Figure s1. PICO Flow Charts

Should IgM vs. IgA vs. IgG vs. a combination be used for SARS-CoV-2 serologic testing?

Patients suspected to have COVID-19

IgM vs other Ig subtypes testing
- Positive
  - Predict current infection
  - No further testing

- Negative
  - No further testing

IgG vs other Ig subtypes testing
- Positive
  - Predict previous infection
  - No further testing

- Negative
  - No further testing

IgA vs other Ig subtypes testing
- Positive
  - Predict current or previous infection
  - No further testing

- Negative
  - No further testing

Total Antibodies vs other Ig subtypes testing
- Positive
  - Predict current or previous infection
  - No further testing

- Negative
  - No further testing

Combination of different Ig subtypes vs other Ig subtypes testing
- Positive
  - Predict current or previous infection
  - No further testing

- Negative
  - No further testing

Outcomes: determining past infection, Mortality, Hospitalization length of Stay, ICU length of Stay, ARDS, Survival
PICO: Should rapid serology (capillary blood) vs. standard serology (venous blood) be used to detect SARS-CoV-2 antibodies?

Patients suspected to have COVID-19

- **Capillary Blood sample**
  - Positive: Predict current or previous infection
  - Negative: No further testing

- **Venous blood sampling**
  - Positive: Predict current or previous infection
  - Negative: No further testing

Outcomes: Determining current or past infection, Mortality, Hospitalization length of Stay, ICU length of Stay, ARDS, Survival
PICO: Should NAAT alone vs. NAAT plus serology (when initial NAAT is negative) be used to diagnose COVID-19 in symptomatic patients?

Patients suspected to have COVID 19 with PCR (-)

- Repeat NAAT only
  - Positive: Predict current or previous infection
  - Negative: No further testing
- NAAT + Serology
  - Positive: Predict current or previous infection
  - Negative: No further testing

Outcomes: Determining current or past infection, Mortality, Hospitalization length of Stay, ICU length of Stay, ARDS, Survival