

	<b>Type 1 diabetes</b>	<b>Type 2 diabetes LADA</b>	<b>LADA</b>	<b>MODY</b>
<b>Pathophysiology</b>	Autoimmune destruction of pancreatic beta cells	Insulin resistance & relative insulin deficiency	Gradual autoimmune destruction of beta cells	Genetic mutation causing diabetes
<b>Age at diagnosis</b>	Usually <25y but can occur at any age	Both adults & children at any age	Can occur at any adult age	Usually <45y
<b>Weight at diagnosis</b>	Usually thin but can be overweight	Usually overweight	Variable	Variable
<b>Family history of diabetes</b>	Infrequent (5-10%)	Frequent (75-90%)	Variable	Autosomal dominant
<b>History of autoimmunity</b>	Often personal or FH e.g. thyroid & coeliac	Variable	Variable	Variable
<b>Pancreatic autoantibodies</b>	Present	Absent	Eventually present	Absent
<b>C-peptide levels</b>	Low/absent	Normal to high	Initially high then low/absent	Normal
<b>Insulin sensitivity</b>	Normal when treated	Reduced	Some insulin resistance	Normal
<b>Insulin requirements</b>	Immediate	Variable	Latent; months-years	Variable
<b>Risk of ketoacidosis</b>	High	Low	Low initially but high once insulin-deficient	Low

### **NICE NG12 Suspected cancer: recognition and referral 2015 & Scottish referral guidelines for suspected cancer 2015**

- Consider an urgent direct access CT scan (to be performed within 2 weeks) or an urgent ultrasound scan if CT is not available, to assess for pancreatic cancer in people aged 60 and over with weight loss and any of the following:
  - Diarrhoea
  - Back pain
  - Abdominal pain
  - Nausea
  - Vomiting
  - Constipation
  - New-onset diabetes

## **Type 3c Diabetes**

- Diabetes of the exocrine pancreas
- Structure and function of the pancreas is disrupted by disease:
  - Acute & chronic pancreatitis
  - Cystic fibrosis
  - Haemachromatosis
  - Pancreatic cancer
- Features that may suggest pancreatic exocrine insufficiency (PEI):
  - Diarrhoea & steatorrhoea
  - Abdominal discomfort
  - Flatulence & bloating
  - Fatigue
  - Erratic blood glucose control if severe
- Diagnose by sending a stool sample for faecal elastase
  - Low levels suggest PEI
- TREND UK (<https://trend-uk.org>) have produced a useful leaflet for healthcare professional about pancreatic exocrine insufficiency and diabetes