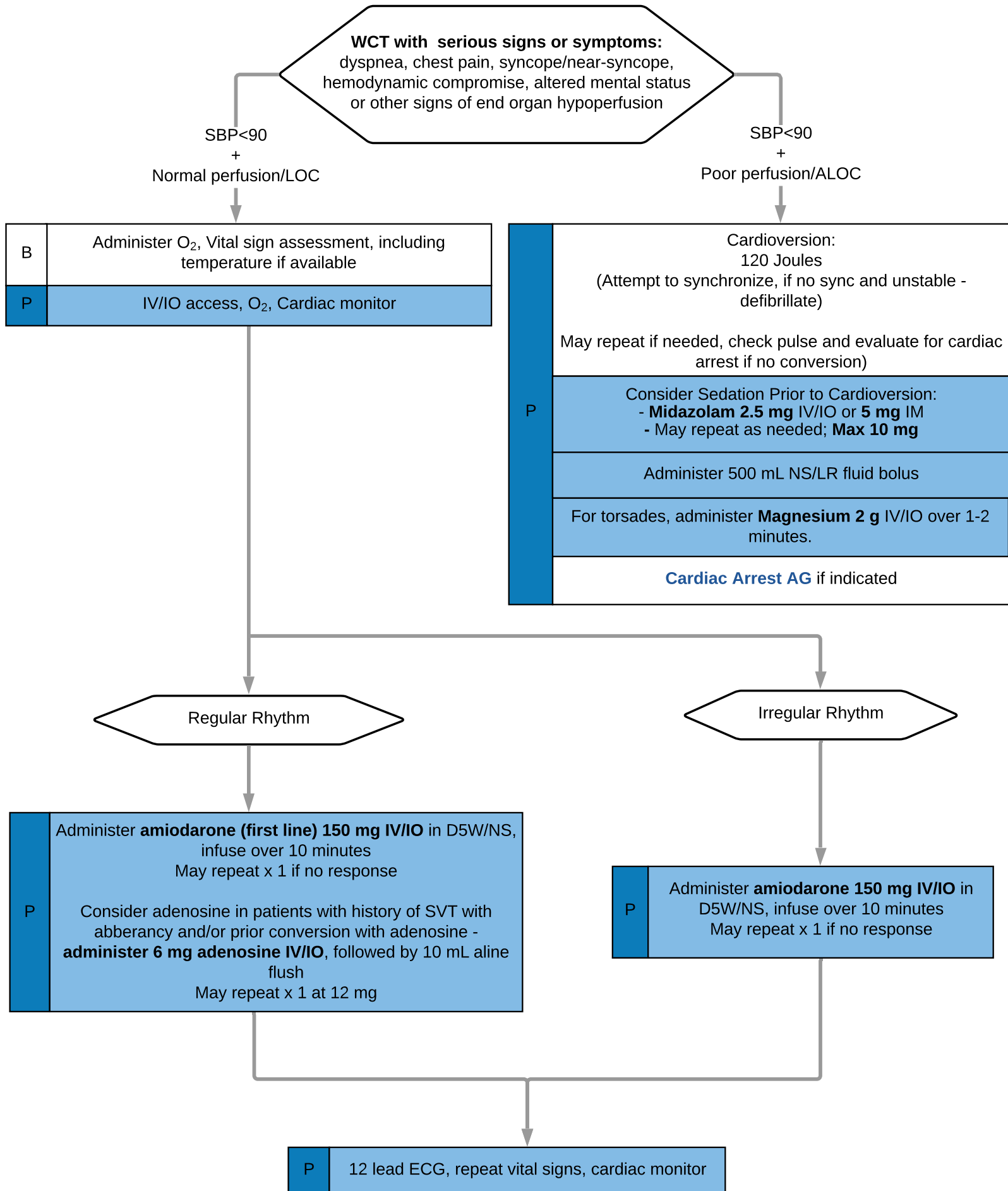


Adult Tachycardia - Wide Complex Administrative Guideline (Age ≥ 14)



Education/Pearls

The evaluation of wide complex tachycardia is based principally on the stability of the patient and evidence of altered mental status or shock. If the patient is unstable, utilize electricity if able; otherwise, medications or vagal maneuvers may be employed.

- Do not administer calcium channel blockers (diltiazem) in wide-complex tachycardias.
- Symptomatic tachycardia usually occurs at heart rates >150 BPM. If symptomatic at lower rates (100-120), consider underlying heart disease, like congestive heart failure.
- Obtaining rhythm strips can be helpful in further diagnosis of the patient's arrhythmia at the Emergency Department. Obtain rhythm strips and/or EKG after therapeutic intervention.
- Monomorphic (Regular) Wide-Complex Tachycardia:
 - Unstable - sync cardiovert if possible, otherwise defibrillate.
 - Stable - consider VT or SVT with aberrancy (presence of a bundle branch block). Amiodarone is the first line treatment. Adenosine can be considered if you suspect SVT with aberrancy; the strip must be regular and monomorphic.
 - Defibrillator should in place on the patient when administering adenosine.
 - If there is suspicion of WPW, do not administer adenosine or other nodal blockers (e.g. CCB)
 - Administering nodal blocking agents in WPW can cause a paradoxical increase in the ventricular rate.
- Polymorphic Wide-Complex Tachycardia:
 - May be Torsades de Pointes, especially in patients with history of prolonged QTc.
 - Administer magnesium in addition to above treatments and defibrillation.

Local Cardiac Receiving Centers:

- BUMC-T
- BUMC-SC
- NWMC
- OVH
- TMC
- SJMC
- VAMC