

The Low Glucose Suspend Trial - Comparing insulin pump therapy with low glucose suspend feature versus standard insulin pump therapy in patients with type 1 diabetes with hypoglycaemia unawareness

ACTRN12610000024044

Status	RECRUITING
Phase	Phase 4
Sponsor	Princess Margaret Hospital for Children
Enrollment	100 participants

Plain Language Summary

This study is comparing a newer insulin pump that automatically stops delivering insulin when blood sugar drops too low (called a 'low glucose suspend' feature) to a standard insulin pump in people with type 1 diabetes who have trouble sensing when their blood sugar is low. When people lose the ability to feel low blood sugar (a condition called hypoglycaemia unawareness), the automatic shut-off feature may prevent dangerous low blood sugar episodes.

You may be eligible if:

- You are between 4 and 50 years old
- You have had diabetes for at least 12 months
- You have been using an insulin pump for at least 6 months
- Your HbA1c (average blood sugar measure) is between 6% and 8.5%
- You have impaired awareness of low blood sugar (hypoglycaemia unawareness)

You may NOT be eligible if:

- You have adrenal insufficiency
- You have growth hormone deficiency
- You have multiple pituitary hormone deficiencies
- You are pregnant

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (4)

- Duration of diabetes greater than or equal 12 months
- On insulin pump therapy greater than or equal to 6 months
- Glycated haemoglobin (HbA1C) between 6 and 8.5%
- Impaired awareness of hypoglycaemia

Exclusion (4)

- Has adrenal insufficiency
- Has growth hormone insufficiency
- Has multiple pituitary hormone deficiency
- Is pregnant

Locations (1 total)

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12610000024044>

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