NEW PCA (CADD) orders

On February 22, 2012 the institution will be changing from our current PCA pump to a new CADD pump. This device will also be used for all opioid and benzodiazepine infusions in the adult ICU’s. Here is some helpful information:

- **Placing ORDERS:** All CADD orders must be placed using order sets. (Search by using the word CADD).
- **Names of order sets:** CADD PCA (PCA only, PCA & Basal, Subcutaneous), Continuous Infusion (ICU), and Neuraxial (Epidural, Regional, Spinal). The CADD orders will also replace all current PCA, adult ICU controlled infusions, and Epidural orders that are currently in other orders sets.
- **Order Categories:** EPIC PCA orders will include Opioid Naïve vs. Opioid Tolerant vs.Ultra Tolerant options for each opioid choice:
  - Opioid Naïve -- for use in patients with minimal exposure to opioids
  - Opioid Tolerant – consistent opioid use for 6 weeks or greater
  - Opioid Ultra Tolerant – High concentrations used exclusively for chronic high dose opioid users including those patients requiring rapid titration for palliative care patients
- **New feature – “Provider” controlled analgesia in the ICU:** All ICU continuous infusion orders for opioids and benzodiazepines will now contain the option for a “PCA” (nurse-controlled) dose that is intended to allow the RN to give small, supplemental doses.
- **New feature- Clinician Bolus:** Additional PRN opioid dosing for breakthrough pain can be entered via a preordered CLINICIAN BOLUS or can be entered as a ‘now’ dose during treatments/procedures. This allows use of the pump for such PRN orders instead of obtaining additional meds from PYXIS. This option is part of both PCA and ICU infusion order sets.
- **Institutional CADD defaults:** Pharmacy And Therapeutics Committee approved default settings for each category: All components (Dose, lockout, basal) will have hard & soft minimum and maximum parameters. If required dose exceeds HARD LIMIT move to the next category.
- **Preference lists:** All old PCA orders will automatically be removed from preference lists.

**Details**

**CADD pumps will now replace Baxter I-Pumps**

1. **Placing ORDERS:** All CADD orders must be placed using order sets. (Search by using the word CADD).
2. **Names of order sets:** CADD PCA (PCA only, PCA & Basal, Subcutaneous), Continuous Infusion (ICU)and Neuraxial (Epidural, Regional, Spinal). The CADD orders will also replace all current PCA, adult ICU controlled infusion and Epidural orders that are currently in other orders sets.
3. **Order Categories**: EPIC PCA orders will include Opioid Naïve vs. Opioid Tolerant vs. Ultra Tolerant options:
   a. **OPIOID Naïve** -- for use in patients with minimal exposure to opioids
   b. Opioid Tolerant – consistent opioid use for 6 weeks or greater
   c. Opioid Ultra Tolerant – High concentrations used exclusively for chronic high dose opioid users including those patients requiring rapid titration for palliative care patients
   d. All standard IV/SubQ PCA solutions will be in 100 mL tamper-proof cartridges, Neuraxial (Epidurals, Regional, Spinal) & will be in standard 250 mL tamper-proof cartridges.

4. There will be a preprogrammed drug library in the pumps based on the standardized EPIC orders.
   a. To ensure safety and efficacy, the UVa Pain Guidelines recommend that breakthrough opioids be the same as the PCA opioid. Avoid additional orders that require withdrawal from PXYIS. The exception is when transitioning the patient to oral opioids while titrating down on PCA (or when patient is receiving Neuraxial infusions and orders are entered by the APS).

5. **New feature – “Provider” controlled analgesia in the ICU**: All ICU continuous infusion orders for opioids and benzodiazepines will now contain the option for a “NCA” (nurse-controlled) dose that is intended to allow the RN to give small, supplemental doses of the medication by simply pushing the “PCA” button on the pump. This “PRN” approach will be recorded every four hours on the doc flowsheet, just like a true PCA order.

6. **New feature- Clinician Bolus**: Additional PRN opioid dosing for breakthrough pain can be entered via a preordered CLINICIAN BOLUS or can be entered as a ‘now’ dose during treatments/procedures. This allows use of the pump for such PRN orders instead of obtaining additional meds from PYXIS. This option is part of both PCA and ICU infusion order sets.
7. **Institutional CADD defaults**: Pharmacy And Therapeutics Committee approved default settings for each category: All components (Dose, lockout, basal) will have hard & soft minimum and maximum parameters. If required dose exceeds HARD LIMIT move to the opioid tolerant category.