

CLUMAX DIAGNOSTICS MEDALL HEALTHCARE PVT LTD

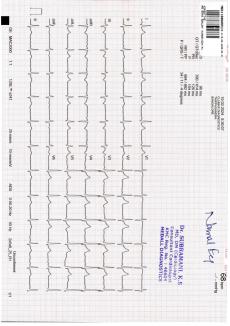
22 CUSTOMER CHECKLIST



Print Date :10/02/2024 08:59 AM Customer Name · MR.ARYA SANJAY KUMAR Ref Dr Name MediWheel Customer Id MED112068552 Visit ID 424007740 Age 53Y/MALE Phone No 9900401115 DOE 13 Dec 1970 Visit Date 10/02/2024 Company Name MediWheel Package Name: Mediwheel Full Body Health Checkup Male Above 40 S.No Modality Study AccessionNo Time Signature LAE BLOOD UREA NITROGEN (BUN) 3 1 45 GLUCOSE - FASTING III-m GLUCOSE - POSTPRANDIAL (2 HRS) GLYCOSYLATED HAEMOGLOBIN (HbA1c) 6 LAB URIC ACID IVER FUNCTION TEST (LFT TOTAL PROSTATE SPECIFIC ANTIGEN -THYROID PROFILE/ TFT(T3, T4, TSH) 11 LAS 12 LAS URINE GLUCOSE - POSTPRANDIAL (2 Pus Hins) 13 LAE COMPLETE BLOOD COUNT WITH ESS 14 LAE URINE ROUTINE 16 LAB 17 LAB BLOOD GROUP & RH TYPE /Forward Reverse) 18 ECG ND14481421138 OTHERS FREdmitt / 2D Echo 19 ND144814214690 21 US ULTRASOUND ARDOMEN ND144814215202 22 OTHERS 23 OTHERS IND144814217756 CON X-RAY 24 X RAY CHEST ND144814218659 Consultation Physician ND144814719726 Registerd By (HARLO)

Eye checkup mot market as already done outside in 44 Reb 23

H-1956 BP - 130 /80 BP - 130 /80



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Investigation BLOOD GROUPING AND Rh	Observed Value	<u>Unit</u>	<u>Biological</u> Reference Interval
TYPING	O Toshive		
(EDTA Blood/Agglutination)			
Complete Blood Count With - ESR			
Haemoglobin (EDTA Blood/Spectrophotometry)	14.1	g/dL	13.5 - 18.0
Packed Cell Volume(PCV)/Haematocrit (EDTA Blood)	41.9	%	42 - 52
RBC Count (EDTA Blood)	4.96	mill/cu.mm	4.7 - 6.0
Mean Corpuscular Volume(MCV) (EDTA Blood)	84.4	fL	78 - 100
Mean Corpuscular Haemoglobin(MCH) (EDTA Blood)	28.4	pg	27 - 32
Mean Corpuscular Haemoglobin concentration(MCHC) (EDTA Blood)	33.6	g/dL	32 - 36
RDW-CV (EDTA Blood)	13.9	%	11.5 - 16.0
RDW-SD (EDTA Blood)	41.06	fL	39 - 46
Total Leukocyte Count (TC) (EDTA Blood)	7500	cells/cu.mm	4000 - 11000
Neutrophils (EDTA Blood)	51.9	%	40 - 75
Lymphocytes (EDTA Blood)	39.3	%	20 - 45
Eosinophils (EDTA Blood)	1.6	%	01 - 06
Monocytes (EDTA Blood)	6.4	%	01 - 10







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Basophils (Blood)	0.8	%	00 - 02
INTERPRETATION: Tests done on Automated	Five Part cell count	er. All abnormal results a	are reviewed and confirmed microscopically.
Absolute Neutrophil count (EDTA Blood)	3.89	10^3 / μl	1.5 - 6.6
Absolute Lymphocyte Count (EDTA Blood)	2.95	10^3 / μl	1.5 - 3.5
Absolute Eosinophil Count (AEC) (EDTA Blood)	0.12	10^3 / μl	0.04 - 0.44
Absolute Monocyte Count (EDTA Blood)	0.48	10^3 / μl	< 1.0
Absolute Basophil count (EDTA Blood)	0.06	10^3 / μl	< 0.2
Platelet Count (EDTA Blood)	220	10^3 / μl	150 - 450
MPV (EDTA Blood)	8.8	fL	7.9 - 13.7
PCT (EDTA Blood/Automated Blood cell Counter)	0.19	%	0.18 - 0.28
ESR (Erythrocyte Sedimentation Rate) (Citrated Blood)	19	mm/hr	< 20
Glucose Fasting (FBS) (Plasma - F/GOD-PAP)	91.57	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)	Negative		Negative
(Urine - F/GOD - POD)			
Glucose Postprandial (PPBS)	96.61	mg/dL	70 - 140
(Plasma - PP/GOD-PAP)			







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	<u>Value</u>	Reference Interval

INTERPRETATION:

Factors such as type, quantity and time of food intake, Physical activity, Psychological stress, and drugs can influence blood glucose level. Fasting blood glucose level may be higher than Postprandial glucose, because of physiological surge in Postprandial Insulin secretion, Insulin resistance, Exercise or Stress, Dawn Phenomenon, Somogyi Phenomenon, Anti- diabetic medication during treatment for Diabetes.

Urine Glucose(PP-2 hours) (Urine - PP)	Negative		Negative
Blood Urea Nitrogen (BUN) (Serum/Urease UV / derived)	10.6	mg/dL	7.0 - 21
Creatinine (Serum/Modified Jaffe)	0.91	mg/dL	0.9 - 1.3

INTERPRETATION: 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 etc.

CiC.			
Uric Acid (Serum/Enzymatic)	5.01	mg/dL	3.5 - 7.2
<u>Liver Function Test</u>			
Bilirubin(Total) (Serum/DCA with ATCS)	0.66	mg/dL	0.1 - 1.2
Bilirubin(Direct) (Serum/Diazotized Sulfanilic Acid)	0.35	mg/dL	0.0 - 0.3
Bilirubin(Indirect) (Serum/Derived)	0.31	mg/dL	0.1 - 1.0
SGOT/AST (Aspartate Aminotransferase) (Serum/Modified IFCC)	17.32	U/L	5 - 40
SGPT/ALT (Alanine Aminotransferase) (Serum/Modified IFCC)	11.38	U/L	5 - 41
GGT(Gamma Glutamyl Transpeptidase) (Serum/IFCC / Kinetic)	19.70	U/L	< 55
Alkaline Phosphatase (SAP) (Serum/Modified IFCC)	56.9	U/L	56 - 119







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Investigation	<u>Observed</u> <u>Value</u>	<u>Unit</u>	<u>Biological</u> <u>Reference Interval</u>
Total Protein (Serum/Biuret)	7.44	gm/dl	6.0 - 8.0
Albumin (Serum/Bromocresol green)	4.36	gm/dl	3.5 - 5.2
Globulin (Serum/ <i>Derived</i>)	3.08	gm/dL	2.3 - 3.6
A : G RATIO (Serum/Derived)	1.42		1.1 - 2.2
<u>Lipid Profile</u>			
Cholesterol Total (Serum/CHOD-PAP with ATCS)	175.75	mg/dL	Optimal: < 200 Borderline: 200 - 239 High Risk: >= 240
Triglycerides (Serum/GPO-PAP with ATCS)	57.16	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)	41.81	mg/dL	Optimal(Negative Risk Factor): >= 60 Borderline: 40 - 59 High Risk: < 40
LDL Cholesterol (Serum/Calculated)	122.5	mg/dL	Optimal: < 100 Above Optimal: 100 - 129 Borderline: 130 - 159 High: 160 - 189 Very High: >= 190
VLDL Cholesterol (Serum/Calculated)	11.4	mg/dL	< 30







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Non HDL Cholesterol (Serum/Calculated)	133.9	mg/dL	Optimal: < 130 Above Optimal: 130 - 159 Borderline High: 160 - 189 High: 190 - 219 Very High: >= 220

INTERPRETATION: 1. Non-HDL Cholesterol is now proven to be a better cardiovascular risk marker than LDL Cholesterol. 2. It is the sum of all potentially atherogenic proteins including LDL, IDL, VLDL and chylomicrons and it is the "new bad cholesterol" and is a co-primary target for cholesterol lowering therapy.

Total Cholesterol/HDL Cholesterol Ratio (Serum/Calculated)	4.2	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
Triglyceride/HDL Cholesterol Ratio (TG/HDL) (Serum/Calculated)	1.4	Optimal: < 2.5 Mild to moderate risk: 2.5 - 5.0 High Risk: > 5.0
LDL/HDL Cholesterol Ratio (Serum/Calculated)	2.9	Optimal: 0.5 - 3.0 Borderline: 3.1 - 6.0 High Risk: > 6.0

Glycosylated Haemoglobin (HbA1c)

INTERPRETATION: If Diabetes - Good control: 6.1 - 7.0 %, Fair control: 7.1 - 8.0 %, Poor control >= 8.1 %

Estimated Average Glucose 119.76 mg/dL

(Whole Blood)







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INTERPRETATION: Comments

HbA1c provides an index of Average Blood Glucose levels over the past 8 - 12 weeks and is a much better indicator of long term glycemic control as compared to blood and urinary glucose determinations.

Conditions that prolong RBC life span like Iron deficiency anemia, Vitamin B12 & Folate deficiency,

hypertriglyceridemia, hyperbilirubinemia, Drugs, Alcohol, Lead Poisoning, Asplenia can give falsely elevated HbA1C values.

Conditions that shorten RBC survival like acute or chronic blood loss, hemolytic anemia, Hemoglobinopathies, Splenomegaly, Vitamin E ingestion, Pregnancy, End stage Renal disease can cause falsely low HbA1c.

Prostate specific antigen - Total(PSA)

.50 ng/ml

(Serum/Manometric method)

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

INTERPRETATION: Analytical sensitivity: 0.008 - 100 ng/mL

PSA is a tumor marker for screening of prostate cancer. Increased levels of PSA are associated with prostate cancer and benign conditions like bacterial infection, inflammation of prostate gland and benign hypertrophy of prostate/ benign prostatic hyperplasia (BPH).

Transient elevation of PSA levels are seen following digital rectal examination, rigorous physical activity like bicycle riding, ejaculation within 24 hours.

PSA levels tend to increase in all men as they age.

Clinical Utility of PSA:

an the early detection of Prostate cancer.

dAs an aid in discriminating between Prostate cancer and Benign Prostatic disease.

ðΓo detect cancer recurrence or disease progression.

THYROID PROFILE / TFT

T3 (Triiodothyronine) - Total 1.03 ng/ml 0.4 - 1.81

(Serum/ECLIA)

INTERPRETATION:

Comment:

Total T3 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T3 is recommended as it is Metabolically active.

T4 (Tyroxine) - Total 6.44 μg/dl 4.2 - 12.0

(Serum/ECLIA)

INTERPRETATION:

Comment:

Total T4 variation can be seen in other condition like pregnancy, drugs, nephrosis etc. In such cases, Free T4 is recommended as it is Metabolically active.







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TSH (Thyroid Stimulating Hormone) (Serum/ECLIA)	21.96	μIU/mL	0.35 - 5.50

INTERPRETATION:

Reference range for cord blood - upto 20

1 st trimester: 0.1-2.5 2 nd trimester 0.2-3.0 3 rd trimester: 0.3-3.0

(Indian Thyroid Society Guidelines)

Comment:

1.TSH reference range during pregnancy depends on Iodine intake, TPO status, Serum HCG concentration, race, Ethnicity and BMI.

2.TSH Levels are subject to circadian variation, reaching peak levels between 2-4am and at a minimum between 6-10PM. The variation can be of the order of 50%, hence time of the day has influence on the measured serum TSH concentrations.

3.Values&lt, $0.03 \mu IU/mL$ need to be clinically correlated due to presence of rare TSH variant in some individuals.

PHYSICAL EXAMINATION (URINE COMPLETE)

Colour (Urine)	Amber	Yellow to Amber
Appearance (Urine)	Clear	Clear
Volume(CLU) (Urine)	20	
<u>CHEMICAL EXAMINATION (U</u> <u>COMPLETE)</u>	<u>RINE</u>	
pH (Urine)	5	4.5 - 8.0
Specific Gravity (Urine)	1.028	1.002 - 1.035
Ketone (Urine)	Negative	Negative
Urobilinogen (Urine)	Normal	Normal
Blood (Urine)	Negative	Negative







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Nitrite (Urine)	Negative		Negative	
Bilirubin (Urine)	Negative		Negative	
Protein (Urine)	Negative		Negative	
Glucose (Urine/ <i>GOD - POD</i>)	Negative		Negative	
Leukocytes(CP) (Urine)	Negative			
MICROSCOPIC EXAMINATION (URINE COMPLETE)				
Pus Cells (Urine)	0-2	/hpf	NIL	
Epithelial Cells (Urine)	0-2	/hpf	NIL	
RBCs (Urine)	NIL	/hpf	NIL	
Others (Urine)	NIL			
INTERPRETATION: Note: Done with Autom reviewed and confirmed microscopically.	ated Urine Analyser &	& Automated urine sedir	mentation analyser. All abnormal report	

Casts NIL /hpf NIL (Urine)

Crystals (Urine) NIL /hpf NIL (Urine)







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InvestigationObserved ValueUnit ValueBiological Reference IntervalBUN / Creatinine Ratio11.76.0 - 22.0





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InvestigationObservedUnitBiologicalValueReference Interval

URINE ROUTINE





-- End of Report --

Name	MR.ARYA SANJAY KUMAR	ID	MED112068552
Age & Gender	53Y/MALE	Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel		

2 D ECHOCARDIOGRAPHIC STUDY

M mode measurement:

AORTA : 3.5cms

LEFT ATRIUM : 3.9cms

AVS :----

LEFT VENTRICLE (DIASTOLE) : 5.3cms

(SYSTOLE) : 3.5cms

VENTRICULAR SEPTUM (DIASTOLE) : 0.9cms

(SYSTOLE) : 1.1cms

POSTERIOR WALL (DIASTOLE) : 0.9cms

(SYSTOLE) : 1.8cms

EDV : 133ml

ESV : 51ml

FRACTIONAL SHORTENING : 33% EJECTION FRACTION : 62%

EPSS :---

RVID : 1.9cms

DOPPLER MEASUREMENTS:

MITRAL VALVE : E' 0.84 m/s A' 0.56 m/s NO MR

AORTIC VALVE : 1.01 m/s NO AR

TRICUSPID VALVE : E' - m/s A' - m/s NO TR

PULMONARY VALVE : 0.96 m/s NO PR

Name	MR.ARYA SANJAY KUMAR	ID	MED112068552
Age & Gender	53Y/MALE	Visit Date	10 Feb 2024
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2D ECHOCARDIOGRAPHY FINDINGS:

Left ventricle : Normal size, Normal systolic function.

No regional wall motion abnormalities.

Left Atrium : Normal.

Right Ventricle : Normal.

Right Atrium : Normal.

Mitral valve : Normal, No mitral valve prolapsed.

Aortic valve : Normal, Trileaflet.

Tricuspid valve : Normal.

Pulmonary valve : Normal.

IAS : Intact.

IVS : Intact.

Pericardium : No pericardial effusion.

IMPRESSION:

- > NORMAL SIZED CARDIAC CHAMBERS.
- > NORMAL LV SYSTOLIC FUNCTION. EF:62 %.
- > NO REGIONAL WALL MOTION ABNORMALITIES.
- > NORMAL VALVES.
- > NO CLOTS / PERICARDIAL EFFUSION / VEGETATION.

DR. K.S. SUBRAMANI. MBBS, MD, DM (CARDIOLOGY) FESC SENIOR CONSULTANT INTERVENTIONAL CARDIOLOGIST SRI JAYADEVA INSTITUTE OF CARDIOLOGY, BANGALORE Kss/da

Note:

- * Report to be interpreted by qualified medical professional.
- * To be correlated with other clinical findings.
- * Parameters may be subjected to inter and intra observer variations.

Name	MR.ARYA SANJAY KUMAR	ID	MED112068552
Age & Gender	53Y/MALE	Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel	-	

^{*} Any discrepancy in reports due to typing errors should be corrected as soon as possible.

Name	MR.ARYA SANJAY KUMAR	ID	MED112068552
Age & Gender	53Y/MALE	Visit Date	10 Feb 2024
Ref Doctor Name	MediWheel	-	

ABDOMINO-PELVIC ULTRASONOGRAPHY

LIVER is normal in shape, size and has uniform echopattern. No evidence of focal lesion or intrahepatic biliary ductal dilatation. Hepatic and portal vein radicals are normal.

GALL BLADDER is partially distended and shows a calculus measuring about 11-12mm in size within the lumen. Gall bladder wall is of normal thickness.

CBD is of normal calibre.

PANCREAS has normal shape, size and uniform echopattern. No evidence of ductal dilatation or calcification.

SPLEEN shows normal shape, size and echopattern. No demonstrable Para -aortic lymphadenopathy.

KIDNEYS move well with respiration and have normal shape, size and echopattern. Cortico- medullary differentiations are well madeout. No evidence of calculus or hydronephrosis.

The kidney measures as follows:

,	Bipolar length (cms)	Parenchymal thickness (cms)
Right Kidney	13.0	1.1
Left Kidney	12.6	1.3

URINARY BLADDER shows normal shape and wall thickness. It has clear contents. No evidence of diverticula.

PROSTATE is mildly enlarged in size. It measures 3.7 x 3.4 x 4.1cms (Vol:27cc).

No evidence of ascites / pleural effusion.

IMPRESSION:

- > CHOLELITHIASIS. NO BILIARY DILATATION.
- > MILD PROSTATOMEGALY.

DR. APARNA CONSULTANT RADIOLOGIST A/

Name	MR.ARYA SANJAY KUMAR	ID	MED112068552
Age & Gender	53Y/MALE	Visit Date	10 Feb 2024
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Name	Mr. ARYA SANJAY KUMAR	Customer ID	MED112068552
Age & Gender	53Y/M	Visit Date	Feb 10 2024 8:58AM
Ref Doctor	MediWheel		

X - RAY CHEST PA VIEW

Bilateral lung fields appear normal.

Cardiac size is within normal limits.

Bilateral hilar regions appear normal.

Bilateral domes of diaphragm and costophrenic angles are normal.

Visualised bones and soft tissues appear normal.

Impression:

NO SIGNIFICANT ABNORMALITY DETECTED.

DR. APARNA

CONSULTANT RADIOLOGIST