

# Humalog and Lantus Insulin Changes

Effective May 16, 2016

# Insulin Changes

## Situation:

Insulin is time consuming, costly and our current process is ineffective

## Background:

All inpatient units: each patient has their own vial of insulin

- ❖ Insulin gets lost
- ❖ Insulin does not get transferred
- ❖ Whole vial is charged to patient even if they only get 1 dose
- ❖ Turn around time is an issue

## Assessment:

SICU and S5 have successfully piloted Humalog and Lantus insulin in Pyxis

## Recommendation:

We will go house wide with Humalog and Lantus insulin in Pyxis beginning May 16<sup>th</sup>, 2016. **Pharmacy will enter only NEW orders with new process and will phase out old orders with time.**

# Insulin

All units will make the change EXCEPT NICU

**Humalog and Lantus** insulin will each be loaded in Pyxis as **1 UNIT per 0.01 ML**  
All other insulin will be dispensed or vial sent

Barcode labels will be in the pocket to attach to syringe so you can scan the medication

## **PROCESS:**

Retrieve insulin dose from Pyxis and label syringe. **LEAVE VIAL IN PYXIS**

Scan armband

Scan barcode

Adjust amount of dose to be given

❖ Meditech will display under scan. You must ADJUST the dose OR SCAN until the amount to be administered matches

Save

Scan report will reflect the medication was scanned even with dose adjusted.

# Scan armband and Humalog insulin barcode

Software by MEDITECH

Dose Verification

Start	Medication	Dose	Next Sched	History	Assoc
Stop		Route	Ack/View Ord	Monograph	Asmnt
Current Status		Frequency	Adjustment	Co-sign	Ref Err
02/09/16 1200	Rx CM02823955 <b>HumaLOG</b> Insulin Lispro 1 unit/0.01 mL	<b>6 UNIT</b> < 0.06 ML >	<b>02/09 1200</b> 02/09 1700		▶
Active		SUBCUT TID W/MEALS		▶ Co-sign	▶

Dose to Administer:

Select	Type	Amount
<input type="radio"/>	Ordered	6 UNIT
<input type="radio"/>	Scanned	1 UNIT
<input type="radio"/>	Under by	5 UNIT

Please Scan Additional Units

Will show under scan

Software by MEDITECH

Dose Verification

Start	Medication	Dose	Next Sched	History	Assoc
Stop		Route	Ack/View Ord	Monograph	Asmnt
Current Status		Frequency	Adjustment	Co-sign	Ref Err
02/09/16 1200	Rx CM02823955 <b>HumaLOG</b> Insulin Lispro 1 unit/0.01 mL	<b>6 UNIT</b> < 0.06 ML >	<b>02/09 1200</b> 02/09 1700		▶
Active		SUBCUT TID W/MEALS		▶ Co-sign	▶

Dose to Administer:

Dose

7	8	9
4	5	6
1	2	3
←	0	.

Unit

Adjust amount to dose to be given

02/09/16 1200	Rx CM02823955 ✓ HumaLOG Insulin Lispro 1 unit/0.01 mL	6 UNIT < 0.06 ML >	02/09 1200 02/09 1700		▶
Active 		SUBCUT			▶ ▶
		TID W/MEALS		Co-sign	
Administered - 02/09/16 at 0909 (02/09/16 1200) 6 UNIT					

Save

Start	Medication	Dose	Next Sched	History	Assoc
Stop		Route	Ack/View Ord	Monograph	Asmnt
Current Status		Frequency	Adjustment	Co-sign	Ref Err
02/09/16 1200	Rx CM02823955 <b>HumaLOG</b> Insulin Lispro 1 unit/0.01 mL	6 UNIT < 0.06 ML >	02/09 1700 02/10 0800	0909 10 mins 6 UNIT	▶
		SUBCUT		▶	▶
Active		TID W/MEALS		Co-sign	

  

Scheduled	Performed by	Entered by	Performed from	Dose Given	Admin Comment Non-Admin Reason	Asmnt	Type
02/09/2016 1200	Phariss, Regina 02/09/2016 0909	Phariss, Regina 02/09/2016 0909 Co-signed by Ramsey, Staci C	PCS	6 UNIT		▶	Admin
	Phariss, Regina 02/09/2016 0903	Phariss, Regina 02/09/2016 0903	PCS				Ack

History of what was administered!

# Repeat process for Lantus

## Scan armband and Lantus insulin barcode

Software by MEDITECH

Dose Verification

Start	Medication	Dose	Next Sched	History	Assoc
Stop		Route	Ack/View Ord	Monograph	Asmnt
Current Status		Frequency	Adjustment	Co-sign	Ref Err
02/09/16 0903	Rx: CM02823956 <b>Lantus</b> Insulin Glargine 1 unit/0.01 mL	<b>24 UNIT</b> < 0.24 ML >	<b>02/09 0903</b> 02/10 0900		▶
Active		SUBCUT DAILY		▶ Co-sign	▶

Dose to Administer:

Scan Adjust

Select	Type	Amount
<input type="radio"/>	Ordered	24 UNIT
<input type="radio"/>	Scanned	1 UNIT
	Under by	23 UNIT

Will show under scan

Please Scan Additional Units

Software by MEDITECH

Dose Verification

Start	Medication	Dose	Next Sched	History	Assoc
Stop		Route	Ack/View Ord	Monograph	Asmnt
Current Status		Frequency	Adjustment	Co-sign	Ref Err
02/09/16 0903	Rx: CM02823956 <b>Lantus</b> Insulin Glargine 1 unit/0.01 mL	<b>24 UNIT</b> < 0.24 ML >	<b>02/09 0903</b> 02/10 0900		▶
Active		SUBCUT DAILY		▶ Co-sign	▶

Dose to Administer:

Scan Adjust

Dose  Unit

7	8	9
4	5	6
1	2	3
←	0	.

Adjust dose

02/09/16 0903	Rx CM02823956 <b>Lantus</b> Insulin Glargine 1 unit/0.01 mL	24 UNIT < 0.24 ML >	02/09 0903 02/10 0900		▶
		SUBCUT			▶ ▶
Active 		DAILY		Co-sign	
Administered - 02/09/16 at 0918 (02/09/16 0903) 24 UNIT					

Save

Start	Medication	Dose	Next Sched	History	Assoc
Stop		Route	Ack/View Ord	Monograph	Asmnt
Current Status		Frequency	Adjustment	Co-sign	Ref Err
02/09/16 0903	Rx CM02823956 <b>Lantus</b> Insulin Glargine 1 unit/0.01 mL	24 UNIT < 0.24 ML >	02/10 0900	0918 1 min 24 UNIT	▶
		SUBCUT		▶	▶
Active		DAILY		Co-sign	

  

Scheduled	Performed by	Entered by	Performed from	Dose Given	Admin Comment Non-Admin Reason	Asmnt	Type
02/09/2016 0903	Phariss, Regina 02/09/2016 0918	Phariss, Regina 02/09/2016 0918 Co-signed by Ramsey, Staci C	PCS	24 UNIT		▶	Admin
	Phariss, Regina 02/09/2016 0904	Phariss, Regina 02/09/2016 0904	PCS				Ack

History of what was administered!

02/09/16 1200	Rx CM02823955 <b>HumaLOG</b> Insulin Lispro 1 unit/0.01 mL	6 UNIT < 0.06 ML >	02/09 1700 02/10 0800	0909 11 mins 6 UNIT	▶
Active		SUBCUT		▶	▶
		TID W/MEALS		Co-sign	
02/09/16 0903	Rx CM02823956 <b>Lantus</b> Insulin Glargine 1 unit/0.01 mL	24 UNIT < 0.24 ML >	02/10 0900	0918 2 mins 24 UNIT	▶
Active		SUBCUT		▶	▶
		DAILY		Co-sign	

## Scan report shows that medication was scanned

Admin User	Admin Date	Admin Location	Patient	Rx Num	Medication	Incrementally	Medication Scanned
------------	------------	----------------	---------	--------	------------	---------------	--------------------

Facility: Covenant Medical Center

100.00%

PHARISRE01	02/09/16	TOMCARREH	TEST, FIVESIX SIX	CM02823956	Inaulin Glargin, Hum. Rec. Anlog 1 UNIT/0.01 ML UNIT		Y
PHARISRE01	02/09/16	TOMCARREH	TEST, FIVESIX SIX	CM02823955	Inaulin Lispro 1 UNIT/0.01 ML UNIT		Y

## Humalog = Sliding Scale VS. Scheduled

In Pyxis,

**You must know how many units you are giving with sliding scale insulin. The window will be blank. Enter the amount how many units you are giving for the patient to be charged correctly.**

**Example:** Blood Sugar 175= 2 units to be given- ENTER 2 in Pyxis  
Scheduled doses will default and tell you how much to retrieve.

In Meditech,

When the Humalog barcode is scanned and you have **Scheduled and SSI** on the profile, both will appear and you must **SELECT and DOCUMENT** the exact amounts given on each as appropriate.

**Patients are charged from dispensing in Pyxis not Meditech documentation**

# Sliding scale and scheduled Humalog example

Start Stop Current Status	Medication	Dose	Next Sched	History	Assoc
		Route Frequency	Ack/View Ord Adjustment	Monograph Co-sign	Asmnt Ref Err
02/09/16 1200 Active	Rx CM02823955 <b>HumaLOG</b> Insulin Lispro 1 unit/0.01 mL	<b>6 UNIT</b> < 0.06 ML > SUBCUT TID W/MEALS	<b>02/09 1700</b> 02/10 0800	0909 16 mins 6 UNIT Co-sign	▶
02/09/16 0840 Active	Rx CM02823833 <b>HumaLOG</b> Insulin Lispro 100 units/mL 3 mL Vial	(See Protocol) SUBCUT AS DIRECTED PRN SEE PROTOCOL	ACK - NEW	Co-sign	▶

**Label Comments**  
Based on Blood Glucose Monitoring

**Protocol**

	Condition	Dose/Route	Instruction
1	Blood Sugar	Insulin Coverage	
2			
3	Less than 50	See Hypoglycemia Protocol	Notify MD
4	50-79	See Hypoglycemia Protocol	
5	80-149	0 units	
6	150-200	2 units	
7	201-250	4 units	
8	251-300	6 units	
9	301-350	8 units	
10	351-450	10 units	Notify MD
11	Greater than 451	10 units	Notify MD, STAT lab Glucose

Once scanned you will get both orders. Pick correct med

Software by MEDITECH

### Dose Verification

Start Stop Current Status	Medication	Dose	Next Sched	History	Assoc
		Route Frequency	Ack/View Ord Adjustment	Monograph Co-sign	Asmnt Ref Err
02/09/16 0840 Active	Rx CM02823833 <b>HumaLOG</b> Insulin Lispro 100 units/mL 3 mL Vial	(See Protocol) SUBCUT AS DIRECTED PRN SEE PROTOCOL		Co-sign	▶

Label | Protocol

**Dose to Administer:** 5 UNITS

Scan Enter

Dose	Unit
5	UNITS

7	8	9
4	5	6
1	2	3
←	0	.

Select SSI and document, then scheduled (or vice versus) and document although you have total dose in 1 syringe