

Opportunity: As we continue to struggle with achieving goal temperature within our desired goal, we are going to start a pilot of placing Zoll catheters (from February 1st to April 30th) when feasible in the ED with the following criteria:

1. Eligibility: Patients eligible for Zoll Catheters:
 - i. Initial shockable arrest rhythm – AND –
 1. BMI > 35 – OR –
 2. Hypotension requiring vasopressor support – OR –
 3. Initial temp > 35.5 F (a long way to goal temperature).
2. Equipment: If ED team decides to place a Zoll cooling catheter in the ED, the Dickson ICU RN team should be notified and will bring down the Zoll catheter (essentially the same as a central line with extra ports for cooling) & necessary equipment). The critical care and Dickson RN team will assist with any application/utilization questions.
3. Education: This link provides short videos on placement. <https://www.zoll.com/medical-technology/temperature-management/ivtm-animation>
4. Resources/Flow Constraints: As with all central lines, a collaborative discussion with the ICU team should be done to determine optimal location of placement of Zoll catheter. Please do not delay transport unless resuscitative need, as our ED bed capacity is often constrained; however, lately we are boarding patients in the ED.
5. Adjunctive cooling: Please continue to use ice packs, cold IVF, and paralytics during the induction phase while setting up the cooling catheter.

Pilot: As this is a pilot, we're trying to do targeted education, as this pilot will determine the feasibility of this approach. Overall, from a provider vantage point, placement of the central line utilizes the standard Seldinger technique. The Dickson and ED nurses will provide support on utilizing the Zoll machine. Of course, the Arctic Sun remains a back-up if there are any issues with obtaining the necessary equipment in the ED during this pilot.

If you have any questions or feedback after placing one of these catheters, please e-mail. Any real-time questions, please call me: 704-302-7118. (24/7 until pilot completed April 30).

Thank you-

Dave Pearson