UW Medicine | VALLEY MEDICAL CENTER

Targeted Temperature Management (TTM): Emergency Management

INCLUSION CRITERIA
- In-hospital or out-of-hospital cardiac arrest with return of spontaneous circulation (ROSC)
- Not following commands after ROSC

EXCLUSION CRITERIA
- Other obvious reason for coma (e.g. intracranial hemorrhage, ischemic stroke, etc.)
- Prior DNR code status
- Refractory shock in which SBP cannot maintain >90 mmHg with interventions including pressors
- Pre-existing terminal illness or poor cognitive status (e.g. advanced dementia)
- Relative exclusions (consider target temperature 36 C)
  - Severe sepsis
  - Uncontrolled bleeding or severe pre-existing coagulopathy
  - Major surgery within 14 days
  - Pregnancy or age <18 (lack of data)

Cardiac Arrest

Evaluation & Diagnostics
- History and Physical Exam
- Baseline Neurological Assessment
- Head CT
- 12 Lead ECG
- Chest X-ray
- Baseline labs

Diagnosis & Initial Cardiac Rhythm?

STEMI

NSTEMI & Shockable Rhythm (VF / Pulseless VT)

NSTEMI + Non-shockable Rhythm (PEA / Asystole)

Cardiology Consult

Emergent Angiography Indicated?

YES →

Activate Cath Lab with Cardiology
- Enter Admit Orders in Epic
  ED Admit Cath Lab MI
- Coronary Angiography ± PCI

NO →

ED, Hospitalist +/- Intensivist Discussion

Cooling Indicated?

NO → **Usual Care*** (Refer to CPG)

YES →

Cooling Method?

ENDOVASCULAR COOLING
- Enter Cooling Orders in Epic
  IP CCU TTM After Cardiac Arrest
- Verify Catheter Placement (CXR)
- Complete Handoff Discussion

EXTERNAL COOLING
- Place Cooling Pads
- Enter Cooling Orders in Epic
  IP CCU TTM After Cardiac Arrest
- Complete Handoff Discussion

Admit to CCU (confirm orders placed)