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

1. **Is the patient in pain (FLACC >4)?**
   - **Yes**
     - **2** BOLUS
       - Fentanyl 50 mcg/dose IV Q15 minutes until goal FLACC (max 8 doses)
     - **4** Is patient still in pain after 3 doses?
       - **5** INCREASE BOLUS
         - Fentanyl 75 mcg/dose IV Q15 minutes until goal FLACC (max 8 doses for Box 2 + Box 5)
     - **8** Anticipated length of intubation?
       - **9** Less than 2 days
         - Continue Intermittent Dosing
       - **10** PAIN/ANXIETY
         - FLACC >4
         - Fentanyl 50-75 mcg/dose IV q 1 hour PRN
       - **11** ANXIETY
         - RASS > goal (default -1 to 0)
         - Midazolam 2-3 mg/dose IV q1hr PRN
     - **12** If failure of intermittent doses, or decision to maintain longer duration of intubation move to BOX 13 and NOTIFY MD
   - **No**
     - **3** Is RASS is more + than goal?
       - **BOLUS**
         - Midazolam 2 mg/dose IV Q15 minutes until goal RASS (max 8 doses)
     - **6** Is RASS still greater than goal after 3 doses?
       - **7** INCREASE BOLUS
         - Midazolam 3 mg/dose IV Q15 minutes until goal RASS (max 8 doses for Box 3 + Box 7)
   - **13** More than 2 days
     - Start Continuous Infusions with Rescue doses
     - **14** PAIN/ANXIETY
       - Fentanyl infusion @ 50 mcg/hr
     - ANXIETY
       - Midazolam infusion @ 2 mg/hr
       - * May substitute Lorazepam 2 mg q4 hr/q2 hr PRN
     - **15** PRN RESCUE or PRE-PROCEDURAL BOLUS
       - 1 hour dose of infusion
       - Fentanyl 50 mcg/dose IV q1 hr
       - Midazolam 2 mg/dose IV q 1 hr

Patients >40 KG

*May substitute Lorazepam 2 mg q4 hr/q2 hr PRN
Goal-Directed Comfort Algorithm (Page 2 of 2 – Continuous Infusion Titration)

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 midazolam and fentanyl, hold midazolam 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 50mcg/dose IV q 15min
Midazolam 2mg/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 25mcg/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 200mcg/hour,
NOTIFY MD for further instructions

25 ANXIETY
RASS > GOAL
Increase Midazolam infusion by 0.5mg/hr q12
Increase PRN Rescue dose to match hourly infusion rate

26 ANXIETY
Continue titration as described in Boxes 20-25
If patient reaches an infusion dose of Midazolam 4mg/hr,
NOTIFY MD for further instructions

27 REASSESS GOAL RASS and FLACC
Q1 hour
Titrate accordingly

Fentanyl and Midazolam

Patients >40 KG