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

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
     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
        8. Anticipated length of intubation?
        9. Less than 2 days
           - 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
        - NO
        6. Is RASS still greater than goal after 3 doses?
           - YES
           7. INCREASE BOLUS
              Midazolam 0.1mg/kg/dose
              Q15 minutes until goal RASS
              (max 8 doses for Box 3 + Box 7)
           - NO
           8. Anticipated length of intubation?
           9. Less than 2 days
              - 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
           - NO
           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

Patients <40 KG

Dr. Meg Kihlstrom 1-26-18
16 Is the patient at their RASS and FLACC goals?

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

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

21 PRN RESCUE
1 hour dose of infusion
Fentanyl 1 mcg/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 0.1mcg/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

Patients <40 KG