

Policy statement:	Monogenetic Diabetes Testing (MODY)
Status:	Individual Prior Approval

Monogenetic Diabetes (Maturity Onset Diabetes of the Young) results from the inheritance of a mutation in a single gene, and accounts for 1-2% of the population in the UK with diabetes. Around 90% of cases are misdiagnosed as T1D or T2D

When to suspect a diagnosis of Type 1 may not be correct

- A diagnosis of diabetes before 6 months
- Family history of diabetes with a parent affected
- Evidence of endogenous insulin production outside the ‘honeymoon’ phase with detectable C peptide
- When pancreatic islet autoantibodies are absent, especially if measured at diagnosis

When to suspect a diagnosis of Type 2 may not be correct

- Not markedly obese or diabetic family members who are normal weight
- Acanthosis nigricans not detected
- Ethnic background from a low prevalence Type 2 diabetes race e.g. European Caucasian
- No evidence of insulin resistance with fasting C peptide within the normal range

M&SECCGs commission monogenetic diabetes testing for those patients where the outcome of the test is going to change clinical management.

Funding will be made available for patients where the GP has:

- Identified the test being requested
- Provides a report documenting the outcome of the genetic nurse assessment/discussion with Monogenetic diabetes team in Exeter as to whether patient would benefit from testing and test recommended
- Name of monogenetic nurse with whom the discussion took place with (in case of further contact required)
- Assessment for the patient using the link/calculator and documentation of the outcome: <http://diabetesgenes.org/content/mody-probability-calculator>

Funding for patients not meeting the above criteria will only be made available in clinically exceptional circumstances.

Individual funding requests should only be made where the patient demonstrates clinical exceptionality.

Further information on applying for funding in exceptional clinical circumstances can be found on the CCGs’ website.