



برنده جایزه ملی کیفیت ایران  
در سطح اهتمام

# آزمایشگاه مرکزی پاتوبیولوژی



پذیرش: ۰۴/۱۲/۱۹

شماره: 04-284895

نام بیمار: آقای الیاس عبدالکریم احمدی

بایگاتی ۷۸۷۱۲۴

سن بیمار: ۴۴ سال

پزشک: دکتر محمد کریمی

## Hematology

Approved By:

Hemato2

Test Name	Result	Units	Reference Range	WBC Differential (%)	
<b>WBC</b>	8.32	$10^3/uL$	4.4 - 11.0	Neutrophil	50.2
<b>RBC</b>	4.64	$10^6/uL$	M : 3.8 - 5.8 F : 3.8 - 5.2	Lymphocyte	42.1
				Monocyte	6.6
<b>Hemoglobin</b>	14.9	g/dL	13.2-17.3 M(18-44 yr)	Eosinophil	1.1
<b>Hematocrit</b>	41.7	%	39-49 M(18-44 yr) 39-50 M(45-64 yr)	Basophil	0.0
MCV	89.9	fL	80 - 99 (M:18y - 44y)		
MCH	32.1	pg/cell	27 - 34 (M:18y - 44y)		
MCHC	35.7	g/dl	32 - 36		
RDW - CV	13.1	%	11.6 - 15		
<b>Platelets</b>	177.0	$10^3/uL$	150 - 450		
PDW	11.6	%			
MPV	10.0	fL	8 - 12.7		
<b>Sedimentation Rate</b>					
ESR (1hr)	7	mm	Up to 15 ( Male < 50y )		

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شرکت سهامی خاص

Signed By : Dr Khoddami, MD, APCP

آدرس: تهران-خیابان ولی عصر(عج)-بالاتر از تقاطع چمران-خیابان قرنی-پلاک ۱۷-تلفن: ۳-۲۲۶۶۵۶۱

Website: www.path-lab.com

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## Urine analysis

Approved By:

mic3

## Specimen Urine

## Macroscopic

## Microscopic

Color	Yellow	WBC /hpf	1-2
Appearance	Clear	RBC /hpf	0-1
Blood (RBC) #	Negative	Epithelial Cells	Few squamous
Urobilinogen	Negative	Casts /lpf	None
Bilirubin	Negative	Crystals	None
Protein\$	Negative	Bacteria	Rare
Nitrite	Negative	Mucus	Sl. amount
Ketones	Negative		
Glucose	Negative		
Reaction PH	6		
Specific Gravity	1.010		
Leukocytes #	Negative		

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\$Total protein with turbidimetric method: Negative

Note: #The minimum sensitivity of the strip is 5 – 10 erythrocytes and 10 – 25 leukocytes / µl urine

Note: Interfering factors such as pH, drugs, proteases and bacterial contamination with test strip, can lead to false negative or false positive results.

## Blood Biochemistry

Approved By:

Bi-5

Test	Result	Units	Reference Range
Glucose (Fasting)	86	mg/dl	Adult : 70 -100
Hb.A1C (Capillary Electrophoresis)	5.3	%Hb.	4.8-5.9
Urea	30	mg/dl	17 - 51
Creatinine	0.95	mg/dl	Male : 0.74 - 1.35
eGFR (CKD-EPI 2021 Creatinine)	101	ml/min	Normal GFR : 90-120 Mild decrease in GFR : 60-89 Moderate decrease in GFR : 30-59 Sever decrease in GFR : 15-29 Kidney failure : <15

Note: Limitations of eGFR include: Change of eGFR with variable muscle mass, protein rich diet ,malnutrition, Traumatic muscle damage, muscle atrophy or dystrophy, etc. Equations based on the combination of Creatinine and Cystatin C provide more accuracy and precision than either alone, especially in elderly patients.

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<b>Blood Biochemistry</b>		Approved By:	Bi-5
<b>Test</b>	<b>Result</b>	<b>Units</b>	<b>Reference Range</b>
Uric Acid	5.5	mg/dl	Male : 3.7 - 8.0
Cholesterol	189	mg/dl	Adult (Desirable): <200
Triglyceride	<b>172</b>	mg/ dl	< 150
High Density Lipoprotein	43	mg/ dl	Equal to or more than 40
Cholesterol/HDL	4.4	Ratio	Low risk : <4.4 Average risk : 4.4-7.1 Moderate risk : 7.1-11.0 High risk : >11.0
Low Density Lipoprotein	120	mg/dl	Optimal: <100 Near/Above optimal:100-129 Borderline high: 130-159 High: >160
LDL/HDL	2.8	Ratio	Low risk : < 3.0 Moderate risk : 3.0-6.0 High risk : > 6.0
Calcium	9.7	mg/dL	Adults: 8.6-10.2
Phosphate	4.1	mg/dl	Adult : 2.5-4.5
Magnesium	2.1	mg/dL	Adults: 1.6 - 2.6
SGOT (AST)	19	IU/L	Male : Up to 37
SGPT (ALT)	21	IU/L	Male : Up to 41 Female : Up to 31
Alkaline Phosphatase	70	U/L	Adults Male: 40-130
Zinc	<b>65</b>	ug/dl	Men: 73-127

<b>Immunoserology1</b>		Approved By:	Bi-5
<b>Test</b>	<b>Result</b>	<b>Units</b>	<b>Reference Range</b>
CRP (Immunoturbidimetric)	0.5	mg/l	Up to 5.0

<b>ImmunoSerology2</b>		Approved By:	EN-5
<b>Test</b>	<b>Result</b>	<b>Units</b>	<b>Reference Range</b>
H.Pylori IgG. (ELISA)	<b>&gt;100</b>	U/ml	Negative:<20.0 Borderline:20-30

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H.Pylori IgA (ELISA)	0.30	U/ml	Positive: >30.0 Negative: <1.0 Positive: >1.0
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## Endocrinology

Approved By:

EN-5

Test	Result	Units	Reference Range
T3 (ECLIA)	1.34	ng/ml	0.8 - 2.0 (Adult)
TSH (CLIA)	1.43	mIU/L	0.3-5.0 (7 -12 year) 0.3 -4.2 Adults
Free T4 (CLIA)	1.29	ng/dl	0.7-1.48 (Adult)
Anti - TPO (CLIA)	<b>37.9</b>	IU/ml	Up to 5.6

**Note:** Antibodies against thyroid peroxidase

## Special Biochemistry

Approved By:

EN-5

Test	Result	Units	Reference Range
Ferritin (CLIA).	205.6	ng/ml	Adult Males: 20 - 250
Vitamin B12 (ECLIA)	687.3	pg/ml ECL	197 - 866
Folic Acid (ECLIA)	6.8	ng/ml ECL	3.1 - 17.5
CEA (CLIA)	3.27	ng/ml	Up to 5.0
CA 15-3 (ECLIA)	13.0	U/ml ECL	Up to 25
CA 125 (ECLIA)	3.24	U/ml ECL	Up to 35
Total PSA (ECLIA).	0.896	ng/ml	40-50 years: Up to 2.0
Free PSA (ECLIA)	0.267	ng/ml	15-25% of T.PSA
25(OH)Vit.D Total (CLIA)	27.6	ng/ml	Deficiency :<10 Insufficiency :10-30 Sufficiency :30-100 Toxicity :>100

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شرکت سهامی خاص

Signed By : Dr Khoddami, MD, APCP

در این مرکز، STD Panel با شناسایی ۹ عامل Chlamydia- Mycoplasma- Ureaplasma 1,2- Herpes simplex -Neisseria gonorrhoeae- Treponema-Heamophilus و Trichomonas به صورت همزمان به روش PCR انجام می گردد