**Goal-Directed Comfort Algorithm (Page 1 of 2 – Day of Intubation)**

**Patients <40 KG**

1. Is the patient in pain (FLACC >4)?

   - **Yes**
     - 2. BOLUS
       - Fentanyl 1mcg/kg/dose IV Q15 minutes until goal FLACC (max 8 doses)

   - **No**
     - 3. Is RASS is more + than goal?
       - BOLUS
         - Midazolam 0.05mg/kg/dose IV Q15 minutes until goal RASS (max 8 doses)

4. Is patient still in pain after 3 doses?

   - **Yes**
     - 5. INCREASE BOLUS
       - Fentanyl 2 mcg/kg/dose IV Q15 minutes until goal FLACC (max 8 doses for Box 2 + Box 5)

   - **No**
     - 7. Is RASS still greater than goal after 3 doses?
       - INCREASE BOLUS
         - Midazolam 0.1mg/kg/dose Q15 minutes until goal RASS (max 8 doses for Box 3 + Box 7)
         - OR
         - Start Dexmedetomidine 0.3 mcg/kg/hr

8. Anticipated length of intubation?

   - **Less than 2 days**
     - Continue Intermittent Dosing And Dexmedetomidine

   - **More than 2 days**
     - Start Continuous Infusions with Rescue doses

9. Is the patient in pain (FLACC >4)?

   - **Yes**
     - 10. PAIN/ANXIETY
       - FLACC >4
       - Fentanyl 1-2 mcg/kg/dose IV q 1 hour PRN

   - **No**
     - 11. ANXIETY
       - RASS > goal (default -1 to 0)
       - Dexmedetomidine at 0.3mcg/kg/hr

12. If failure of intermittent doses, or decision to maintain longer duration of intubation move to BOX 13 and NOTIFY MD

13. More than 2 days

14. PAIN/ANXIETY
   - Fentanyl infusion @ 1 mcg/kg/hr
   - ANXIETY
     - Dexmedetomidine infusion @ 0.3mcg/kg/hr

15. PRN RESCUE or PRE-PROCEDURAL BOLUS
   - 1 hour dose of infusion
     - Fentanyl 1mcg/kg/dose IV q 1 hr
Goal-Directed Comfort Algorithm (Page 2 of 2 – Continuous Infusion Titration)

Is the patient at their RASS and FLACC goals?

RASS is MORE than target or FLACC >4, ie UNDERSEDATED

If patient needs >3 boluses in 4 hours, titrate or initiate infusion

20
RASS is MORE than target or FLACC >4, ie UNDERSEDATED

21
PRN RESCUE
1 hour dose of infusion
Fentanyl 1mcg/kg/dose IV q 15min

22
If patient needs >3 boluses in 4 hours, titrate or initiate infusion

23
PAIN/ANXIETY
FLACC >4
Increase Fentanyl infusion by 1mcg/kg/hour q12
Increase PRN Rescue dose to match hourly infusion rate

24
PAIN/ANXIETY
Continue titration as described in Boxes 20-24
If patient reaches an infusion dose of Fentanyl 4mcg/kg/hour, NOTIFY MD for further instructions

25
ANXIETY
RASS > GOAL
Increase Dexmedetomidine infusion by 0.1 mcg/kg/hr q 30 min

26
ANXIETY
Continue titration as described in Boxes 20-25
If patient reaches an infusion dose of Dexmedetomidine 1.5 mcg/kg/hr NOTIFY MD for further instructions

27
REASSESS GOAL RASS and FLACC
Q1 hour
Titrate accordingly

17
RASS is LESS than target, ie OVERSEDATED

18
HOLD infusion to achieve RASS/FLACC target.
(If on both dexmedetomidine and fentanyl, hold dexmedetomidine infusion first)

19
Restart at 50% of infusion dose once at target

Patients <40 KG

Fentanyl and Dexmedetomidine

NO

NO

Patients <40 KG