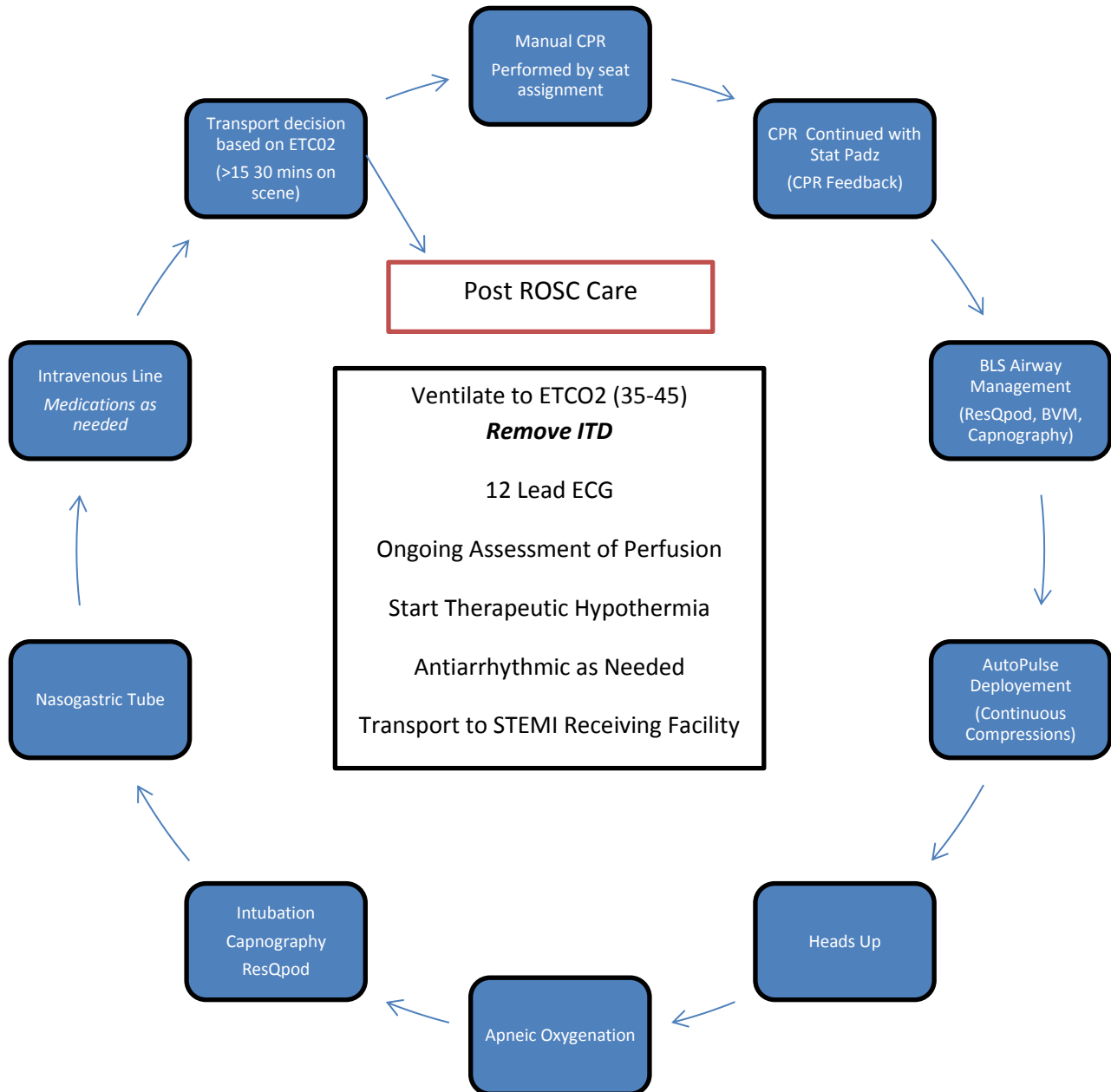


Rialto Fire Department Wheel of Survival

Defibrillation Guidelines

VFib/VTach arrest witnessed by EMS or ETCO2 of 20 or greater = immediate defibrillation
 Not witnessed by EMS or ETCO2 of less than 20 = 5 minutes high quality CPR and ETCO2 recheck
Escalating dose and timing of defibrillation per current protocol

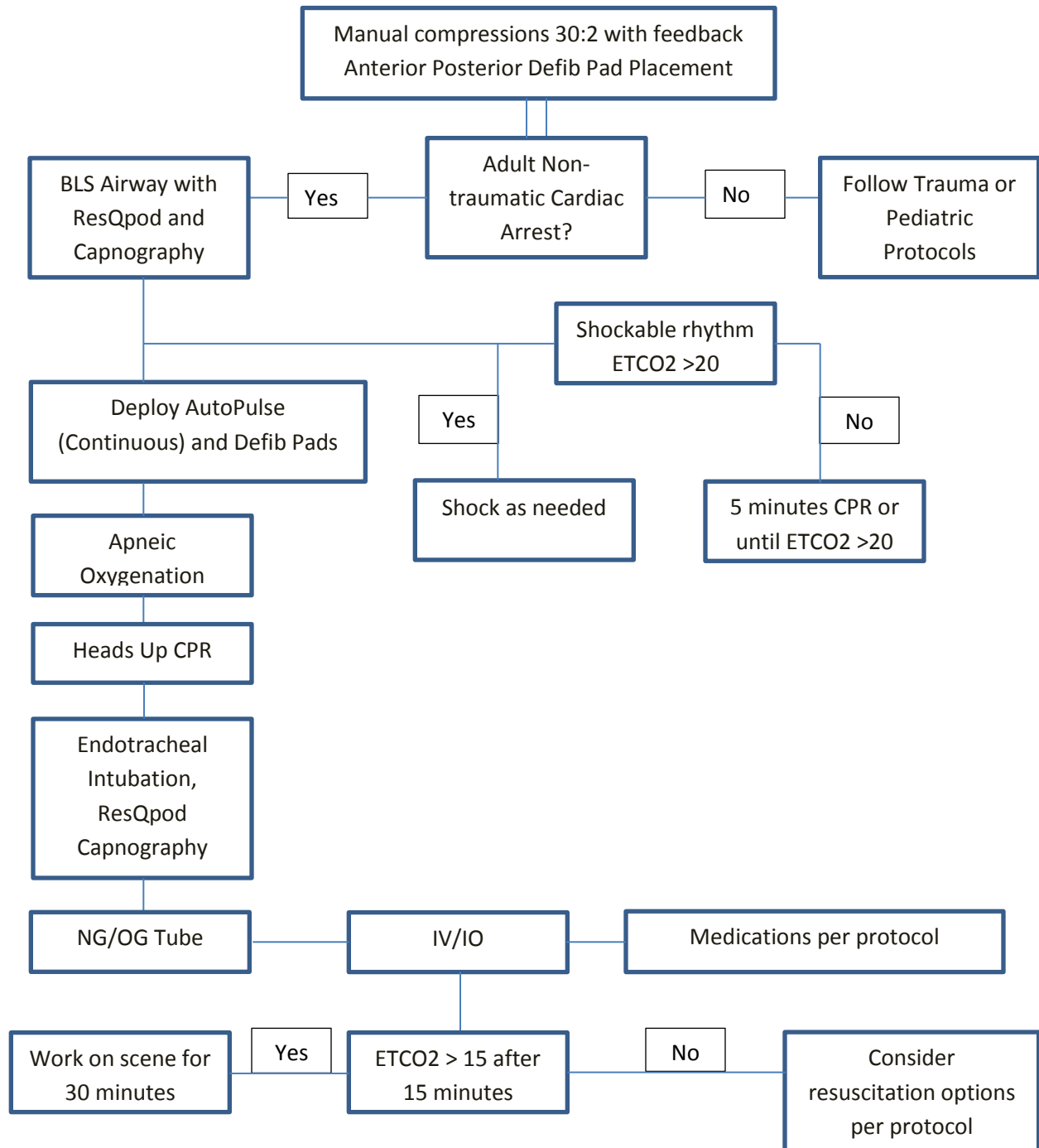


Medication Administration

All spokes in the Wheel of Survival through #9 are prioritized before medication administration
 IV/IO should not be initiated prior to intubation
Administer medications per existing protocol for dose, frequency and order

Rialto Fire Department

Adult Non-Traumatic Cardiac Arrest Resuscitation Algorithm



Rialto Fire Department

The 4 Pauses Adult Non-Traumatic Cardiac Arrest Resuscitation

Nothing Trumps Compressions, Nothing!

Improving outcomes starts with limiting pauses in compressions. To that end any high performance CPR program should define the pauses in compressions that are allowed in the system, seek to limit the time of those pauses, and train to reinforce that at all other times high quality compressions will be maintained. Besides the inherent pauses of 30:2 BLS compressions prior to the placement of the AutoPulse the following are the acceptable pauses in the Rialto Fire Department Cardiac Arrest Resuscitation Program:

- **Place a feedback device**
Zoll Stat-Padz
 - 1 second pause
- **Place a posterior defibrillation pad***
 - 5 seconds maximum
- **Place a mechanical CPR device**
AutoPulse
 - 5 seconds maximum
- **Start mechanical CPR device**
 - 2 second pause

*The second pause can be eliminated if sufficient personnel arrive on scene at the same time to begin CPR and set-up for transition to the AutoPulse (generally 5 personnel). In this case the posterior defibrillation pad may be placed at the same time the patient is lifted to place them on the AutoPulse.



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Rialto Cardiac Arrest Resuscitation Toolbox Reference List (abbreviated)

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- ❖ Farkus J. (July 2, 2014). Preoxygenation and apneic oxygenation using a nasal cannula. *PulmCrit* (EMCrit).
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Rialto Cardiac Arrest Resuscitation Toolbox Reference List (abbreviated)

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Waveform Capnography

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Deprioritizing Epinephrine

- ❖ Hagihara A, Hasegawa M, Abe T, et al. Prehospital epinephrine use and survival among patients with out-of-hospital cardiac arrest. *JAMA*. 2012; 307 (11): 1161-1168
- ❖ Perkins G, Ji C, Deakin C, et al. (July 18, 2018). A randomized trial of epinephrine in out-of-hospital cardiac arrest. *New England Journal of Medicine*.