

Patient : **RUCHI KHARE**
Age / Sex : 30 Y / Female
Referrer : Self
Branch : RAJAJI NAGAR

SID No. : **37000517**
Reg Date & Time : 28/07/2019 09:54:55
Coll Date & Time : 28/07/2019 13:17:49
Report Date & Time : 28/07/2019 17:31:20

INVESTIGATION / METHOD	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
HAEMATOLOGY			
GVR PACKAGE			
COMPLETE BLOOD COUNT(CBC)			
RBC (Red Blood Cell Count) (Method : WB/Automated) (Specimen: EDTA WHOLE BLOOD)	4.11	Million/cmm	3.8-4.8
Haemoglobin (Method : WB/Automated) (Specimen: EDTA WHOLE BLOOD)	12.8	gms/dl	12-15
PCV -(Haematocrit-Packed Cell Volume) (Method : WB/Automated) (Specimen: EDTA WHOLE BLOOD)	38.0	%	36-46
MCV (Mean Corpuscular Volume) (Method : WB/Automated) (Specimen: EDTA WHOLE BLOOD)	92.4	fl	80 - 96
MCH (Mean Corpuscular Hemoglobin) (Specimen: EDTA WHOLE BLOOD)	31.0	pg	27 - 32
MCHC (Mean Corpuscular Hemoglobin Concentration) (Method : WB/Automated) (Specimen: EDTA WHOLE BLOOD)	34.0	%	32 - 36
Total WBC Count (Method : WB/Automated) (Specimen: EDTA WHOLE BLOOD)	8800	cells/cumm	4000 - 10000
DIFFERENTIAL COUNT(DC):EDTA WHOLE BLOOD (Optical(light scatter)Microscopy)			
Neutrophils (Specimen: EDTA WHOLE BLOOD)	60	%	40-80
Lymphocytes (Specimen: EDTA WHOLE BLOOD)	34	%	20-40
Monocytes (Specimen: EDTA WHOLE BLOOD)	4	%	2 - 10 %
Eosinophils (Specimen: EDTA WHOLE BLOOD)	2	%	1-6
Basophils (Specimen: EDTA WHOLE BLOOD)	0	%	< 1 - 2 %
Platelet Count (Method : WB/Automated) (Specimen: EDTA WHOLE BLOOD)	3.34	Lakhs/cumm	1.5-4.1



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ESR

(Westergran Method)

1 Hour **39** mm <12
(Specimen: EDTA WHOLE BLOOD)

BIOCHEMISTRY

GLUCOSE (PP) 102.0 mgs/dl 80-140
(Method : HEXOKINASE)
(Specimen: FLUORIDE PLASMA)

GVR PACKAGE

Glycosylated HbA1c With Graph (HPLC)

HbA1c 5.5 %
(Method :HPLC)
(Specimen: EDTA WHOLE BLOOD)

Non-Diabetic Level: < 5.7%
Pre Diabetic :5.7-6.4%
Diabetic Level :>=6.5%
Goal :7.0%

Mean Blood Glucose Level 111.15 mg/dl
(Specimen: EDTA WHOLE BLOOD)

The A1C test results reflects your average blood sugar level for the past two to three months.It is a better reflection of how well your diabetes treatment plan is working overall.
A committee of experts from the American Diabetes Association recommend that the A1C test be the primary test used to diagnose prediabetes, type 1 diabetes and type 2 diabetes.

GLUCOSE (F) 78.6 mgs/dl 74-100
(Method : HEXOKINASE)
(Specimen: FLUORIDE PLASMA)

LIPID PROFILE

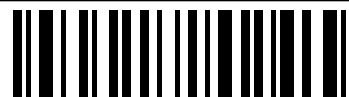
CHOLESTEROL **209.9** mgs/dl
(Method : Cholesterol Oxidase,esterase,Peroxidase)
(Specimen: SERUM)

Desirable :<200
Boderline high :200-239
High :>240

HDL CHOLESTEROL 44.8 mgs/dl >40
(Method : Direct)
(Specimen: SERUM)

LDL CHOLESTEROL **152** mgs/dl
(Method : Direct)
(Specimen: SERUM)

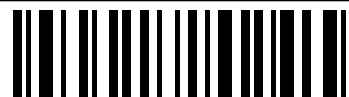
Optimal :<100
Near Optimal/above Optimal:100-129
Borderline high :132-159
High :159-189
VeryHigh :>190



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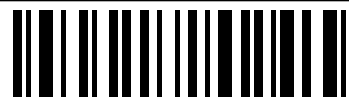
INVESTIGATION / METHOD	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
TRIGLYCERIDES (Method : Lipase/Glycerol Dehydrogenase) (Specimen: SERUM)	118.3	mgs/dl	Normal : <150 mg/dl Boderline high: 150-199 mg/dl High : 200-499 mg/dl very high : >500 mg/dl
VLDL CHOLESTEROL (Method : Calculation) (Specimen: SERUM)	23.7	mgs/dl	10 - 40
Non-HDL Cholesterol (Specimen: SERUM)	165.1		<160 mg/dl
CHO / HDL RATIO (Method : Calculation) (Specimen: SERUM)	4.7	Ratio	Optimal <3.5 Goal <5.0
LDL/HDL RATIO (Specimen: SERUM)	3.4	Ratio	1.5-3.5
TGL/HDL Ratio (Method : Calculated) (Specimen: SERUM)	2.6		Ideal : <2.0 High risk : >4.0 Very high risk: 6.0
RENAL PROFILE			
UREA (Method : Urease) (Specimen: SERUM)	14.3	mgs/dl	13-43
CREATININE (Method : Creatinine amidohydrolase) (Specimen: SERUM)	0.5	mg/dl	0.5-1.1
URIC ACID (Method : Uricase) (Specimen: SERUM)	5.9	mg/dl	2.6-6.0
CALCIUM (Method : Arsenazo III) (Specimen: SERUM)	9.0	mg/dl	8.6-10.2
PHOSPHORUS (Specimen: SERUM)	3.0	mg/dl	2.5 - 4.5
ELECTROLYTES			
SODIUM (Method : ISE) (Specimen: SERUM)	139.0	mmol/L	137-145
POTASSIUM (Method : ISE) (Specimen: SERUM)	4.4	mmol/L	3.4-5.1
CHLORIDE (Method : ISE) (Specimen: SERUM)	105.0	mmol/L	98.0 - 107



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INVESTIGATION / METHOD	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
LIVER FUNCTION TEST			
BILIRUBIN TOTAL (Method : Diazo) (Specimen: SERUM)	0.38	mgs/dl	0.3-1.2
BILIRUBIN DIRECT (Method : Diazo) (Specimen: SERUM)	0.07	mgs/dl	<0.2
BILIRUBIN INDIRECT (Method : Diazo) (Specimen: SERUM)	0.31	mgs/dl	0.2 - 0.9
Serum Glutamic Oxaloacetic Transaminase(SGOTorAST) (Method : IFCC) (Specimen: SERUM)	17.8	U/L	<31
Serum Glutamic Pyruvic Transaminase(SGPT or ALT) (Method : IFCC) (Specimen: SERUM)	14.3	U/L	<34
ALKALINE PHOSPHATASE (Method : AMP) (Specimen: SERUM)	129.1	U/L	42-98
GAMMA GT (Method : Glutamyltransferase) (Specimen: SERUM)	22.1	U/L	MALE : Less than 55 FEMALE : Less than 38
TOTAL PROTEIN (Method : Biuret) (Specimen: SERUM)	7.50	gms/dl	6.4-8.3
ALBUMIN (Specimen: SERUM)	3.80	gms/dl	3.5-5.2
GLOBULIN (Method : Calculation) (Specimen: SERUM)	3.70	gms/dl	2.3 - 3.5
A/G RATIO (Specimen: SERUM)	1.0		0.8-2.0
AST/ALT (Method : Calculated) (Specimen: SERUM)	1.2		
CLINICAL PATHOLOGY			
GVR PACKAGE			
RENAL PROFILE			
URINE COMPLETE ANALYSIS(FULLY AUTOMATED) (DIPSTICK)			



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INVESTIGATION / METHOD	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
METHOD - DIPSTIC & MICROSCOPY			
PHYSICAL EXAMINATION			
COLOUR (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	Light-Yellow		Pale Yellow
CLARITY (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	Slightly-Cloudy		
CHEMICAL EXAMINATION			
PH (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	5.5		4.6 - 8.0
REACTION (Specimen: URINE)	Acidic		
SPECIFIC GRAVITY (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	1.014		1.000-1.030
SUGAR-URINE(F) (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	NIL		Nil
ALBUMIN (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	NIL		Nil
ACETONE (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	Negative		
BILE PIGMENTS&BILESALTS (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	Negative		Absent
UROBILINOGEN (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	Normal	µmol/L	
NITRITE (Method :Automated Reflectance Spectrometere) (Specimen: URINE)	Negative		
BLOOD (Specimen: URINE)	Absent		
MICROSCOPIC EXAMINATION			
PUS CELLS (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	0-4/HPF	/ hpf	0-5



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EPITHELIAL CELLS (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	2-3/hpf	/ hpf	0-5
RBC'S (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	NIL	/ hpf	0-5
CRYSTAL (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	NIL		Nil
HYALINE CAST (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	NIL		0-2 hyaline cast
PATHOLOGICAL CAST (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	NIL		
BACTERIA (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	NIL		
YEAST (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	NIL		
SPERMS (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	NIL		
MUCUS (Method :Microscopic Imaging-dual focus mechanism) (Specimen: URINE)	NIL		



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INVESTIGATION / METHOD	RESULT	UNITS	BIOLOGICAL REFERENCE INTERVAL
IMMUNOLOGY			
Total-T3 (Triiodothyronine-T3) (Method : CLIA) (Specimen: SERUM)	70.2	ng/dl	70-204
Total-T4 (Thyroxine T4) (Method : CLIA) (Specimen: SERUM)	8.1	ug/dl	5.5-11.0
GVR PACKAGE			
TSH (Thyroid-stimulating hormone) (Method : CLIA) (Specimen: SERUM)	5.37	uIU/ml	0.4-4.5 Pregnancy: 1st Trimester:0.3-4.5 2nd Trimester:0.5-5.6 3rd Trimester:0.8-5.2
25(OH) Vit.D Total (Method : CLIA) (Specimen: SERUM)	9.31	ng/ml	Deficiency : < 20 Insufficiency : 20-30 Sufficiency : 30-100 Toxicity : > 100

End of the Report

Dr.SUJOY SUKLADAS MD.,
Clinical Pathologist