



Post-Cardiac Arrest Syndrome Management

Who needs this?

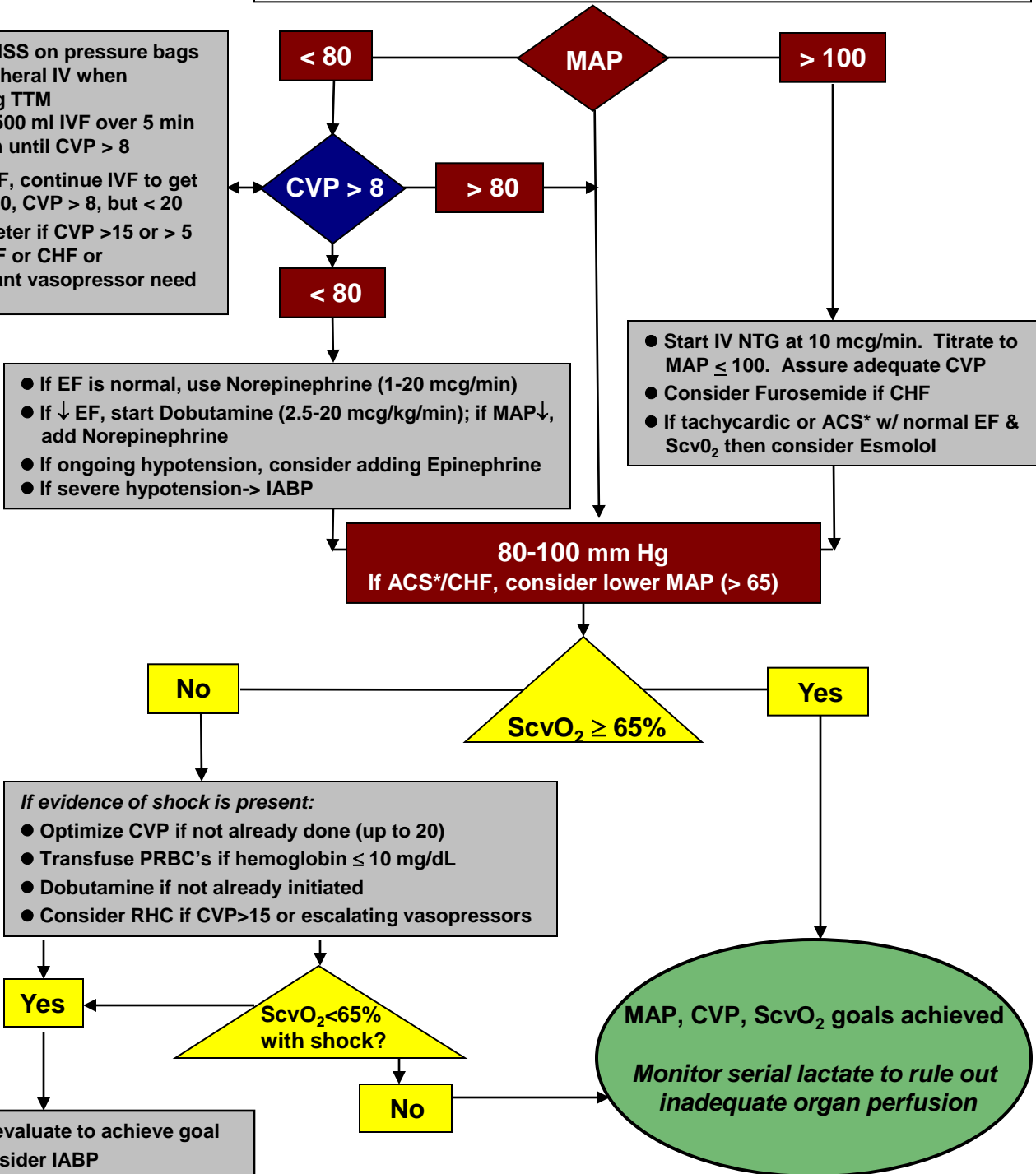
Resuscitated patients with:

- GCS Motor score < 6
- No other reason for coma
- No DNR B/C or DNI status

Getting Started:

- Stat EKG. If STEMI, activate cardiac catheterization lab; consult cardiology for ECHO if suspected ischemia, significant arrhythmias, hemodynamic instability
- Stat head CT if deemed medically necessary (may start cooling prior to CT)
- Begin sedation, paralytics; initiate Targeted Temperature Management (TTM)
- Page EEG fellow for continuous EEG placement
- Insert triple lumen CVC in subclavian or IJ vein; place radial or femoral a-line
- Notify Bed Management (215-847-2116) for ICU bed
- If pregnant, consult Ob/Gyn

- 2L 4°C NSS on pressure bags by peripheral IV when initiating TTM
- Repeat 500 ml IVF over 5 min q 20 min until CVP > 8
- If no CHF, continue IVF to get MAP > 80, CVP > 8, but < 20
- PA catheter if CVP > 15 or > 5 liters IVF or CHF or significant vasopressor need



* ACS=Acute coronary syndrome

Updated 9.3.13

DECISION TO COOL SHOULD BE MADE QUICKLY!

TTM Equipment Checklist

1. Arterial line kits (both radial and femoral)
2. Triple lumen central venous catheter or Presep® central venous catheter & Vigilance monitor
3. Two one liter bags of 4°C 0.9% saline (stored in ED and ICU refrigerators)
4. Gaymar III 7900 external cooling device with torso and leg wraps; fill before applying to patient
 - A. Blue-faced Gaymar – ‘Automatic’, ‘Rapid’ – patient set point 33° C
 - B. Gray-faced Gaymar – ‘Automatic’, ‘Rapid’ – patient set point 34° C; when patient reaches 34°, ‘Gradual’ – patient set point 33°
5. Temperature-probe urinary bladder catheter or esophageal temperature-probe (1/8 inch to 1/4 inch adapter needed for Gaymar device)
6. Neuromuscular blockade monitoring equipment (peripheral nerve stimulator for Train-of-Four)
7. Sedation monitoring (BIS monitor and sensor)
8. Rapid access to warmed IV fluid

C°	F°
38.0	100.4
37.5	99.5
37.0	98.6
36.5	97.7
36.0	96.8
35.5	95.9
35.0	95.0
34.5	94.1
34.0	93.2
33.5	92.3
33.0	91.4
32.5	90.5
32.0	89.6
31.5	88.7
31.0	87.8
30.5	86.9
30.0	86.0

For Questions or Concerns, call 267.253.9035