

Renamed Insulin Corrective Scales

PURPOSE: To disseminate new insulin corrective scale names to nursing staff

SITUATION:

Current corrective scale names that include “aggressive” and “very aggressive” may be confusing and not reflective of purpose to ordering providers.

BACKGROUND:

The new naming system is more patient-centered and easier to understand based on provider and nursing feedback. At least six academic medical centers across the country have naming systems similar to the new proposed names

ASSESSMENT:

New names were approved and adopted to replace the old corrective scale names.

RECOMMENDATIONS

Same scales, new names

Low insulin requirement (new)
Replacing Mild-sliding scale (old)

LOW INSULIN-REQUIREMENT CORRECTIVE SCALE (TDD 0-19 UNITS)

MEALTIME CORRECTIVE INSULIN SCALE		NIGHTTIME CORRECTIVE INSULIN	
Less than 70	Treat for hypoglycemia Notify MD	Less than 110	Treat for hypoglycemia Notify MD
70-80	Subtract 1 unit from Scheduled mealtime dose	180-230	1 unit
81-150	0 units	231-260	1 unit
151-230	1 unit	261-290	1 unit
231-310	2 units	291-320	2 units
311-390	3 units	321-350	2 units
391-470	4 units	351-380	2 units
471-550	5 units and call MD	Greater than 380	3 units
For hypoglycemia: blood sugar less than 70 at daytime or less than 110 at night <ol style="list-style-type: none"> 1. Take 15 grams of carbohydrate, ½ cup of juice or 3-4 glucose tablets 2. Recheck blood glucose in 15-20 minute 3. If blood glucose remains less than 70 at daytime or less than 110 at night take another 15 grams of carbohydrate 4. Recheck blood glucose in 15-20 minutes 5. Continue treating blood glucose until back to target range of 70-130 during the day & 110-150 at bedtime 			

Moderate insulin requirement (new)
Replacing Mild-sliding scale (old)

MODERATE INSULIN-REQUIREMENT CORRECTIVE SCALE (TDD 20-39 UNITS)

MEALTIME CORRECTIVE INSULIN SCALE		NIGHTTIME CORRECTIVE INSULIN	
Less than 70	Treat for low blood sugar Notify MD	Less than 110	Treat for low blood sugar Notify MD
70-80	Subtract 1 unit from Scheduled mealtime dose	180-230	1 unit
81-130	0 units	231-260	2 units
131-180	1 unit	261-290	2 units
181-230	2 units	291-320	3 units
231-280	3 units	321-350	3 units
281-330	4 units	351-380	4 units
331-380	5 units	Greater than 380	5 units
381-430	6 units	For hypoglycemia: blood sugar less than 70 at daytime or less than 110 at night <ol style="list-style-type: none"> 1. Take 15 grams of carbohydrate, ½ cup of juice or 3-4 glucose tablets 2. Recheck blood glucose in 15-20 minute 3. If blood glucose remains less than 70, take another 15 grams of carbohydrate 4. Recheck blood glucose in 15-20 minutes 5. Continue treating blood glucose until back to target range of 70-130 during the day & 110-150 at bedtime 	
431-480	7 units		
Greater than 480	8 units and call MD		

High insulin requirement (new)
Replacing Aggressive-sliding scale (old)

HIGH INSULIN-REQUIREMENT CORRECTIVE SCALE (TDD 40-59 UNITS)

MEALTIME CORRECTIVE INSULIN SCALE		NIGHTTIME CORRECTIVE INSULIN	
Less than 70	Treat for hypoglycemia Notify MD	Less than 110	Treat for hypoglycemia Notify MD
70-80	Subtract 2 unit from Scheduled mealtime dose	180-230	1 unit
81-110	0 units	231-260	2 unit
111-130	0 unit	261-290	3 unit
131-160	1 unit	291-320	4 units
161-190	2 units	321-350	5 units
191-220	3 units	351-380	6 units
221-250	4 units	Greater than 380	7 units
251-280	5 units	For hypoglycemia: blood glucose less than 70 at any time <ol style="list-style-type: none"> 1. Take 15 grams of carbohydrate, ½ cup of juice or 3-4 glucose tablets 2. Recheck blood glucose in 15-20 minute 3. If blood glucose remains less than 70, take another 15 grams of carbohydrate 4. Recheck blood glucose in 15-20 minutes 5. Continue treating blood glucose until back to target range of 70-130 during the day & 110-150 at bedtime 	
281-310	6 units		
311-340	7 units		
341-370	8 units		
371-400	9 units		
401-430	10 units		
431-460	11 units		
Greater than 460	12 units and call MD		

Very High insulin requirement (new)
Replacing the Very Aggressive-sliding scale (old)

VERY HIGH INSULIN-REQUIREMENT CORRECTIVE SCALE (TDD ≥60 UNITS)

MEALTIME CORRECTIVE INSULIN SCALE		NIGHTTIME CORRECTIVE INSULIN	
Less than 70	Treat for low blood sugar Notify MD	Less than 110	Treat for low blood sugar Notify MD
70-80	Subtract 1 unit from Scheduled mealtime dose	180-230	2 units
81-110	0 units	231-260	3 units
111-130	0 units	261-290	4 units
131-160	1 unit	291-320	5 units
161-190	2 units	321-350	6 units
191-220	3 units	351-380	8 units
221-250	4 units	Greater than 380	10 units
251-280	5 units	For hypoglycemia: blood sugar less than 70 at daytime or less than 110 at night <ol style="list-style-type: none"> 1. Take 15 grams of carbohydrate, ½ cup of juice or 3-4 glucose tablets 2. Recheck blood glucose in 15-20 minute 3. If blood glucose remains less than 70, take another 15 grams of carbohydrate 4. Recheck blood glucose in 15-20 minutes 5. Continue treating blood glucose until back to target range of 70-130 during the day & 110-150 at bedtime 	
281-310	6 units		
311-340	7 units		
341-370	8 units		
371-400	9 units		
401-430	10 units		
431-460	11 units		
Greater than 460	12 units and call MD		



Additional Resources

- PolicyTech for diabetes management policies and procedures (Blood Glucose monitoring, Subcutaneous Insulin and /insulin pump Procedure)
- Endocrine consult: Voalte or pager #23636
- Diabetes Education Consult: Voalte or pager #16668