Appendix 1. Insulin nomogram in effect at the time of the study. © 2006 Sunnybrook Health Sciences Centre. Reproduced by permission.



PHYSICIAN'S ORDERS

PHYSICIAN'S ORDERS

All orders shall be DATED, TIMED, and SIGNED
All medication orders shall be written in the GENERIC or non-proprietary name.
All orders shall be written legibly using ball point pen.

PATIENT IDENTIFICATION

| | | | | | | PATIENT IDENTIFICATION | 1 |
|-------------------|--|--|--|---------------------------|--|---|--|
| TIME & DATE | | | | | | | SIGNATURE OF NURSE |
| YY/MM/DD | | | | | | | |
| | | | | | Critica | l Care Insulin Infusion Nomogram | |
| | Yes No Doctor must check off appropriate orders. | | | | | | |
| | Initial Insulin Bolus: (regular human insulin) | | | | | | |
| | | | | | Blood/Capilla | | |
| | | | | | 8.1 - 10 | | |
| | | | | | 10.1 – 14 | | |
| | | | | | 14.1 – 17 17.1 – 20 | | |
| | | | | | 20.1 – 20 | | |
| | | | | | > 24 m | | |
| | | | 2. § | Start Insu | | units/h. Check blood glucose (BS) in one hour. | |
| | | | 3. If not being fed, start D10W at 25 mL/h. Check BS in one hour and continue to | | | | |
| | - | | follow nomogram. | | | | |
| | \vdash | | Call physician if infusion rate > 16 units/h. Follow 'Ongoing Insulin Maintenance Infusion Nomogram' (regular human insulin): | | | | |
| | | | | | | | 1 |
| | | | | | Blood/ Capillary Glucose (mmol/L) | Intervention | Blood/ Capillary Glucose Monitoring |
| | | | | Below Desired | < 3.5 | Hold infusion Give 1 ampoule (50 mL) D50W IV push Call physician for new orders for restarting infusion | - q30 min |
| | | | | Range | 3.5 - 5 | Hold infusion for 30min Recheck BS and restart infusion at 50% of previous rate when BS > 5 mmol/L | 455 |
| | | | | Desired Range | 5.1 - 8 | • NO CHANGES • If BS decreasing by > 1 mmol/L within desired range, decrease infusion rate by 50% | q2h x 3 then q4h |
| | | | | | 8.1 - 10 | Increase infusion by 0.5 unit/h | q90min |
| | | | | Above Desired Range | 10.1 – 14 | Give 2 units IV push & increase infusion by 1 unit/h | |
| | | | | | 14.1 - 17 | Give 4 units IV push & increase infusion by 2 units/h | q1h |
| | | | | | 17.1 - 20 | Give 6 units IV push & increase infusion by 2 units/h | |
| | | | | | 20.1 - 24 | Give 8 units IV push & increase infusion by 2 units/h | |
| | | | | | ļ | | "1 |
| | | | | | > 24.1 | Call physician for new order (infusion rate increase and/or bolus) | |

DISTRIBUTION

Supplementary data for Yamashita S, Ng E, Brommecker F, Silverberg J, Adhikari NKJ. Implementation of the Glucommander method of adjusting insulin infusions in critically ill patients. *Can J Hosp Pharm* 2011;64(5):333-339.

White Original - Chart

PR 36075 (05 - 2006)

Yellow Copy - Pharmacy