

New test for diagnosing type 1

Who

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When

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What

1

Confirm whether modified insulin found in the body can predict type 1



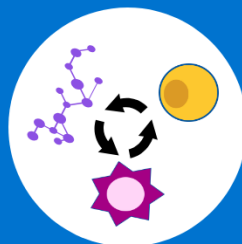
2

Understand what the modified insulin looks like and how it behaves



3

Work out the role of modified insulin in the progression of type 1



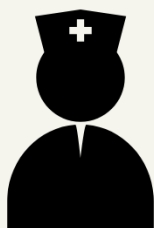
4

Develop a test to measure the modified insulin in the body and immune proteins formed against it



Current tests for type 1 check for the presence of four key proteins associated with type 1

These are proteins formed by the immune system in response to molecules found in and around beta cells



Why

- A number of people who develop type 1 test negative for the presence of the four standard immune proteins
- A pilot study showed that children with type 1 have immune proteins against a fifth molecule - modified insulin

The future

New, additional test to check for and track the progression of type 1

