

DEPARTMENT OF LABORATORY MEDICINE

Name	: Samantha Seram Weerathunga Arachchige	Ordered On	: 12/09/2024 10:34
Age/Gender	: 40Y 4M 1D/Male	Collected On	: 12/09/2024 10:42
MPI	: 1004952678/	Received On	: 12/09/2024 15:13
Referred By	: Dr.Arshiabanu Najeem	Reported On	: 12/09/2024 16:11
Referring Org	: ASTER MEDICAL CENTRE ARJAN	Reporting Org	: ASTER MEDINOVA DIAGNOSTIC CENTRE

BIOCHEMISTRY					
Test Name	Results	Biological Reference Interval	Units	Specimen	Test Method
Fasting Blood Sugar	89	74-100	mg/dL	Fluoride Plasma^F	Enzymatic, Hexokinase
Notes: Factors such as type and time of food intake, infection, physical or psychological stress, exercise and drugs can influence the blood glucose level.					

Entered By:

Reviewed By:

Released By:
Shajith Chathoththazha
Biochemistry Technologist

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Test Name	Results	Biological Reference Interval	Units	Specimen	Test Method
Lipid Profile <i>Sample : Serum</i>					
Cholesterol - Total	306 H	Desirable: <200 BorderLine: 200 to 239 High: > 239	mg/dL		Enzymatic,Colorimetric Assay
Triglycerides	213 H	Normal : < 150 Borderline High : 150 - 199 High : 200 - 499 Very High : > 499	mg/dL		Glycerol Phosphate Oxidase
Notes: Meals rich in sugar, carbohydrates and fat, alcohol, obesity, poorly controlled diabetes, hypothyroidism, renal disease, inherited lipid disorders, drugs such as beta blockers, birth control pills, diuretics, steroids and tamoxifen can lead to elevated levels of triglycerid es.					
HDL Cholesterol	53	No Risk: >56 Moderate Risk: 34.8-56 High Risk: <34.8	mg/dL		Enzymatic colorimetric
LDL Cholesterol Direct	232 H	Optimal: < 100 Near Optimal: 100 -129 Borderline High: 130 - 159 High: 160 - 189 Very High: ≥ 190	mg/dL		Enzymatic colorimetric
Cholesterol/HDL Ratio	5.77 H	<4			Calculation
NON-HDL CHOLESTEROL	253	Optimal: Less than 130 mg/dL Near/Above Optimal: 130-159 mg/dL Borderline High: 160-189 mg/dL High: 190-219 mg/dL Very High: Greater than 220 mg/dL	mg/dL		Calculation

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Test Name	Results	Biological Reference Interval	Units	Specimen	Test Method
LFT (Liver Function Test) <i>Sample : Serum</i>					
SGPT (ALT)	90 H	10 - 50	U/L		UV absorbance - with Pyridoxal L-5-Phosphate
SGOT (AST)	45	10 - 50	U/L		UV absorbance - with Pyridoxal L-5-Phosphate
Bilirubin Total	1.25 H	0 - 1.2	mg/dL		Diazo Method
Bilirubin Direct	0.48 H	0 - 0.4	mg/dL		Diazo Method
Indirect Bilirubin	0.77	0.2 - 1	mg/dL		Computation
Total Protein	7.8	6.6 - 8.7	g/dL		Biuret
Albumin	4.7	3.5 - 5.2	g/dL		Colorimetric - Dye binding BCG
Globulin	3.0	2.2 - 3.9	g/dL		Computation
Albumin/Globulin Ratio	1.5	1.2 - 2.5			Computation
Alkaline Phosphatase	74	40 - 129	U/L		Colorimetric - IFCC
Gamma GT (GGT)	158 H	10 - 71	U/L		Enzymatic

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Test Name	Results	Biological Reference Interval	Units	Specimen	Test Method
Creatinine Serum					
<i>Sample : Serum</i>					
Creatinine	1.01	0.6 - 1.3	mg/dL		Colorimetric- Jaffe
Notes: Elevated creatinine values are encountered in increased muscle mass, severe dehydration, pre - eclampsia, increased ingestion of cooked meat, consuming protein/ creatine supplements, diabetic ketoacidosis, prolonged fasting, renal dysfunction and drugs such as cefoxitin, cefazolin, ace inhibitors, angiotensin ii receptor antagonists, n - acetylcyteine , chemotherapeutic agent such as flucytosine.					
eGFR	81 L	>85	ml/min/1.73m ²		Calculation
Notes: Glomerular filtration rate (GFR) is the better overall index of kidney function. Normal GFR varies according to age, sex, and body size . MDRD equation is used to estimate GFR . It is valid between age of 18 to 70 years with Chronic Kidney Disease (CKD) .					
--- END OF BIOCHEMISTRY---					

--- End of Report ---

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