

PICU eCPR/ECMO Activation

Room Diagrams & Team Member Responsibilities

Effective 4/27/2022.

2 copies of the eCPR/ECMO room set-up diagram/ECLS checklist will be in each patient room in a plastic sleeve and should be used for any activation.

MD/APN/RN:

- Coordinate and collaborate with PCF on room set up.
- Steps for initial room set up are next to the room diagram (see attachments).
- You may use a similar set up for elective ECMO cannulations.

PCF:

- Coordinate and collaborate with provider on room set up.
- Activate ECMO via stat line (steps for activation on back side of diagram).
- Ensure all code roles are filled and steps/checklist completed.
- Aid in crowd control and assisting specialty teams with their placement in room.

Nursing/Pharmacy:

- Crash cart will have a copy of each room diagram laminated and in crash cart binder.
- Begin to draw up the listed drugs/doses and calling pharmacy for blue tackle box which contains extra code medications.

RTs:

- Assist with moving ventilator and respiratory boom to designated area per diagram.

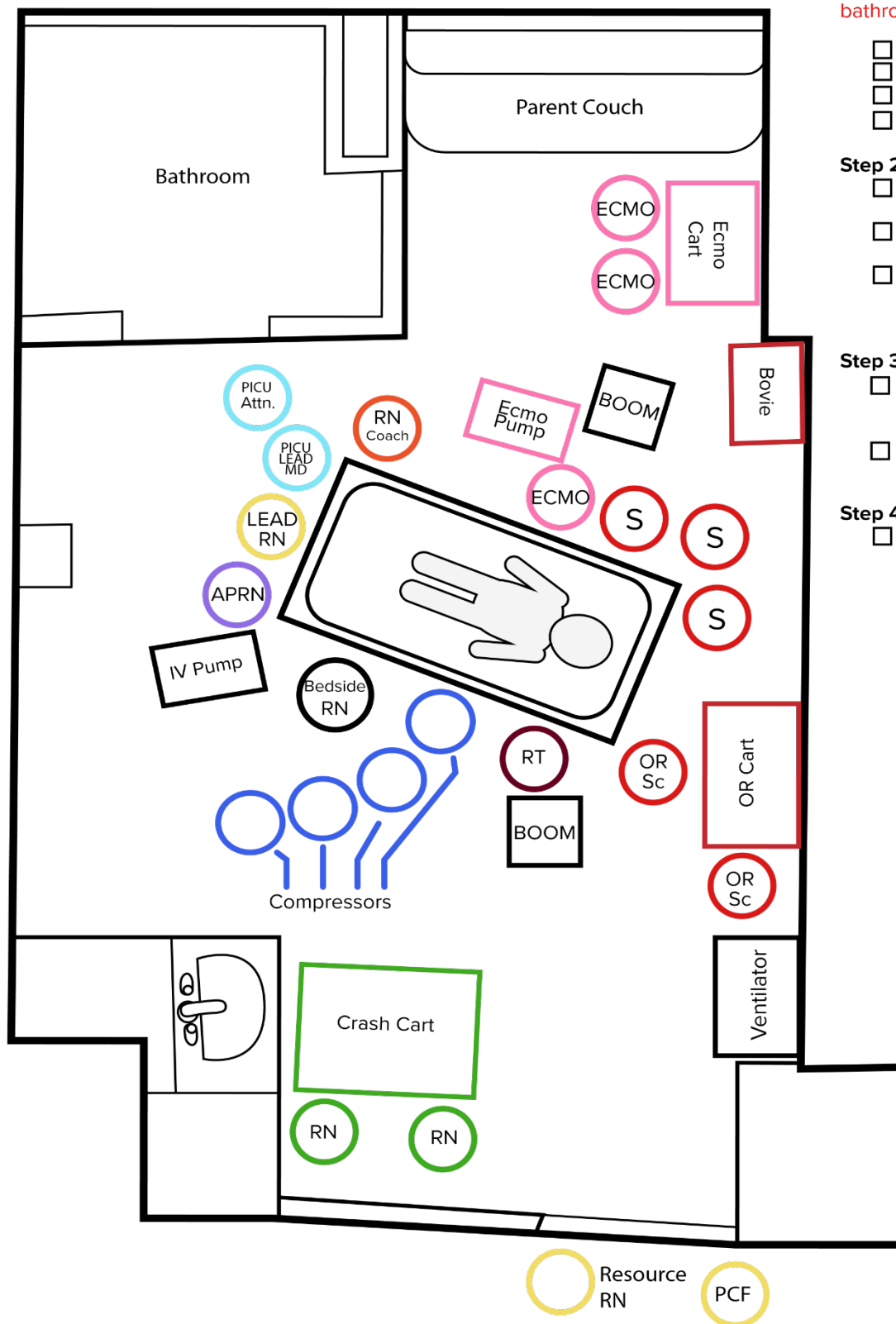
PCAs:

- Assist with room set up and gathering supplies:
 - extra suction/tubing
 - shoulder roll for surgeon
 - sterile supplies for compressions

HUCs:

- After a room has activated ECMO, replace room diagrams with 2 copies in plastic sleeve (see bottom of right/left room diagrams for corresponding patient rooms).
- Copies must be printed in color; extras will be kept at HUC desks.

Right Side Patient Room



Step 1. Move items into bathroom:

- ☐ Recliner
- ☐ Round table and phone
- ☐ WOW
- ☐ Headboard

Step 2.

- ☐ Bed into middle of room
- ☐ HOB towards door
- ☐ Foot of bed toward bathroom (Bovie will be on left side of HOB)

Step 3.

- ☐ IV pump to left side foot of bed
- ☐ Add suction setup for OR (4 set ups in total).

Step 4.

- ☐ Crash cart meds to draw up:
 - o 20 doses of EPI
 - o 5 doses of BICARB
 - o 5 doses of CALCIUM
 - o 1L NS PUSH PULL
 - o EPI gtt



PICU ECLS Preparation: ECPR

PICU PCF
PICU Provider
OR Team
Bedside RN/Staff

1. Activate ECMO – Use black ring down phone to call STAT Line (2-2574) and give following information: (PCF)

- ☐ General Surgery or Cardiac ECMO
- ☐ Unit G3 PICU
- ☐ Room _____
- ☐ Medical Record Number _____
- ☐ Patient weight _____
- ☐ ECPR (Yes))
- ☐ Patient Name
- ☐ Attending Surgeon (From Who's on Call)

Time Stat line called:

2. Enter "ECPR ECMO Initiation" order set into Epic, includes Heparin (*fellow or APRN*)

3. Obtain ECMO procedure and blood consent (ECMO fellow/surgeon)

4. Prepare patient

- ☐ Use Room Layout Diagram to Position Bed and Equipment, move furniture towards parent area or into the bathroom
- ☐ Extra suction canister and tubing (PCA)
- ☐ Establish IV access and add 60" tubing to push line, standing away from surgical field (bedside RN)
- ☐ Shoulder roll under patient (neck cannulations) ECMO *fellow or surgeon to place (PCA)*
- ☐ Order and Prepare Medications:
 - Code medications
 - Epinephrine 20 doses
 - Sodium Bicarbonate 5 doses
 - Calcium Chloride 5 doses
 - Normal Saline 1 liter
 - Make epi gtt
 - Heparin for cannulation (give lower dose 50 units/kg or hold in case of bleeding patient)
 - Analgesic/Sedative/Paralytic medication (if needed)
- ☐ Bovie and headlight at bedside with bovie pad (*OR Team*) with room lights on
- ☐ Verify heparin dose and time given (ECMO staff with bedside RN)
- ☐ Confirm cannula size and type with surgeon (ECMO Clinician) on ECLS Watcher sheet

Time ECMO Initiated:

Left Side Patient Room

Step 1. Move items into

bathroom:

- ☐ Recliner
- ☐ Round table and phone
- ☐ WOW
- ☐ Headboard

Step 2.

- ☐ HOB towards door
- ☐ Foot of bed toward bathroom (Bovie will be on left side of HOB)

Step 3.

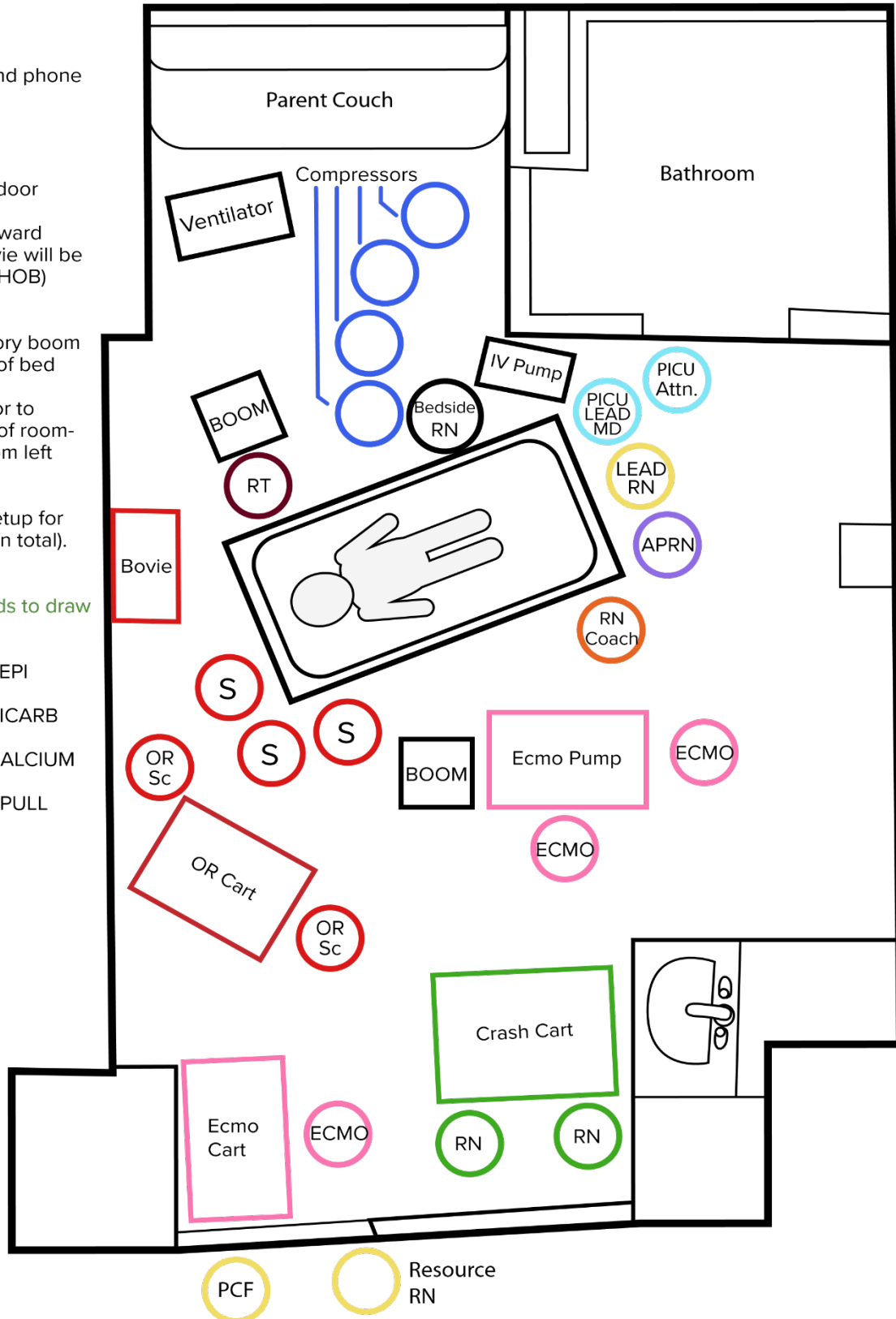
Move respiratory boom down, middle of bed

- ☐ Move Ventilator to opposite side of room-bag patient from left side boom
- ☐ Add suction setup for OR (4 set ups in total).

Step 4.

Crash cart meds to draw up:

- ☐
 - o 20 doses of EPI
 - o 5 doses of BICARB
 - o 5 doses of CALCIUM
 - o 1L NS PUSH PULL
 - o EPI gtt



**** Blue Side: 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 21, 23 Gold Side: 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48**



PICU ECLS Preparation: ECPR

PICU PCF
PICU Provider
OR Team
Bedside RN/Satff

1. Activate ECMO – Use black ring down phone to call STAT Line (2-2574) and give following information: (PCF)

- ☐ General Surgery or Cardiac ECMO
- ☐ Unit G3 PICU
- ☐ Room _____
- ☐ Medical Record Number _____
- ☐ Patient weight _____
- ☐ ECPR (Yes)
- ☐ Patient Name
- ☐ Attending Surgeon (From Who's on Call)

Time Stat line called:

2. Enter "ECPR ECMO Initiation" order set into Epic (*fellow or APRN*) includes Heparin

3. Obtain ECMO procedure and blood consent (ECMO fellow/surgeon)

4. Prepare patient

- ☐ Use Room Layout Diagram to Position Bed and Equipment, move furniture towards parent area or into the bathroom
- ☐ Extra suction canister and tubing (PCA)
- ☐ Establish IV access and add 60" tubing to push line, standing away from surgical field (bedside RN)
- ☐ Shoulder roll under patient (neck cannulations) ECMO *fellow or surgeon to place (PCA)*
- ☐ Order and Prepare Medications:
 - Code medications
 - Epinephrine 20 doses
 - Sodium Bicarbonate 5 doses
 - Calcium Chloride 5 doses
 - Normal Saline 1 liter
 - Make epi gtt
 - Heparin for cannulation (give lower dose 50 units/kg or hold in case of bleeding patient)
 - Analgesic/Sedative/Paralytic medication (if needed)
- ☐ Bovie and headlight at bedside with bovie pad (*OR Team*) with room lights on
- ☐ Verify heparin dose and time given (ECMO staff with bedside RN)
- ☐ Confirm cannula size and type with surgeon (ECMO Clinician) on ECLS Watcher sheet

Time ECMO Initiated: