# Pharmacy and Nursing Collaborative: A Multidisciplinary Approach to Patient Safety

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## Kaizen Committee

The purpose of the Kaizen Committee is to provide amazing service by enhancing patient care and safety through improvement of the medication management system.

Kaizen Committee currently has 40 interdisciplinary active members, many with over 5 years of service. Membership consists of inpatient and ambulatory nurses, pharmacists and respiratory therapists.

Care areas represented include Med-Surg, ICU, Operative Services, Ambulatory, Pharmacy, Pyxis, Medication Safety, Nursing Informatics, Educator Council and Nurse Manager Council.

## Kaizen Philosophy

Kaizen is a Japanese word meaning gradually and orderly, continuous improvement. The Kaizen Committee strives to provide continuous quality improvement through the combined efforts of a multidisciplinary team.

## Kaizen Committee Responsibilities

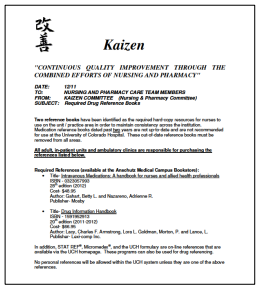
Kaizen Committee's annual activities and responsibility to the hospital include:

- Review and approval of medication-related policies
- Review and approval of Automated Dispensing System (Pyxis®) Medication Override List
- Review, approval and implementation of physician order sets
- Other medication related initiatives
  - ✓Do Not Tube List
  - ✓MINI-BAG Plus Diluent Chart
  - ✓Multi-dose Vial Labeling Guidelines

## Kaizen Committee Actions

Kaizen Committee co-chairs create a "Monthly Tip Sheet" following each committee meeting to ensure that members accurately share meeting actions with staff. Formal minutes and other handouts are posted on the Committee website.

## Kaizen Bulletins



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*"CONTINUOUS QUALITY IMPROVEMENT THROUGH THE COMBINED EFFORTS OF NURSING AND PHARMACY"*

DATE: 12/11
TO: NURSING AND PHARMACY CARE TEAM MEMBERS
FROM: KAIZEN COMMITTEE (Nursing & Pharmacy Committee)
SUBJECT: Required Drug Reference Books

Two reference books have been identified as the required hard-copy resources for nurses to use on the unit / practice area in order to maintain consistency across the institution. Medication reference books dated past two years are not up-to-date and are not recommended for use at the University of Colorado Hospital. These out-of-date reference books must be removed from all areas.

All adult, inpatient units and ambulatory clinics are responsible for purchasing the reference listed below.

Required References (available at the Anschutz Medical Campus Bookstore):

- Title: Intravenous Medications: A handbook for nurses and allied health professionals
  ISBN : 0323057900
  (2nd edition 2012)
  Author: Gahart, Betty L. and Nazareno, Adrienne R.
  Publisher: Mosby
- Title: Drug Information Handbook
  ISBN : 1591953913
  (20th edition (2011-2012)
  Author: Lacy, Charles F. Armstrong, Lora L. Goldman, Morton, P. and Lance, L.
  Publisher: Lexi-comp Inc.

In addition, START, IDEP, Micromedex®, and the UCH formulary are on-line references that are available via the UCH homepage. These programs can also be used for drug referencing.

No personal references will be allowed within the UCH system unless they are one of the above references.

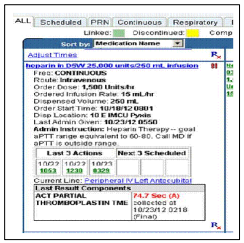
Kaizen Committee is guided by the hospital's shared leadership model. One method used to communicate practice changes affecting staff is through Kaizen Bulletins.

## Medication Safety Initiatives

### Initiatives to decrease incidence of heparin-related medication errors

Kaizen Committee provided input on the following actions:

- New "Independent Double Check" policy approved
- Implementation of the internal "6 Rights in 6 Months" campaign highlighting one medication administration "right" per month
- PTT results displayed on the Medication Administration Record (MAR) to decrease PTT-related errors (see below)



ALL | Scheduled | PRN | Continuous | Respiratory

Linked: Discontinued Comp

Sort by: Medication Name

Adjust Times

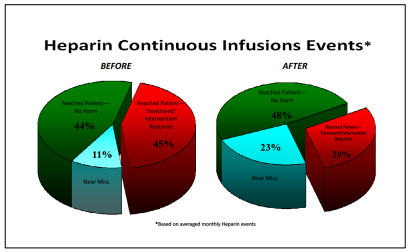
**Heparin in D5W 25,000 units/250 mL infusion**
Freq: CONTINUOUS
Route: Intravenous
Order Dose: 1,500 Units/hr
Ordered Infusion Rate: 15 mL/hr
Dispensed Volume: 250 mL
Order Start Time: 10/18/12 0801
Drug Location: 10 E IMCU Pyxis
Last Admin Given: 10/23/12 0550
**Admin Instruction:** Heparin Therapy -- goal aPTT range equivalent to 60-80. Call MD if aPTT is outside range.

| Last 3 Actions | | Next 3 Scheduled |
|---|---|---|
| 10/22 1853 | 10/23 1230 | 10/23 1925 |

Current Line: Peripheral IV Left Antecubital

| Last Result Components | |
|---|---|
| ACT PARTIAL THROMBOPLASTIN TIME | 74.7 Sec (A) (collected at 10/23/12 2218 (Final)) |

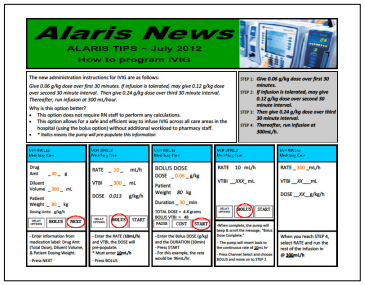
Since implementation of PTT results displaying on the MAR, there have been **ZERO** PTT-related medication errors reported.



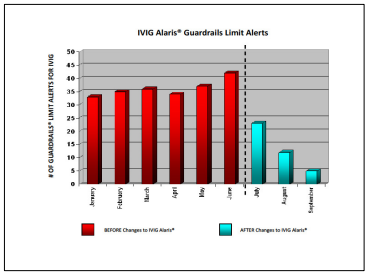

## Medication Safety Initiatives

### Alaris® SmartPump Technology: Intravenous Immunoglobulin (IVIG) pump administration changes and outcomes

Kaizen Committee provided input and staff education regarding a change to how IVIG was built in the Alaris® SmartPump. This change resulted in a decrease of pump alerts and improper pump programming.



**Alaris News**
ALARIS TIPS ~ July 2012
How to program IVIG




*The authors would like to acknowledge Sondra May, PharmD and Sylvia Park, RN, BSN for their contributions to this poster.*

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CCNE Accredited Commission on Collegiate Nursing Education