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**
     - 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**
     - 6. 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)

8. Anticipated length of intubation?
   - **LESS THAN 2 DAYS**
     - Continue Intermittent Dosing
       - 10. **PAIN/ANXIETY**
         - FLACC >4
           - Fentanyl 1-2 mcg/kg/dose IV q 1 hour PRN
       - 11. **ANXIETY**
         - RASS > goal (default -1 to 0)
           - Midazolam 0.05 – 0.1 mg/kg/dose IV q1hr PRN
     - **IF FAILURE OF INTERMITTENT DOSES, OR DECISION TO MAINTAIN LONGER DURATION OF INTUBATION MOVE TO BOX 13 AND NOTIFY MD**
   - **MORE THAN 2 DAYS**
     - Start Continuous Infusions with Rescue doses
       - 14. **PAIN/ANXIETY**
         - Fentanyl infusion @ 1 mcg/kg/hr
       - **ANXIETY**
         - Midazolam infusion @ 0.05 mg/kg/hr
         * May substitute Lorazepam 0.1mg/kg q4 hr (max 2mg)

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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?**

   16. **Yes**
      - **RASS is LESS than target, ie OVERSEDATED**
        - 17. **HOLD infusion to achieve RASS/FLACC target.**
            - If on both midazolam and fentanyl, hold midazolam infusion first
        - 18. **Restart at 50% of infusion dose once at target**

   16. **No**
      - **RASS is MORE than target or FLACC >4, ie UNDERSEDATED**
        - 20. **PRN RESCUE**
            - 21. 1 hour dose of infusion
                - Fentanyl 1 mcg/kg/dose IV q 15min
                - Midazolam 0.05 mg/kg/dose IV q 15min
        - 22. **If patient needs >3 boluses in 4 hours, titrate or initiate infusion**

      19. **PAIN/ANXIETY**
          - **FLACC >4**
            - 23. Increase Fentanyl infusion by 1 mcg/kg/hour q12
            - Increase PRN Rescue dose to match hourly infusion rate
          - **RASS > GOAL**
            - 24. Increase Midazolam infusion by 0.05 mg/kg/hr q12
            - **ANXIETY**
              - Continue titration as described in Boxes 20-24
              - If patient reaches an infusion dose of Fentanyl 4 mcg/kg/hour, NOTIFY MD for further instructions
          - 25. **ANXIETY**
              - Continue titration as described in Boxes 20-25
              - If patient reaches an infusion dose of Midazolam 0.2 mg/kg/hr, NOTIFY MD for further instructions

27. **REASSESS GOAL RASS and FLACC**
    - Q1 hour
    - Titrate accordingly

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**Patients <40 KG**