National service evaluation of lung and heart ultrasound in patients with suspected or proven COVID-19 – DATASET

Scan details – CORE

Case number/identifier:  

PATIENT LABEL  

Age:  
Sex:  □ Male □ Female  

Scan date:  
Admission date:  
Admission day:  
Day of illness:  

*Above data in grey required only once per patient*

Location:  □ ED □ AMU □ Ward  
□ ICU □ AEC/SDEC □ Triage area  

Other ________________________________  

Indication:  □ Triage / diagnosis □ Inpatient management (ward)  
□ Shock assessment □ EVLW assessment  
□ Pre-intervention □ Post intervention (state intervention in ‘other’)  
□ Ventilation strategy □ Other ________________________________  

COVID-19 status:  □ Suspected □ Confirmed □ Negative  

Lung evaluation – CORE

*12 / 14 zone assessment overleaf preferential to 6 zones*

Scoring:  
- A-lines or <2 B-lines (normal aeration – score 0)  
- ≥2 well-spaced B-lines (moderate loss of aeration – score 1)  
- Coalescent B-lines +/- small consolidations <1cm (severe loss of aeration – score 2)  
- Tissue-like pattern +/- frank consolidation +/- small consolidations >1cm (complete loss of aeration – score 3)  

Saturation:  
FiO₂:  
□ Nasal cannulae □ Hudson / humidified  
□ NIV □ CPAP □ HFNC □ I&V  
CORE if intubated and ventilated (I&V):  
PEEP:  
PaO₂/FiO₂  
□ Prone  

Outcome data following scan - CORE

Inpatients:  
□ ↑vent support □ ↓vent support □ Change position (prone) □ ↑level of care  
□ ↓level of care □ Change in fluids □ No change □ Discharge  
□ COVID ‘confirmed’ □ COVID ‘ruled out’ □ Other (please state)  

Ambulatory/triage patients  
□ Ambulatory f/u □ Admit – ward □ Admit – ICU □ Discharge  
□ COVID ‘confirmed’ □ COVID ‘ruled out’ □ Xray avoided  
Other (please state)  

All data in black is aspirational core data for every patient. All data in red is optional  
Patient identifiers must not be uploaded to database (convert to case number)  

National service evaluation dataset  
National service evaluation dataset v3.8
# Heart evaluation – CORE for ICU admissions

Recommended scans at day 1 and day 5 (+/- 1 day) of ICU admission

## FICE equivalent

<table>
<thead>
<tr>
<th>LV:</th>
<th>Advanced study</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ normal function</td>
<td>□ normal function</td>
</tr>
<tr>
<td>□ dilated</td>
<td>□ mildly impaired</td>
</tr>
<tr>
<td>□ severely impaired</td>
<td>□ sev. impaired</td>
</tr>
<tr>
<td></td>
<td>□ hyperdynamic</td>
</tr>
<tr>
<td></td>
<td>□ normal size</td>
</tr>
<tr>
<td></td>
<td>□ dilated</td>
</tr>
<tr>
<td>□ evidence of hypovolaemia</td>
<td>□ mod. impaired</td>
</tr>
</tbody>
</table>

(For either study)

Other sig. abnormalities / conclusions:

## Advanced study

<table>
<thead>
<tr>
<th>LV:</th>
<th>Advanced study</th>
</tr>
</thead>
<tbody>
<tr>
<td>□ normal function</td>
<td>□ normal function</td>
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<tr>
<td>□ mildly impaired</td>
<td>□ mod. impaired</td>
</tr>
<tr>
<td>□ sev. impaired</td>
<td>□ EF (%)</td>
</tr>
<tr>
<td>□ hyperdynamic</td>
<td>□ LV VTI (cm)</td>
</tr>
<tr>
<td></td>
<td>□ MAPSE (mm)</td>
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<tr>
<td></td>
<td>□ normal size</td>
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<td></td>
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<td>□ Size (mm)</td>
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<td>□ E/e':</td>
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<tr>
<td></td>
<td>□ TAPSE (mm)</td>
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<td>□ sev. dilated</td>
</tr>
<tr>
<td>□ normal size</td>
<td>□ TR V_max (m/sec)</td>
</tr>
</tbody>
</table>

## Heart rate:

BP:

MAP:

Vasoactives (details):

Troponin:

BNP:

Other biomarker(s):

## CORE for ICM:

APACHE score:

SOFA score:

Date of ICU admission:

ICU LOS:

Comorbidities:

□ Hypertension

□ Diabetes

□ CAD

□ Lung disease

□ CKD

## Lung evaluation – OPTIONAL

Please fill in pleura assessment and respiratory support data in Core section overleaf

### 12/14 zone assessment – mark severity score 0-3 as over

<table>
<thead>
<tr>
<th>Zone</th>
<th>R</th>
<th>L</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper anterior</td>
<td>R</td>
<td>L</td>
</tr>
<tr>
<td>Lower anterior</td>
<td>R</td>
<td>L</td>
</tr>
<tr>
<td>Upper lateral</td>
<td>R</td>
<td>L</td>
</tr>
<tr>
<td>Lower lateral</td>
<td>R</td>
<td>L</td>
</tr>
</tbody>
</table>

## Other data – OPTIONAL

Clinical frailty score pre-admission (Rockwood):

Latest imaging:

□ CXR

□ CT

□ POCUS

Date:

Summary findings:

□ Findings consistent

□ Imaging –ve, POCUS +ve

□ Imaging +ve, POCUS –ve

□ Different pathologies identified (details)

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National service evaluation dataset

v3.8