

پزشک معالج : سرکار خانم دکتر حسن نیای
ص ۱ از ۳

تاریخ پذیرش : ۱۴۰۱/۰۴/۰۹
سن : ۳۰ سال

شماره پذیرش : ۰۴-۳۵۸۱
نام مراجعه کننده : آقای افشین کریمی



Biochemistry

Test Name	In-Range Result	Out of Range Result	Unit	Reference Range
Fasting Blood Sugar	96		mg/dL	60-110
FBS (SI)	5.33		mmol/L	3/3 - 6/11
Basal Metabolic Rate	1936.5		Kcal/day	Calculates a persons daily energy requirement at rest.
Urea	28.0		mg/dL	15 - 44
Blood Urea Nitrogen (BUN)	13.1		mg/dL	7 - 20/6
Creatinine	0.92		mg/dL	0.7-1.4
BUN / Creatinine	14		Ratio	12 - 20
e Glomerular Filtration Rate	102.7		ml/min/1.73 m*2	MDRD Formula (Modification of Diet in Renal Disease) Male : Mean Values(20-30Y.):90 - 140 (30-40Y.):59 - 137 Female:Mean Values(20-30Y.):72-110 (30-40Y.):71-121
Uric Acid	5.6		mg/dL	3.6 - 8.2
Cholesterol		201 *	mg/dL	Desirable: <200 Borderline: 200 - 239 High: >240
Triglycerides	180		mg/dL	Desirable: < 200 Borderline: 200-400 High: > 400
HDL Cholesterol	44		mg/dL	35 - 60
LDL Cholesterol Direct	127		mg/dL	Desirable :=<130 Borderline: 130-160 High: > 160
Atherosclerosis Index	2.89		Ratio	Low Risk: 0.5 - 3.0 High Risk: > 6
Coronary Risk Factor	4.6		Ratio	Low Risk :3.3 - 4.4 Average Risk : 4.4 - 7.1 High Risk : >11
Triglyceride / HDL	4.1		Ratio	Optimal range : 0.5 - 1.9
Calcium	9.5		mg/dL	8.5-10.5
Albumin		5.5	g/dL	3/5 - 5/2
Phosphorus	3.8		mg/dL	2/6 - 4/5
Sodium	141		mEq/L	135-145
Osmolality	292		mOsm/L	275 - 295
Potassium	4.0		mmol/L	3.5 - 5.0
Total Bilirubin	0.62		mg/dL	0/1 - 1/2
Direct Bilirubin	0.14		mg/dL	Up to 0/3
S.G.O.T (AST)	22		U/L	Up to 37
S.G.P.T (ALT)	22		U/L	Up to 40
SGOT/SGPT Ratio	1.0		Ratio	0.7 - 1.4
Alkaline Phosphatase		361	U/L	80 - 306 Children <15 yrs: 180 - 1200
Magnesium	2.22		mg/dL	1.8-2.6
Zn serum	72.8		micg/dL	60 - 120
Hb.A1C	5.5		%	Normal : < 5.7 Prediabetes: 5.7-6.4 D.M: >= 6.5
estimated Average Glucose(eAG)	111		mg/dL	Up to 140

* = Confirmed by Repeated Analysis

Reference ranges are according to the age and sex of the patient.

Serology

Test	Result	Unit	Reference Range
C-reactive protein	4.2	mg/L	Up to 6.0

Comment: Complementary tests for reactive and positive results are highly recommended.

Immunology

Test	Result	Unit	Method	Reference Range
H.Pylori IgG	1.27	U/mL	Elisa	Negative: <5.0 Boarderline: 5-10 Positive: >10
H.Pylori IgA	H 29.5	U/mL	Elisa	Negative: <15 Boarderline: 15 - 20 Positive: >20

H=High

Hormone Analysis

Test	Result	Unit	Method	Reference Range
Anti TPO Antibody	0.3	IU/mL	CL	<9.0
T.S.H	2.46	micIU/mL	CL	0/35 - 5/50
25-Hydroxy Vitamin D	L 14.55	ng/mL	CL	Deficient : <20 Insufficient : 20-29 Sufficient : 30-100 Upper safety limit : <100
Vitamin B12	190.00	pg/mL	CL	183 - 822
Folic Acid	13.9	ng/mL	CL	3/2 - 19/6
Ferritin	182.93	ng/mL	CL	32 - 501

L=Low

Reference ranges are according to the age and sex of the patient.

Hematology

Test	Result	Unit	Reference Range	Differential
C.B.C				
W.B.C	7.7	x10 ³ /micL	4/5 - 11	Neutrophils 61 %
R.B.C	5.27	x10 ⁶ /micL	4/1 - 5/8	Lymphocyte 32 %
Hemoglobin	15.6	g/dL	12/6 - 17/4	Monocyte 5 %
Hematocrit	47.3	%	35 - 51	Eosinophil 2 %
M.C.V	89.6	fL	79 - 103	Basophil 0 %
M.C.H	29.6	pg	26 - 35	
M.C.H.C	33.0	g/dL	31 - 36	
Platelets	226	x10 ³ /micL	140 - 440	
E.S.R 1 hrs	12	mm/hr	Female:[age(Years)+10]/2 Male :[age(Years)]/2	

Reference ranges are according to the age and sex of the patient.

Urine Analysis

Macroscopic

Urine Analysis

Color Yellow

Appearance Clear

Sp. Gravity 1015

PH 5.0

Proteins Neg.

Glucose Neg.

Bilirubin Neg.

Ketones Neg.

Blood Neg.

Microscopic

W.B.C(/ hpf) 0-2

R.B.C(/ hpf) 0-2

Ep. Cells(/ hpf) 0-2

Bacteria Neg.

Mucus Neg.

Cast Neg.

Yeast Neg.

Crystals Neg.

Microbiology

Test

Result

Urine culture & Sensitivity:

Culture: No Bacteria Grown.

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