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 50 mcg/dose IV Q15 minutes until goal FLACC
       - (max 8 doses)
     - **4** Is patient still in pain after 3 doses?
       - **YES**
         - **5** INCREASE BOLUS
           - Fentanyl 75 mcg/dose IV Q15 minutes until goal FLACC
           - (max 8 doses for Box 2 + Box 5)
       - **NO**
         - **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

     - **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?
         - **YES**
           - **7** INCREASE BOLUS
             - Midazolam 3 mg/dose IV Q15 minutes until goal RASS
             - (max 8 doses for Box 3 + Box 7)
         - **NO**
           - **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

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Goal-Directed Comfort Algorithm (Page 2 of 2 - Continuous Infusion Titration)

1. Is the patient at their RASS and FLACC goals?
   - Yes
   - No

   16 RASS is LESS than target, ie OVERSEDATED
      - Hold infusion to achieve RASS/FLACC target.
        (If on both midazolam and fentanyl, hold midazolam infusion first)
      - Restart at 50% of infusion dose once at target

   17 RASS is MORE than target or FLACC >4, ie UNDERSEDATED
      - PRN RESCUE
        1 hour dose of infusion
        Fentanyl 50mcg/dose IV q 15min
        Midazolam 2mg/dose IV q 15min
      - If patient needs >3 boluses in 4 hours, titrate or initiate infusion

   20 If patient reaches an infusion dose of:
      - Fentanyl 200mcg/hour
        NOTIFY MD for further instructions
      - Midazolam 4mg/hr
        NOTIFY MD for further instructions

2. Patients >40 KG

3. Fentanyl and Midazolam

4. NO

5. Yes

6. Titrate accordingly

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