

TABLE 2
Society of Hospital Medicine Glycemic Control Task Force Recommendations: Preferred Insulin Regimens for Different Nutritional Situations

Nutritional Situation	Necessary Insulin Components	Preferred Regimen*
NPO (or clear liquids)	Basal insulin: 50% of TDD. Nutritional insulin: None.	Basal insulin: glargine given once daily or detemir given twice daily. Nutritional insulin: None. Correctional insulin: Regular insulin q 6 hours or RAA insulin q 4 hours. Other comments: Dextrose infusion (eg, D5 containing solution at 75-150 cc/hour) recommended when nutrition is held. An IV insulin infusion is preferred for management of prolonged fasts or fasting type 1 diabetes patients.
Eating meals	Basal insulin: 50% of TDD. Nutritional insulin: 50% of TDD, divided equally before each meal.	Basal insulin: glargine given once daily or detemir given twice daily. Nutritional insulin: RAA insulin with meals. Correctional insulin: RAA insulin q AC and HS (reduced dose at HS).
Bolus tube feeds	Basal insulin: 40% of TDD. Nutritional insulin: 60% of the TDD, divided equally before each bolus feed.	Basal insulin: glargine given once daily or detemir given twice daily. Nutritional insulin: RAA insulin with each bolus. Correctional insulin: RAA insulin with each bolus.
Continuous tube feeds	Basal insulin: 40% (conservative) of TDD. Nutritional insulin: 60% of the TDD in divided doses.	Basal insulin: glargine given once daily or detemir given twice daily. Nutritional insulin: RAA insulin q 4 hours or regular insulin q 6 hours. Correctional insulin: Should match nutritional insulin choice.
Parenteral nutrition	Insulin is usually given parenterally, with the nutrition	Initially, a separate insulin drip allows for accurate dose-finding. Then, 80% of amount determined as TDD using drip is added to subsequent TPN bags as regular insulin. Use correctional subcutaneous insulin doses cautiously, in addition

Abbreviations: HS, at bedtime; IV, intravenous; NPO, nothing by mouth; q 4 hours, every 4 hours; q 6 hours, every 6 hours; q AC, before every meal; RAA, rapid-acting analog; TDD, total daily dose; TPN, total parenteral nutrition.

*These are the preferred regimens for most patients in these situations by consensus of the SHM Glycemic Control Task Force. Alternate regimens may appropriately be preferred by institutions or physicians to meet the needs of their own patient population. RAA insulins include lispro, aspart, and glulisine.

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Nič ali malo per os (bistre tekočine)

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Doma zdravljen z insulinom, dobro urejen <ul style="list-style-type: none"> ■ Nadaljevati z glarginom ali detemirjem, 80-100% odmerka od doma ■ Nadaljevati z NPH, 50 – 80% odmerka od doma, ali zamenjati za glargin / detemir <input type="checkbox"/> Doma ni bil na insulinu <ul style="list-style-type: none"> ■ Uvesti bazalni insulin 0.2E / kg TT / dan <input type="checkbox"/> Korekcijski bolusi kratkega na 4-6 h | <ul style="list-style-type: none"> <input type="checkbox"/> Bazalni insulin: 50% CDO <input type="checkbox"/> Prandialni insulin: 0 <input type="checkbox"/> Shema: <ul style="list-style-type: none"> ■ Glargin 1x ali detemir 2x dnevno ■ Prandialni: 0 ■ Korekcija: <i>kratki humani na 6 h</i> ali ultrakratki analog na 4 h. ■ Infuzija glukoze, če bolnik ne je ■ Če dlje časa NPO: kontinuirana iv infuzija |
|---|---|

Donner WT, 2008

Wesorick et al, J Hosp Med 2008

Hrana po sondi, bolusi

- Bazalni insulin: 40% CDO
- Prandialni insulin: 60% CDO, enakomerno razdeljeno med vse boluse
- Shema:
 - Glargin 1x ali detemir 2x dnevno
 - Prandialni: ultrakratki analog ob vsakem bolusu
 - Korekcija: ultrakratki analog ob vsakem bolusu

Wesorick et al, Journal of Hospital Medicine 2008

Hrana po sondi, kontinuirano

- Bazalni insulin: 40% CDO
- Prandialni insulin: 60% CDO, enakomerno razdeljeno med vse boluse
- Shema:
 - Glargin 1x ali detemir 2x dnevno
 - Prandialni: ultrakratki analog vsake 4 ure ali *kratki humani vsakih 6 ur*
 - Korekcija: skupaj s prandialnim insulinom

Wesorick et al, Journal of Hospital Medicine 2008

Parenteralna prehrana

- Parenteralna aplikacija insulina, skupaj s parenteralno prehrano (??? ☹️☹️☹️)
- Na začetku insulin posebej v kontinuirani infuziji – za določitev prave doze
- Kasneje 80% odmerka (kratki humani), ki je bil ugotovljen s kontinuirano infuzijo, dodati v KPP vrečo ☹️☹️☹️
- Korekcijski sc bolusi – previdno ☹️☹️☹️

Wesorick et al, Journal of Hospital Medicine 2008

Kontrole krvnega sladkorja

Ob postelji in ne v laboratoriju!

Priporočila za pogostnost meritev – študij ni, priporočila temeljijo na konsenzualnem mnenju strokovnjakov

Bolnik se hrani per os, insulin s.c.:

- Pred glavnimi obroki – redne kontrole
- Pred spanjem - pogosto
- Ponoči - občasno
- 1.5 h po obrokih – po potrebi

Parenteralna prehrana, insulin v kontinuirani infuziji:

- Stabilna glikemija: na 3 – 4 ure
 - Neurejena glikemija: **vsako uro!!!**
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