

IV insulin infusion protocol

- Do NOT use this protocol for DKA or HHS

- Starting insulin rate: Total daily home insulin dose \div 24 = _____ unit/hour

OR

Per glucose level:

- 180-230 mg (10-12.8 mmol) \rightarrow 1 unit/hour
- 231-280 mg (12.9-15.5 mmol) \rightarrow 2 units/hour
- 280 mg (> 15.5 mmol) \rightarrow 3 units/hour

Capillary glucose mg (mmol)	Action	Capillary glucose monitoring
> 180 mg (10 mmol)	Increase insulin rate by 1 unit/h till target is reached	Every 1 hour (every 30 min. during surgery)
140-180 mg (7.8-10 mmol)	Target Range Keep same insulin rate	- Every 2 hours - Once glucose is stable for 6 hours, monitor every 4 hours
70-139 mg (3.8-7.7 mmol)	Reduce insulin rate by 1 unit/h	check glucose within 1 hour
< 70 mg (3.8 mmol)	- Stop insulin infusion - Give 50 ml of D50 IV - When glucose > 140 mg (7.8 mmol), restart insulin at half previous rate - Call physician	Check glucose every 15 minutes till > 70 mg (3.8 mmol)

Switching from IV to subcutaneous insulin

- This is done once the patient is stable & preferably can eat
- Calculate dose per last IV insulin rate. Rate \times 24 = total daily dose
- Reduce the total daily dose by 20 %
- Divide this dose: $\frac{1}{2}$ as Basal insulin once/day and $\frac{1}{2}$ as meal insulin divided equally TID
- Adjust doses according to capillary glucose monitoring