

CV Lab Initiation of Hypothermia

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| A. Inclusion Criteria: |
| 1.) Non-Traumatic Cardiac Arrest |
| 2.) Cardiac arrest with return of spontaneous circulation in 60 minutes or less |
| 3.) Patient Unresponsive |
| B. Heart Hospital Coordinator: |
| 1.) Calls pharmacy to get "cool it" drug kit. Pharmacy to deliver these drugs to the CV lab. |
| C. H4200/CV ICU Charge Nurse: |
| 1.) Send text page to Intensivist when incoming "cool it" patient is 15 minutes out. <i>Intensivist Answering Service (612)-863-4762 and Station 20 (612)-863-4020</i> |
| D. While patient on transport cart: (patient is already intubated) |
| 1.) Disrobe the patient. |
| 2.) Apply cooling device Cooling Pads |
| E. Transfer the patient to the procedure table. |
| 1.) Connect patient to cardiac monitoring equipment. |
| 2.) Insert Esophageal Temperature probe if not currently in place. (Verify probe placement with Fluoro and Document). |
| 3.) Connect temperature probe to cooling device (place machine @ the foot of the table). |
| 4.) Connect cooling pads to cooling device machine. |
| 5.) Turn on cooling device (Back of Machine) and document core temperature. |
| 6.) Prep and drape patient. |
| 7.) Physician to obtain venous (Swan Ganz catheter and TPM) and arterial access. Arterial line to remain in place for frequent blood draws in ICU if possible. |
| 8.) Versed 2 mg IV bolus. (may repeat x 1). |
| 9.) Ativan 2 mg IV bolus (may repeat x 1) |
| 10.) Initiate Ativan gtt @ 1mg/hr (Usual infusion range is 0.5 to 7mg/hr.) Titrate 1 mg every 2 hours as needed. |
| 11.) Fentanyl 50 mcg IV bolus |
| 12.) Fentanyl gtt @ 50 mcg/hr (Usual infusion range is 50-200 mcg/hr). Titrate by 25 mcg/hr every 30 minutes as needed. |
| 13.) Atracurium 0.4 mg/kg IV bolus. Never give Atracurium before patient is intubated and sedated |
| 14.) Atracurium gtt @ 4mcg/kg/min IV. (Usual infusion range 2-15 mcg/kg/min) Titrate gtt to maintain 2 of 4 twitches on train of 4 monitor via peripheral nerve stimulator. (Versed, Ativan, Fentanyl and Atracurium are all compatible for IV administration) |
| 15.) Verify proper set target temperature (33.0 degrees) |
| 16.) Press automatic mode to initiate cooling. (<i>Never use manual mode</i>). |
| 17.) If necessary, press down arrow in cooling menu to set target temperature. |
| 18.) If time allows place Oral Gastric tube (do not place Nasal Gastric tube). |
| 19.) Document when goal temperature is achieved at 33.0 degrees. Note core temperature at the end of the case prior to purging and disconnecting the pads if goal temperature not obtained. |
| F. The cooling device must be purged and then disconnected prior to patient transferring to the ICU. Purging lines takes about 45 seconds. |