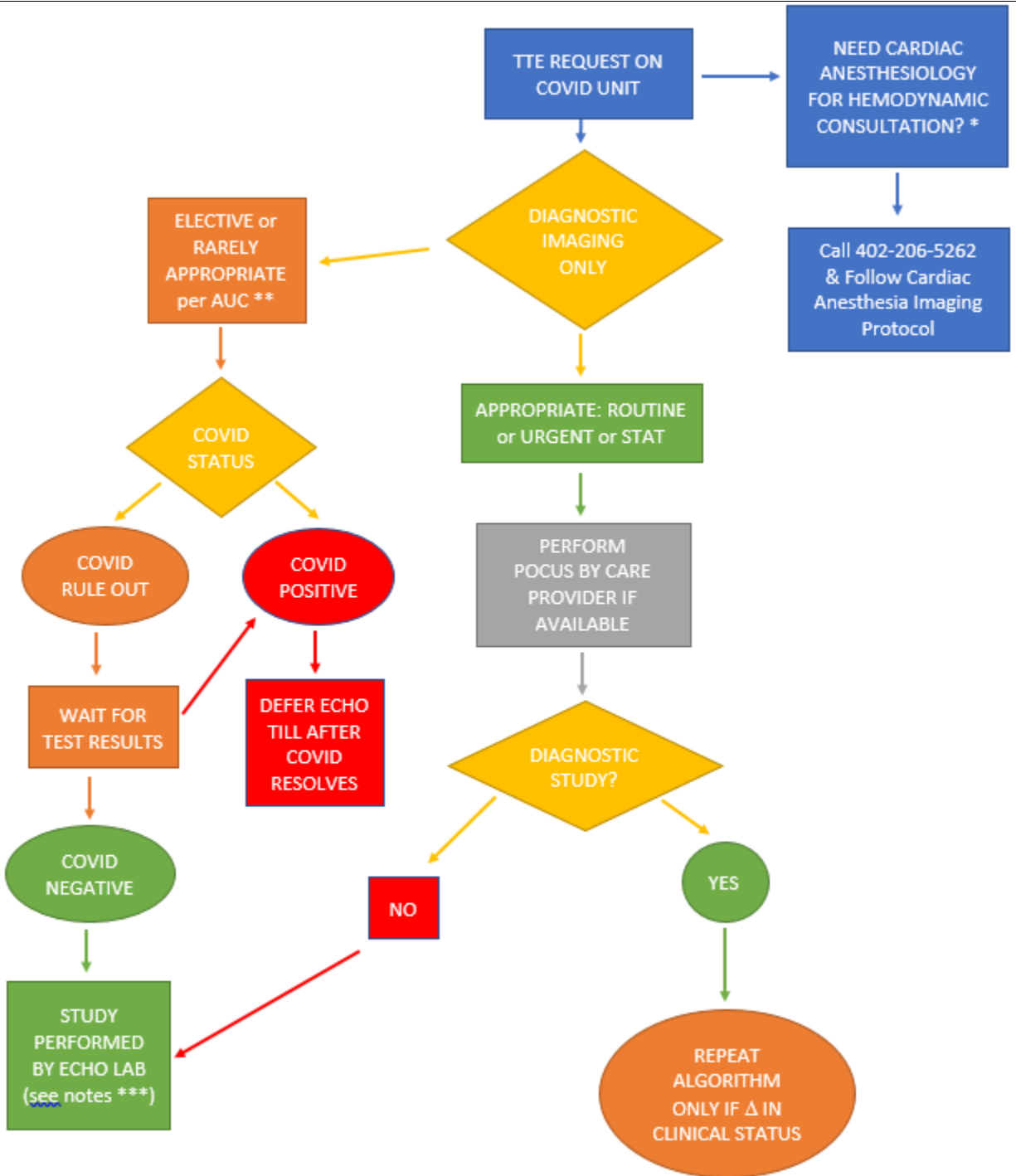


ADDENDUM J

TTE ECHO Contingency Algorithm for COVID-19

Created: April 3, 2020

Revised: April 8, 2020



* **Hemodynamic Consultation:** A service provided by cardiac anesthesiology for real-time hemodynamic guidance and optimization of patients with hypotension and other hemodynamic disturbances in the intensive care setting. Consultation consists of bedside evaluation by a cardiac anesthesiologist and performance of echocardiographic exams focused on echo-derived hemodynamics, including cardiac output and systemic resistance.

** **AUC:** Refers to Appropriateness Use Criteria for cardiac imaging:

<https://www.asecho.org/appropriate-use-criteria/>

*** All Transthoracic echo orders on patients with confirmed or suspected COVID will be reviewed for appropriateness based on published Appropriateness Use Criteria as best applicable and prioritized in the following fashion:

- **Elective or Rarely Appropriate:** Follow algorithm. Should NOT be performed if COVID positive to avoid unnecessary staff exposure and wasting PPE.
- **Appropriate and Routine:** Will not affect management decisions over next 24-72 hrs
 - **COVID POSITIVE:** Will be performed within 24 hrs of the order with full COVID PPE.
 - **COPVID Rule Out:** Recommend waiting for COVID test results.
 - If negative, perform once patient released from COVID unit under standard operating procedure.
 - If positive, perform within 24 hrs on COVID unit with full COVID PPE.
- **Urgent or STAT:** Studies will be performed on COVID unit, irrespective of COVID status, with full COVID PPE according to preexisting Lab policies on STAT and urgent studies.
- Note that Routine studies will be batch-performed between 1pm and 4 pm preferably by a single sonographer (up to 4 studies per sonographer), to increase efficiency and encourage extended PPE use. Orders placed after 1 PM may therefore be delayed till the next day depending on the volume of cases to be done.

Stress Testing

- **COVID POSITIVE:** Non-invasive stress testing is less likely to be indicated in individuals with active or confirmed COVID. For cases where stress testing is felt to be needed, then a cardiology consultation should be obtained to direct management.
- **COVID RULE OUT:** Stress testing may be performed under SOP after the COVID results are negative.

For further guidance, please refer to “**ASE Statement on Protection of Patients and Echocardiography Service Providers During the 2019 Novel Coronavirus Outbreak**”.

<https://www.asecho.org/ase-statement-covid-19/>