NICU Admission Flow Chart for the Extremely Preterm Infant

**RN**

- Pre-heat room to 77°F and close room door at least 15 minutes prior to admit
- Prepare bedspace using Checklist, taking into account whether infant arriving on Omnibed versus transporter

**RT**

- Confirm set up of mask/bag with appropriate flow, FiO₂ and PEEP at bedside
- Set up ventilator for volume guarantee; prep for bubble CPAP to arrive with infant
- Ensure suction and suction catheters available and functioning

**MD/LIP**

- Place Extremely Preterm Admission Orders on Pended Baby* (excluding weight based medications)
- Set up for UVC/ UAC placement in room, including lines pre-flushed and sterile field covered with sterile drape
- Page radiology technologist to alert to pending ELBW patient

**DR Team Alert**

- Calculate IVF rates
- Gather for admission

**Gather for admission**

- Pull and warm surfactant if intubated
- Prep MAC catheter with Surfactant if intubated
- Gather for admission

**Admission**

1. Add water to Omnibed humidity tank. Connect EKG arm leads and pulse oximeter to room monitor
2. Place PIV, start D5W @100ml/kg/day
3. Place PIV, start D5W @100ml/kg/day
4. Once umbilical line confirmation, initiate starter PN and prime **NEW** bag of D5W and initiate infusion via UVC (using 2 person technique to maintain TF 100 ml/kg/day)
   - Initiate 1/2 NaAcetate +0.5unit/ml heparin if UAC in place
5. Once umbilical line confirmation, initiate starter PN and prime **NEW** bag of D5W and initiate infusion via UVC (using 2 person technique to maintain TF 100 ml/kg/day)
   - Initiate 1/2 NaAcetate +0.5unit/ml heparin if UAC in place
6. Close Omnibed, humidify per protocol (Goal by 60 minutes of life - follow Voalte timer)
7. Once Omnibed at goal humidity, take infant out of polyethylene bag, obtain length and head circumference

**MD/LIP**

- If intubated, text page Rad Tech at 11184 with message “ELBW Stat CXR Neighborhood _ Room _”
- Input orders for weight based medications, including caffeine if on CPAP
- Calculate anticipated depth of insertion of umbilical lines

**Gather for admission**

1. Switch from NeoPuff to ventilator or bCPAP from tank to wall blender
2. CXR for ETT placement followed by immediate instillation of surfactant unless adjustment of ETT needed
3. Document minutes of life surfactant instillation initiated.

4. Once PIV in, place umbilical lines, keeping infant inside polyethylene bag with velcro closed except for umbilicus. Draw blood for labs. X-ray confirmation of line placement

**Admission**

- Update parents and obtain consents for DHM, blood transfusion, and MA HiWay