

The MOD[®] - A Better Solution for Pain Management



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AVANCEN
IMPROVING PATIENT CARE AT THE BEDSIDE

MOD[®]

How the MOD[®] Works

The MOD[®] - Medication on Demand - is changing the way oral pain medications are delivered at the bedside on an as needed basis. The MOD[®] is a patient controlled analgesia (PCA) oral drug delivery system for pills or capsules. The device eliminates the need for a patient to request a dose from the nurse and wait for the delivery of the medication each time oral pain medication is needed.

A disposable medication tray containing eight doses of the physician prescribed oral pain medication is delivered to the patient unit by the pharmacy. The nurse loads the tray into the MOD[®] and programs the device using a simple wizard software using a wireless PDA or laptop system.

The device is delivered to the patient's bedside and locked onto an IV pole within easy reach of the patient. The patient wears a Radio Frequency Identification (RFID) wristband that has been programmed into the device. When the lock-out interval has passed, the patient sees the bright green ready light on the MOD[®]. To request a dose of medication the patient follows these three easy steps:

- Touches the pain scale to record the pain level and activate the RFID reader within the device
- Swipes the RFID wristband over the front of the device to turn the tray to the open position
- Removes a single pill from the device and takes the medication



Better Pain Management

The MOD[®] oral PCA device provides health care facilities an improved way to manage pain at the bedside.

- A patient's pain score is recorded with each dose for JCAHO compliance.
- Bedside access to the device is secure and controlled using Radio Frequency Identification (RFID) technology.
- 95% of patients who used the MOD[®] in a clinical trial were highly satisfied with its ease of use and reported better control of their pain.¹
- 84% of nurses in a clinical trial reported that using the MOD[®] with their patients saved them time.¹

Better Overall Patient Satisfaction

Clinical trials have shown that patients who have the ability to access their own pain medications report better pain control and overall satisfaction.² The MOD[®] allows an improved transition from the intravenous PCA to an oral PCA pain program prior to discharge. This approach can prevent re-admissions or emergency room visits for pain control after discharge.

Better Nursing Satisfaction

Nursing time saved with the MOD[®] use will free up more time to devote to better quality care. Additionally, allowing patients controlled access to their own pain medication decreases the moral stress nurses often experience when balancing concurrent patient needs during any given shift.

Safer, More Cost Effective Care

The MOD[®] may help hospitals reduce costs in materials, equipment and staff time. Pain management with oral medications is the preferred route of control once patients can take oral medications. The MOD[®] is an easier, safer, non-invasive PCA device.³ There is less risk of medication errors since eight doses of the same medication are validated at one time.

A Better Way to Manage Pain

The MOD[®] offers hospitals, clinical facilities, healthcare professionals and patients a better way to manage pain.

Features ...

Ease of pill delivery - patient can use finger and does not need to pick up or move the MOD[®]

Lighting signals notify the patient when the device is "ready" and can be activated to remove one dose of medication

Easy to program

Programmable for each patient to allow customized dosage, timing and access per doctor's orders

MOD[®] memory retains patient data

The MOD[®] is locked and unlocked using the software program

Access allowed only with patented RFID Wristband unique to each patient

RFID Wristband has a special security feature

Device is locked onto a customized security tray locked onto an IV pole

Medications can be seen through the clear cover

Fluid resistant clear cover and casing

Benefits ...

Enables even the least mobile or frail patients to easily access medication

Patients can tell by viewing the light signal even in a dark room that the device can be activated

Easily accommodates changes in medication/dosing time intervals

Enables patients, whatever medication needs they have, to receive pain relief on a timely basis

Dispense data and pain scores can be obtained and printed to transfer into the patient chart

Eliminates entry and medication access by unauthorized patients or personnel

Reduces possibility of medication diversion

The RFID Wristband is disabled when cut off the patient

Helps prevent the unauthorized removal of the device from the patient's room

Provides an easy pill count for nurse and patient

Device cover and materials allow the device to be easily cleaned

Increased patient comfort, greater satisfaction, and better pain management. The MOD[®]. Truly improving patient care at the bedside.

References

¹ Rosati J, Gallagher M, Shook B et al. Evaluation of an oral patient-controlled analgesia device for pain management in oncology inpatients, manuscript submitted for publication.

² Hudcova J, McNicol E, Quah C et al. Patient controlled opioid analgesia versus conventional opioid analgesia for postoperative pain. Cochrane Database Syst Rev. 2006; Issue 4, Art. No: CD003348, 1-67.

³ Cohen MR, Smetzer J. Patient-controlled analgesia safety issues. J Pain Palliative Care Pharmacotherapy 2005; 19:45-50.