

Peri-Operative Management of Diabetes Drugs

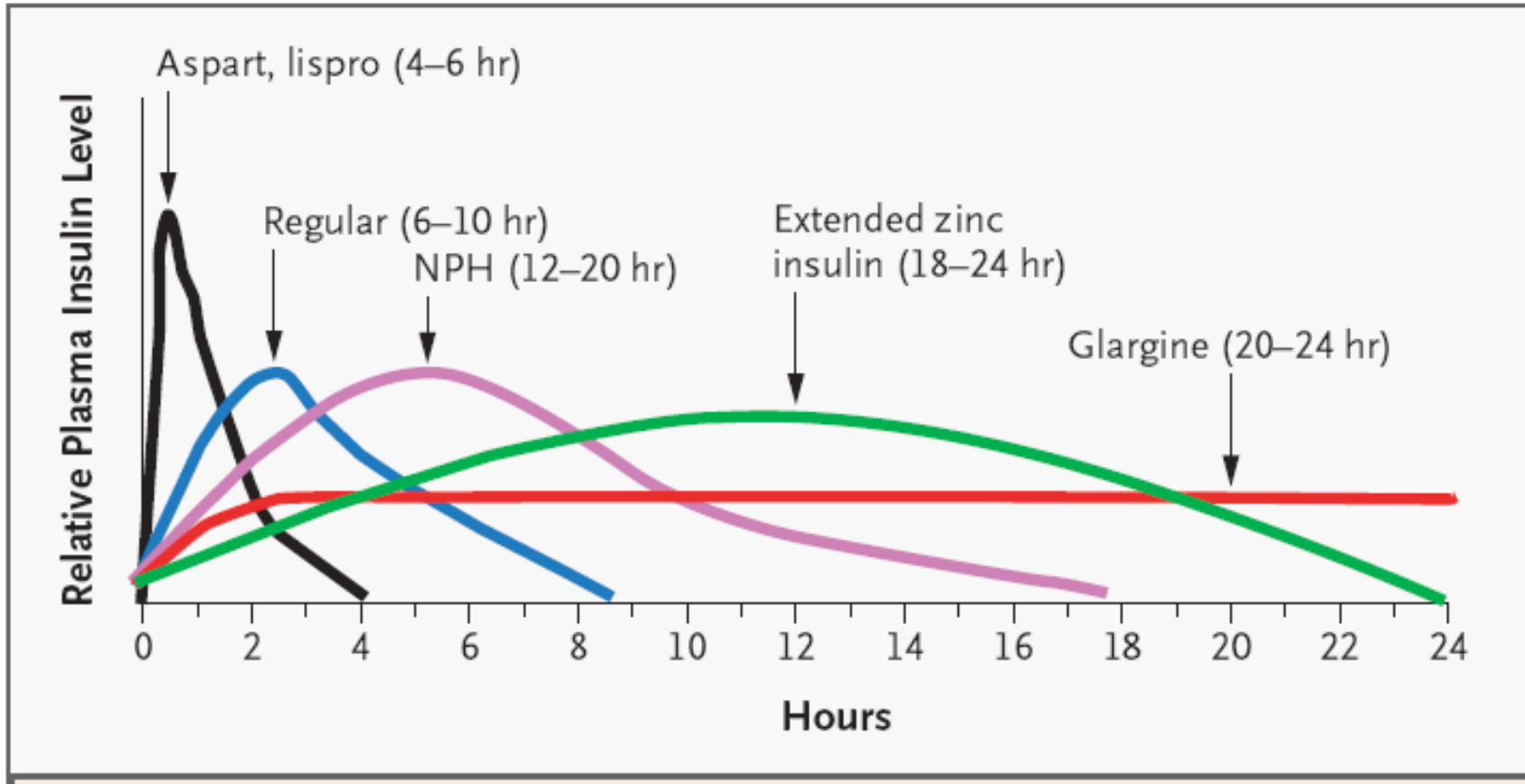
Dr Ketan Dhatariya MSc MD MS FRCP
Consultant in Diabetes and Endocrinology
Norfolk and Norwich University Hospital

Hypoglycaemic Agents

- α glucosidase inhibitors
- Metaglinides
- Metformin
- Sulphonylureas
- Thiazolidindiones
- GLP – 1 analogues
- DPP IV inhibitors
- (SGLT2 inhibitors)

| Tablets | Day prior to admission | Day of surgery | |
|--|------------------------|---|--|
| | | Patient for AM surgery | Patient for PM surgery |
| Acarbose | Take as normal | Omit morning dose if NBM | Give morning dose if eating |
| Meglitinide (repaglinide or nateglinide) | Take as normal | Omit morning dose if NBM | Give morning dose if eating |
| Metformin (procedure not requiring use of contrast media*) | Take as normal | Take as normal | Take as normal |
| Sulphonylurea (e.g Glibenclamide, Gliclazide, Glipizide, etc.) | Take as normal | Once daily AM omit Twice daily omit AM | Once daily AM omit Twice daily omit AM and PM |
| Pioglitazone | Take as normal | Take as normal | Take as normal |
| DPP IV inhibitor (e.g. Sitagliptin, Vildagliptin, Saxagliptin) | Take as normal | Omit on day of surgery | Omit on day of surgery |
| GLP-1 analogue (e.g. Exenatide, Liraglutide) | Take as normal | Omit on day of surgery | Omit on day of surgery |

Insulin Durations



| Insulins | Day prior to admission | Day of surgery | |
|---|------------------------|--|---|
| | | Patient for AM surgery | Patient for PM surgery |
| Once daily (evening) (e.g. Lantus® or Levemir®. Insulatard®, Humulin I®, Insuman®) | No dose change* | Check blood glucose on admission | Check blood glucose on admission |
| Once daily (morning) (Lantus® or Levemir® Insulatard®, Humulin I®, Insuman®) | No dose change | No dose change*. Check blood glucose on admission | No dose change*. Check blood glucose on admission |
| Twice daily (e.g. Novomix 30®, Humulin M3®, Humalog Mix 25®, Humalog Mix 50®, Insuman® Comb 25, Insuman® Comb 50 twice daily Levemir® or Lantus®) | No dose change | Halve the usual morning dose. Check blood glucose on admission. Leave the evening meal dose unchanged | Halve the usual morning dose. Check blood glucose on admission. Leave the evening meal dose unchanged |
| Twice daily - separate injections of short acting and intermediate acting (e.g. animal neutral, Novorapid® Humulin S®) Apidra® (e.g. animal isophane Insulatard® HumulinI® Insuman®) | No dose change | Calculate the total dose of both morning insulins and give half as intermediate acting only in the morning. Check blood glucose on admission. Leave the evening meal dose unchanged | Calculate the total dose of both morning insulins and give half as intermediate acting only in the morning. Check blood glucose on admission. Leave the evening meal dose unchanged |
| 3, 4, or 5 injections daily | No dose change | Basal bolus regimens: omit the morning and lunchtime short acting insulins. Keep the basal unchanged.* Premixed AM insulin: halve the morning dose and omit lunchtime dose Check blood glucose on admission | Take usual morning insulin dose(s). Omit lunchtime dose. Check blood glucose on admission |



Any Questions?

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