A Radiology decision tool for suspected COVID-19

Suspected COVID-19

- Clinical assessment and labs
  - < 50% have fever but > 80% have lymphopenia

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Seriously ill

- Sats <94%* or NEWS>=3
- CXR

Definite/ Probable COVID-19 pattern**
- Isolate

Uncertain/ Normal
- CT SCAN***
  - (Pre-contrast ± CTPA)
  - Indeterminate
  - Clinico-radiological review

Non-COVID-19 disease
- Don’t isolate

Abnormal CXR
- ? COVID-19
  - Self isolate with follow up

Normal CXR
- home with advice
  - Self Isolate

Stable

- Sats > 94%. NEWS <3
- CXR
  - If clinically required

If neither COVID-19 less likely

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*94% unless known COPD in which case <90%

** Unsuspected/unexpected cases may be incidentally discovered on CXR/ CT at this stage; should be reviewed in the context of clinical suspicion as to likelihood of COVID-19.

***Classic and Indeterminate CTs should be scored either: ‘mild’ or ‘moderate/severe’

Please upload all COVID 19 cases to BSTI database: https://www.bsti.org.uk/training-and-education/covid-19-bsti-imaging-database/