

## W.I.N.K. – Basic Life Support (BLS) and Advanced Cardiac Life Support (ACLS) in Patients with Suspected or Confirmed COVID-19 (non-ventilated)

Ensure appropriate Code Blue/Code Rescue PPE is called to ensure responders are aware of patient's COVID-19 status.

The first priority when responding to a Code Blue/Code Rescue is scene safety. Ensure all code responders are donning appropriate PPE before entering the scene.

Keep crash carts outside the room with a nurse or pharmacist handing tools/medications as requested via a bin to avoid cross contamination. Keep the room door closed whenever possible.

Limit personnel in the room – only essential personnel

- 1 RN for medications
- 1 RT for airway
- 1 provider to lead/intubate/place lines
- 2 people for compressions/assist with 2-hand BVM ventilation and defibrillator
- 1 RN outside to assist in handing things from the cart and spot doffing upon completion of code

Prioritize oxygenation and ventilation strategies with lower aerosolization risk.

After donning Level 2 PPE:

1. Attach defibrillator pads & leads
2. Consider immediately defibrillation if indicated\*
3. Prepare for intubation
4. Place surgical mask on patient and begin compressions
5. Administer medications and intubate patient
6. If unable to intubate on first attempt, remove surgical mask from patient and use BVM with filters to provide ventilation
7. Continue CPR and attempt intubation

\*When warranted by ACLS provider, a patient in V-Fib or Pulseless V-Tach may be shocked first prior to compressions as the rest of the team dons their PPE.

Important notes about BVM ventilation:

- Hold chest compressions while intubating to minimize aerosolization of the virus and infectious risk to resuscitation team
- Minimize bag-mask ventilation; if necessary
- 2-hand masking to ensure a tight seal by the most experienced provider, with second provider assist with bag ventilation
- HEPA filter between mask and bag with a filtered resuscitation bag
- If filtered resuscitation bag unavailable, perform hands only compressions. Once intubated, patient can be ventilated with a filtered bag.

## References

ACLS Cardiac Arrest Algorithm for Suspected or Confirmed COVID-19 Patients. (2020). Retrieved 13 April 2020, from [https://cpr.heart.org/-/media/cpr-files/resources/covid-19-resources-for-cpr-training/english/algorithmacls\\_cacovid\\_200406.pdf?la=en&hash=C8D69AA2B4226798CA5D293CC5A36A5D57697D1C](https://cpr.heart.org/-/media/cpr-files/resources/covid-19-resources-for-cpr-training/english/algorithmacls_cacovid_200406.pdf?la=en&hash=C8D69AA2B4226798CA5D293CC5A36A5D57697D1C)

Interim Guidance for Basic and Advanced Life Support in Adults, Children,. (2020). Retrieved 13 April 2020, from <https://www.ahajournals.org/doi/pdf/10.1161/CIRCULATIONAHA.120.047463>

Interim Guidance for Healthcare Providers during COVID-19. (2020). Retrieved 13 April 2020, from <https://cpr.heart.org/-/media/cpr-files/resources/covid-19-resources-for-cpr-training/interim-guidance-march-19-2020.pdf?la=en&hash=5A491D18BBB61795442A98A49A50C05173C77EF6>