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Final report

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BLOOD BIOCHEMISTRY

Results Reference range Antecedents

► Fasting Blood Sugar

(Plasma, Colorimetry, Pentra C400, HORIBA)

7,88 mmol/L (4,10 - 5,90)
1,42 g/L (0,74 - 1,07)

Must be considered diabetic, anyone who on 2 occasions and after at least 8 hours of fasting, has a fasting blood glucose greater than 1.26 g/L (7 mmol/L). In pregnant women, fasting blood glucose should be less than 0.92 g/L (5.1 mmol/L).

Glycated hemoglobin (HbA1c)

(EDTA Whole blood, Electrophoresis, Minicap Flex Piercing, SEBIA)

6,20 %
45,00 mmol/mol (20 - 42)



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In the framework of scientific research in biomedical and public health in Cambodia, your samples or their by-products may be used for further analysis, unless you express your opposition.

For most patients with diabetes type 2 an HbA1c target = 7% is recommended.
(HAS recommendations 2013)

► **LIPID PROFILE**

(Plasma, Colorimetry, Pentra C400, HORIBA)

Appearance of serum

Aspect

Limpid

12h fasting

Fasting before sampling

Respected

Reference values are for a strict 12-hour fast

► **Total Cholesterol**

5,01 mmol/L (< 5,18)

1,94 g/L (< 2,00)

► **HDL Cholesterol**

1,62 mmol/L (0,77 - 1,81)

0,63 g/L (0,30 - 0,70)

Cardiovascular risk score (Atherogenic index)

3,09

Cholesterol Total/HDL	MEN	< 4,97 no risk 4,97 < Risk x2 < 9,50 > 9,50 Risk x3	WOMEN	< 4,44 no risk 4,44 < Risk x2 < 7,00 > 7,00 Risk x3
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► **Calculated LDL cholesterol**

(Friedewald's formula)

2,56 mmol/L (2,84 - 4,13)

0,99 g/L (1,10 - 1,60)

► **Triglycerides**

1,83 mmol/L (< 1,71)

1,60 g/L (< 1,50)

Conclusion:

Isolated hypertriglyceridemia.

► **Creatinine**

(Plasma, Colorimetry, Pentra C400, HORIBA)

73 µmol/L (71 - 115)

8,2 mg/L (8,0 - 13,0)

Glomerular filtration rate (GFR) (Creatinine clearance)

105,5 mL/min/1,73m²



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Modification of Diet in Renal Disease (MDRD)

Stage	GFR	Description
1	> 90	Normal kidney Glomerular Filtration Rate (GFR)
2	60 - 89	Mild decrease in Glomerular Filtration rate (GFR)
3	30 - 59	Moderate decrease in Glomerular Filtration rate (GFR)
4	15 - 29	Severe decrease in Glomerular Filtration rate (GFR)
5	< 15	Renal failure

Chronic kidney disease is defined as either kidney damage or $GFR < 60 \text{ mL/min/1.73m}^2$ for ≥ 3 months.

ENZYMOLOGY

Results Reference range Antecedents

► **Aspartate Amino Transferase (SGOT)**
(Plasma, Colorimetry, Pentra C400, HORIBA)

26 U/L (< 35)

► **Alanine Amino Transferase (SGPT)**
(Plasma, Colorimetry, Pentra C400, HORIBA)

33 U/L (< 45)



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