

Hybrid Closed Loop – Hypoglycaemia Management

The management of hypoglycaemia is different when using a Hybrid Closed Loop system.

HOW IT WORKS....

The sensor will tell the algorithm what your glucose levels are and where the glucose levels are predicted to go.



Algorithm will in turn tell the pump how much insulin to deliver.
It will suspend the insulin for a period of time if your glucose levels are predicted to go below a certain level, to reduce the risk of hypoglycaemia.
This level varies depending on the system and alerts/targets that you use.



The algorithm will restart the insulin when the glucose levels are predicted to be rise again above a certain level.

HOW TO TREAT....

Try to trust the system!!



Remember insulin is likely to have been suspended prior to the alarm
Less quick acting carbohydrates usually therefore required to treat a low glucose / hypoglycaemia



Recommend 5-10g quick acting carbohydrate
Recheck level with finger prick test and sensor arrow after 10-15 mins
If glucose rising, no further action required
If glucose remains low or not rising, retreat as above, wait another 10-15 mins, recheck again finger prick



REMEMBER....

Over treating a low glucose / hypoglycaemia will result in the algorithm delivering more insulin as it responds to a glucose predicted to rise above target
This can lead to further low glucose / hypoglycaemia