Name	: Mr. RAVINDRAN V			
PID No.	: MED111019262	Register On : 14/	03/2022 11:54 AM	m
SID No.	: 1802210212	Collection On : 14	/03/2022 12:05 PM	
Age / Sex	: 44 Year(s) / Male	Report On : 15	/03/2022 11:34 AM	MEDALL
Туре	: OP	Printed On : 01	/04/2022 5:22 PM	
Ref. Dr	: MediWheel			
Investigation		<u>Observed</u> <u>Value</u>	Unit	<u>Biological</u> <u>Reference Interval</u>
TYPING (EDTA Blo	GROUPING AND Rh b ood/Agglutination) RETATION: Reconfirm the Blood gu	'AB' 'Positive' roup and Typing before b	blood transfusion	
<u>Complet</u>	e Blood Count With - ESR			
Haemogl (EDTA Blo	lobin ood/Spectrophotometry)	8.9 (Rechecked)	g/dL	13.5 - 18.0
	Cell Volume(PCV)/Haematocrit	29.1	%	42 - 52
RBC Cor (EDTA Blo	unt ood/Impedance Variation)	4.86	mill/cu.mm	4.7 - 6.0
	orpuscular Volume(MCV) ood/Derived from Impedance)	59.9	fL	78 - 100
	orpuscular Haemoglobin(MCH) ood/Derived from Impedance)	18.4	pg	27 - 32
concentra	orpuscular Haemoglobin ation(MCHC) ood/Derived from Impedance)	30.7	g/dL	32 - 36
RDW-C (EDTA Blo	V 00d/Derived from Impedance)	20.7	%	11.5 - 16.0
RDW-SI (EDTA Blo	<b>)</b> ood/Derived from Impedance)	44.6	fL	39 - 46
	ukocyte Count (TC) ood/Impedance Variation)	6700	cells/cu.mm	4000 - 11000
Neutroph (EDTA Blo <i>Cytometry</i> )	ood/Impedance Variation & Flow	56.5	%	40 - 75
Lymphoo (EDTA Blo Cytometry)	ood/Impedance Variation & Flow	25.8	%	20 - 45
Eosinoph (EDTA Blo <i>Cytometry</i> )	ood/Impedance Variation & Flow	6.7	%	01 - 06
Monocyt (EDTA Blo <i>Cytometry</i> )	ood/Impedance Variation & Flow	10.0	%	01 - 10



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The results pertain to sample tested.

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Age / Sex	: 44 Year(s) / Male	Report On : 15/03/2022 11:34 AM	MEDALL
Туре	: OP	Printed On : 01/04/2022 5:22 PM	
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Basophils (EDTA Blood/Impedance Variation & Flow Cytometry)	1.0	%	00 - 02
INTERPRETATION: Tests done on Automated	Five Part cell count	ter. All abnormal results a	re reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	3.8	10^3 / µl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	1.7	10^3 / µl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood/Impedance Variation & Flow Cytometry)	0.5	10^3 / µl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.7	10^3 / µl	< 1.0
Absolute Basophil count (EDTA Blood/Impedance Variation & Flow Cytometry)	0.1	10^3 / µl	< 0.2
Platelet Count (EDTA Blood/Impedance Variation)	297	10^3 / µl	150 - 450
MPV (EDTA Blood/Derived from Impedance)	8.2	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.245	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Blood/Automated - Westergren method)	24	mm/hr	< 15
BUN / Creatinine Ratio	13.9		6.0 - 22.0
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	220.6	mg/dL	Normal: < 100 Pre Diabetic: 100 - 125 Diabetic: >= 126

**INTERPRETATION:** Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level.

Glucose, Fasting (Urine) (Urine - F/GOD - POD)	Positive(++)		Negative
Glucose Postprandial (PPBS) (Plasma - PP/GOD-PAP)	331.5	mg/dL	70 - 140

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Name : Mr. RAVINDRAN V			
PID No. : MED111019262	Register On : 14	/03/2022 11:54 AM	M
SID No. : 1802210212	Collection On : 1	4/03/2022 12:05 PM	
Age / Sex : 44 Year(s) / Male	Report On : 1	5/03/2022 11:34 AM	MEDALL
Type : OP	Printed On : 0	1/04/2022 5:22 PM	
Ref. Dr : MediWheel			
Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<b>INTERPRETATION:</b> Factors such as type, quantity and time of food Fasting blood glucose level may be higher than resistance, Exercise or Stress, Dawn Phenomer	Postprandial glucose, b	because of physiological su	arge in Postprandial Insulin secretion, Insulin
Urine Glucose(PP-2 hours) (Urine - PP)	Positive(++)		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV/derived)	8.9	mg/dL	7.0 - 21
Creatinine (Serum/ <i>Modified Jaffe</i> )	0.64	mg/dL	0.9 - 1.3
<b>INTERPRETATION:</b> Elevated Creatinine va ingestion of cooked meat, consuming Protein/ such as cefoxitin, cefazolin, ACE inhibitors, an etc.	Creatine supplements, D	iabetic Ketoacidosis, prol	onged fasting, renal dysfunction and drugs
Uric Acid (Serum/ <i>Enzymatic</i> )	3.7	mg/dL	3.5 - 7.2
Liver Function Test			
Bilirubin(Total) (Serum/DCA with ATCS)	0.48	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.15	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.33	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/ <i>Modified IFCC)</i>	31.6	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	20.6	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	) 24.7	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/ <i>Modified IFCC)</i>	78.7	U/L	53 - 128
Total Protein (Serum/ <i>Biuret</i> )	7.14	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	3.86	gm/dl	3.5 - 5.2



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SID No.	: 1802210212	Collection On : 14/03/2022 12:05 PM	
Age / Sex	: 44 Year(s) / Male	Report On : 15/03/2022 11:34 AM	MEDALL
Туре	: OP	Printed On : 01/04/2022 5:22 PM	
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Globulin (Serum/Derived)	3.28	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived) Lipid Profile	1.18		1.1 - 2.2
Cholesterol Total (Serum/CHOD-PAP with ATCS)	149.1	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/ <i>GPO-PAP with ATCS</i> )	246.5	mg/dL	Optimal: < 150 Borderline: 150 - 199 High: 200 - 499 Very High: >= 500

**INTERPRETATION:** The reference ranges are based on fasting condition. Triglyceride levels change drastically in response to food, increasing as much as 5 to 10 times the fasting levels, just a few hours after eating. Fasting triglyceride levels show considerable diurnal variation too. There is evidence recommending triglycerides estimation in non-fasting condition for evaluating the risk of heart disease and screening for metabolic syndrome, as non-fasting sample is more representative of the "usual" circulating level of triglycerides during most part of the day.

HDL Cholesterol (Serum/Immunoinhibition)	29.9	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/ <i>Calculated</i> )	69.9	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	49.3	mg/dL	< 30
Non HDL Cholesterol (Serum/ <i>Calculated</i> )	119.2	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

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lame ID No.	: Mr. RAVINDRAN V : MED111019262	Register On : 1	4/03/2022 11:54 AM	<b>~</b>
ID No.	: 1802210212	-	14/03/2022 12:05 PM	
ge / Sex				MEDALL
ype	: OP	-	15/03/2022 11:34 AM	
ef. Dr	· MediWheel	Finited On	01/04/2022 5:22 PM	
	•	Ohaamad	11-2	Distantiast
Investiga	auon	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
2.It is the s	<b>RETATION:</b> 1.Non-HDL Choles sum of all potentially atherogenic y target for cholesterol lowering t	proteins including LDL,		k marker than LDL Cholesterol. rons and it is the "new bad cholesterol" and is a
Total Ch Ratio (Serum/Ca	olesterol/HDL Cholesterol	5		Optimal: < 3.3 Low Risk: 3.4 - 4.4 Average Risk: 4.5 - 7.1 Moderate Risk: 7.2 - 11.0 High Risk: > 11.0
(TG/HD		8.2		Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
(Serum/Ca	lculated)			ingii Kisk. > 5.0
LDL/HD (Serum/Ca	OL Cholesterol Ratio	2.3		Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0
<u>Glycosyl</u>	ated Haemoglobin (HbA1c)	-		
HbA1C (Whole Blo	ood/HPLC)	10.0	%	Normal: 4.5 - 5.6 Prediabetes: 5.7 - 6.4 Diabetic: >= 6.5
INTERPI	RETATION: If Diabetes - Good	control : 6.1 - 7.0 % , Fair	control: 7.1 - 8.0 %, Poo	or control $>= 8.1$ %
	d Average Glucose	240.3	mg/dL	
HbA1c pro control as Conditions hypertright Conditions	compared to blood and urinary gl s that prolong RBC life span like yceridemia,hyperbilirubinemia,Dr	ucose determinations. Iron deficiency anemia, V rugs, Alcohol, Lead Poiso cute or chronic blood loss	itamin B12 & Folate defic ning, Asplenia can give fa , hemolytic anemia, Hemo	
Prostate	specific antigen - Total(PSA anometric method)	-	ng/mL	Normal: 0.0 - 4.0 Inflammatory & Non Malignant conditions of Prostate & genitourinary system: 4.01 - 10.0 Suspicious of Malignant disease of Prostate: > 10.0

Prostate: > 10.0

**INTERPRETATION:** REMARK : PSA alone should not be used as an absolute indicator of malignancy.

(Path) ologist No: 73347

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SID No.	: 1802210212	Collection On :	14/03/2022 12:05 PM	
Age / Sex	: 44 Year(s) / Male	Report On :	15/03/2022 11:34 AM	MEDALL
Туре	: OP	Printed On :	)1/04/2022 5:22 PM	
Ref. Dr	: MediWheel			
<u>Investiga</u>		<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
<u>THYRO</u>	<u>ID PROFILE / TFT</u>			
	odothyronine) - Total nemiluminescent Immunometric Assay	0.76	ng/ml	0.7 - 2.04
Comment Total T3 v	<b>RETATION:</b> t: variation can be seen in other conditionally active.	on like pregnancy, drug	s, nephrosis etc. In such cas	ses, Free T3 is recommended as it is
T4 (Tyro	oxine) - Total	7.24	µg/dl	4.2 - 12.0
(Serum/Ch (CLIA))	eemiluminescent Immunometric Assay			
<b>Comment</b> Total T4 v	<b>RETATION:</b> t: variation can be seen in other conditionally active.	on like pregnancy, drug	s, nephrosis etc. In such cas	ses, Free T4 is recommended as it is
	yroid Stimulating Hormone) memiluminescent Immunometric Assay	3.42	µIU/mL	0.35 - 5.50
Reference 1 st trimes 2 nd trime 3 rd trimes (Indian Th <b>Comment</b> 1.TSH refe 2.TSH Lev be of the c	erence range during pregnancy deper	, reaching peak levels as influence on the me	between 2-4am and at a min asured serum TSH concentr	nimum between 6-10PM.The variation can ations.
Urino A	nalveie - Routine			

## Urine Analysis - Routine

COLOUR (Urine)	Pale yellow	Yellow to Amber
APPEARANCE (Urine)	Clear	Clear
Protein (Urine/Protein error of indicator)	Negative	Negative
Glucose (Urine/GOD - POD)	Positive(++)	Negative

ant Pathologist No : 73347

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Name	: Mr. RAVINDRAN V		
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SID No.	: 1802210212	Collection On : 14/03/2022 12:05 PM	
Age / Sex	: 44 Year(s) / Male	Report On : 15/03/2022 11:34 AM	MEDALL
Туре	: OP	Printed On : 01/04/2022 5:22 PM	
Ref. Dr	: MediWheel		

Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	Biological Reference Interval
Pus Cells (Urine/Automated – Flow cytometry)	1 - 2	/hpf	NIL
Epithelial Cells (Urine/Automated – Flow cytometry)	1 - 2	/hpf	NIL
RBCs (Urine/Automated – Flow cytometry)	NIL	/hpf	NIL
Casts (Urine/Automated – Flow cytometry)	NIL	/hpf	NIL
Crystals (Urine/Automated – Flow cytometry)	NIL	/hpf	NIL
Others (Urine)	NIL		

**INTERPRETATION:** Note: Done with Automated Urine Analyser & Automated urine sedimentation analyser. All abnormal reports are reviewed and confirmed microscopically.



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-- End of Report --

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