

## RETRACTION

## Technical and clinical accuracy of five blood glucose meters: clinical impact assessment using error grid analysis and insulin sliding scales

Hannah Lise Sutheran, Timothy Reynolds

J Clin Pathol Published Online First 24 June 2015 doi:10.1136/jclinpath-2014-202797

This article has been retracted at the authors' request pending investigation of comments about the methodology used in the research.

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### Appendix 1a - Obstetric Insulin Sliding Scale

- 1) Infuse 100ml/hr IV 10% dextrose (adjust in cases of concomitant severe pre-eclampsia).
- 2) Via syringe pump, administer 1unit/ml insulin
  - a. 50 units short acting insulin (Actrapid) diluted in 50ml 0.9% saline (sodium chloride)
- 3) Usual insulin dose is 0.5 – 2.0 units/hour. Follow the following insulin regime according to blood glucose (mmol/L) with the aim to maintain glycaemic levels between 4 – 7mmol/L.

Blood Glucose (mmol/L)	Insulin (1 unit/hour = 1ml/hour)
< 4.0	Stop insulin. Administer 200ml/hr dextrose and re-measure glucose after 30 minutes.
4.1 – 4.5	1.0
4.6 – 5.5	1.5
5.6 – 7.0	2.0
7.1 – 9.0	3.0
9.1 – 11.0	4.0
> 11.1	6.0

### Appendix 1b - General adult medicine Insulin Sliding Scale

Infusion Prescription:

50 units Actrapid (insulin) made up to 50ml with 0.9% sodium chloride.

Blood Glucose (mmol/L)	Insulin (1 unit/hour = 1ml/hour)
< 3.0	Stop insulin. Increase dextrose infusion rate 0.3 units/hour.
3.1 – 5.0	1.0
5.1 – 8.0	1.5
8.1 – 12.0	2.0
12.1 – 16.0	4.0
> 16.1	8.0