

6/11/20

# Diabetes

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Diabetics — fasting 100 below fasting  
 P.P Sugar — 140 below

Diabetes are by habit and life style is type 2 diabetes

→ HbA1C test. → usually guard the last 2 months<sup>-3</sup> sugar level in blood.

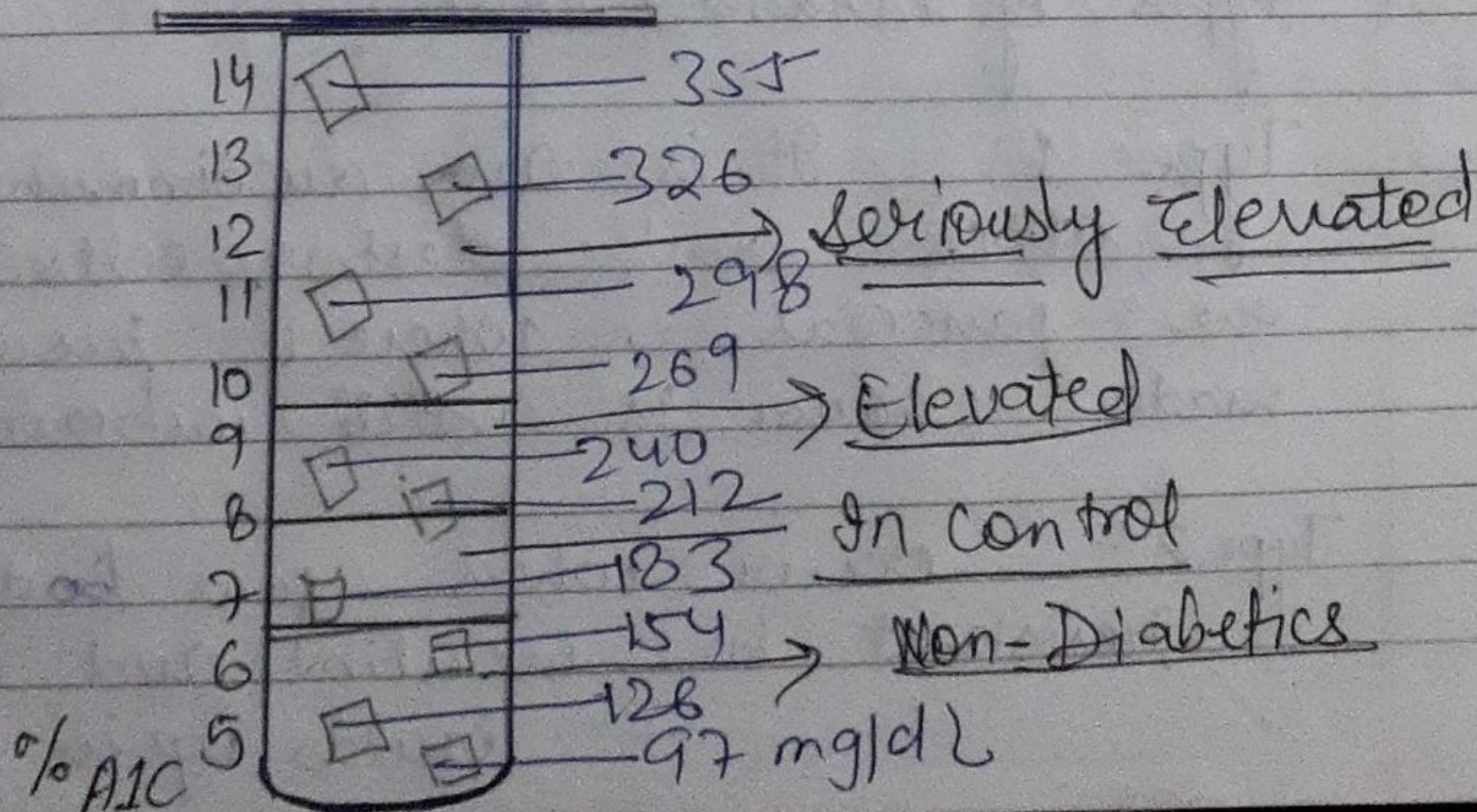
→ FPG & OGTT → Oral glucose Tolerance Test.

Normal level — HbA1C — 4% — 5.9%

well controlled → HbA1C — 7.0%

Poorly well controlled diabetes — 8.0%

| A1% | Means blood sugar |
|-----|-------------------|
| 6   | 135               |
| 7   | 170               |
| 8   | 205               |
| 9   | 240               |
| 10  | 275               |
| 11  | 310               |
| 12  | 345               |





# Ideal Blood Sugar level:

Simple blood sugar - 80/100/120  
 Fasting 80-100mg/dL  
 oral glucose Tolerance - <140mg/dL.  
 A1C Tes 4% - 6%

## Blood Sugar level Chart

|              | Fasting | Just ate | 3 hour  |
|--------------|---------|----------|---------|
| Normal       | 80-100  | 170-200  | 120-140 |
| Pre diabetic | 101-125 | 190-230  | 140-160 |
| Diabetics    | 126+    | 220-300  | 200+    |

## Sugar content in urine sample -

- Blue - None
- Green - Traces of reducing sugar
- Orange red ppt - Moderate
- Brick Red - Large amount of sugar  
More than 2-5% of glucose present.

# Copper-ion is reduced so colour is changed.

## Types of Diabetes.

Type 1: It is an autoimmune disease attack and destroys cells in the pancreas, where insulin is made. Cause is still unknown.

Type 2:- occur when your body become resistant to insulin and sugar builds up in your blood



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→ Prediabetes - occurs when your blood sugar is higher than normal but it is not high enough for a diagnosis of type 2 diabetes.

→ Gestational diabetes - high blood sugar during pregnancy. Insulin-blocking hormone produced by the placenta cause this type of diabetes

1 Diabetes Mellitus  
cause high blood glucose, or blood sugar  
Resulting from the body's inability to use blood glucose for energy.

~~Diabetes Insipidus  
Normal blood glucose level  
however  
It means lots of urine.  
Insulin deficiency and high blood sugar level~~

② Diabetes insipidus is an uncommon disorder that cause an imbalance of fluids in the body. This imbalance makes you very thirsty. It also leads you to damage large amount of urine.