Adult Advanced Life Support for COVID-19 patients

During CPR
- Ensure high quality chest compressions
- Minimise interruptions to compressions
- Give oxygen
- Consider reversible causes 4Hs and 4Ts
- Use waveform capnography
- Continuous compressions when advanced airway in place
- Vascular access (IV or IO)
- Give adrenaline every 3-5 min
- Give amiodarone after 3 shocks

Immediate post cardiac arrest treatment
- Use ABCDE approach
- Aim for SpO2 of 94-98%
- Aim for normal PaCO2
- 12-lead ECG
- Treat precipitating cause
- Targeted temperature management
- AGP PPE if AGP interventions

Recommended PPE
Level 2 PPE
- Disposable gloves
- Disposable apron
- Fluid resistant surgical mask
- Disposable eye protection

Level 3 AGP (aerosol generating procedures) PPE
- Disposable gloves
- Disposable gown
- Filtering face piece (FFP3) respirator
- Disposable eye protection

Consider
- Ultrasound imaging
- Mechanical chest compressions to facilitate transfer/treatment
- Coronary angiography and percutaneous coronary intervention
- Extracorporeal CPR

Conversations and decisions on emergency treatment completed and documented
DNACPR

Yes

End of life care
DNACPR

No

State COVID-19
Call resuscitation team

Assess rhythm

Shockable (VF/Pulseless VT)
Up to 3 shocks
Don PPE CPR for 2 min
Minimise interruptions

Return of spontaneous circulation

Non-shockable (PEA/Asystole)
Don PPE CPR for 2 min
Minimise interruptions

Phase 1

Phase 2
At least Level 2 PPE

Phase 3
AGP PPE