NAME	Prasenjit DEY	STUDY DATE	25-02-2023 11:42:00
AGE / SEX	036Yrs / M	HOSPITAL NO.	MH010806154
REFERRING DEPT	OPD	MODALITY/Procedure	US /Echo-Cardiogram
		Description	
REPORTED ON	25-02-2023 13:42:47	REFERRED BY	Dr. Health Check MHD

2D ECHOCARDIOGRAPHY REPORT

Findings:

			End diastole	End systole
IVS thickness (cm)			1.2	1.5
Left Ventricular Dimension (cm)			3.7	2.4
Left Ventricular Posterior Wall th	1.1	1.3		
Aortic Root Diameter (cm)			2.8	
Left Atrial Dimension (cm)			3.0	
Left Ventricular Ejection Fraction	(%)		60%	
LEFT VENTRICLE	:	Normal ir	n size. No RWMA. L'	VEF=60%
RIGHT VENTRICLE	:	Normal ir	ı size. Normal RV fu	inction.
LEFT ATRIUM	:	Normal ir	n size	
RIGHT ATRIUM	:	Normal ir	ı size	
/ITRAL VALVE	:	Trace MR	2.	
AORTIC VALVE		: N	ormal	
TRICUSPID VALVE	:	Trace TR	(PASP ~ 22 mmHg	;)
PULMONARY VALVE	:	Normal		
MAIN PULMONARY ARTERY & TS BRANCHES	:	Appears r	normal.	
NTERATRIAL SEPTUM	:	Intact.		
NTERVENTRICULAR SEPTUM	:	Intact.		

N.B. : This is only a professional opinion and not the final diagnosis. Radiological investigations are subject to variations due to technical limitations. Hence, correlation with clinical findings and other investigations should be carried out to know true nature of illness.

NAME	Prasenjit DEY	STUDY DATE	25-02-2023 11:42:00
AGE / SEX	036Yrs / M	HOSPITAL NO.	MH010806154
REFERRING DEPT	OPD	MODALITY/Procedure	US /Echo-Cardiogram
		Description	
REPORTED ON	25-02-2023 13:42:47	REFERRED BY	Dr. Health Check MHD

PERICARDIUM

No pericardial effusion or thickening

DOPPLER STUDY

VALVE	Peak Velocity (cm/sec)	Maximum P.G. (mmHg)	Mean P. G. (mmHg)	Regurgitation	Stenosis
MITRAL	E= 82 A=58	-	-	Trace	Nil
AORTIC	140	-	-	Nil	Nil
TRICUSPID	-	Ν	N	Trace	Nil
PULMONARY	78	Ν	N	Nil	Nil

SUMMARY & INTERPRETATION:

o Normal sized RA/RV/LV/LA with no chamber hypertrophy. Normal RV function.

:

- o Trace MR.
- o Trace TR (PASP ~ 22 mmHg)
- o Normal mitral inflow pattern.
- o IVC normal in size, >50% collapse with inspiration, suggestive of normal RA pressure.
- o No clot/ no vegetation/ no pericardial effusion.

Please correlate clinically.

DR. SAMANJOY MUKHERJEE MD, DM CONSULTANT CARDIOLOGIST

N.B. : This is only a professional opinion and not the final diagnosis. Radiological investigations are subject to variations due to technical limitations. Hence, correlation with clinical findings and other investigations should be carried out to know true nature of illness.

o No LV regional wall motion abnormality with LVEF = 60%



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Name	: MR PRASENJIT DEY	Age :	36 Yr(s) Sex :Male
Registration No	: MH010806154	Lab No :	31230201121
Patient Episode	: H03000052435	Collection Date :	25 Feb 2023 11:08
Referred By Receiving Date	: HEALTH CHECK MHD : 25 Feb 2023 12:23	Reporting Date :	25 Feb 2023 16:02

Department of Transfusion Medicine (Blood Bank)

BLOOD GROUPING, RH TYPING & ANTIBODY SCREEN (TYPE & SCREEN) Specimen-Blood

Blood Group & Rh Typing (Agglutinaton by gel/tube technique)

A Rh(D) Positive Blood Group & Rh typing

Antibody Screening (Microtyping in gel cards using reagent red cells) Cell Panel I NEGATIVE Cell Panel II NEGATIVE Cell Panel III NEGATIVE Autocontrol NEGATIVE

Final Antibody Screen Result

Negative

Technical Note:

ABO grouping and Rh typing is done by cell and serum grouping by microplate / gel technique. Antibody screening is done using a 3 cell panel of reagent red cells coated with Rh, Kell, Duffy, Kidd, Lewis, P, MNS, Lutheran and Xg antigens using gel technique.

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Dr Himanshu Lamba





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Name	:	MR PRASENJIT DEY			Age	:	36 Yr(s) Sex :Male
Registration No	:	MH010806154			Lab No	:	32230209710
Patient Episode	:	H03000052435			Collection Da	te :	25 Feb 2023 11:08
Referred By Receiving Date	: :	HEALTH CHECK MHD 25 Feb 2023 11:35			Reporting Da	te :	25 Feb 2023 16:13
		В	IOCHEMIST	ŔŶ			
Glycosylated Hem	logl	obin		Speci	men: EDTA Wł	nole	blood
HbAlc (Glycosyla	tec	Hemoglobin)	5.5	% Non d Predi		lts Risk	
Methodology		(HPLC)					
Estimated Avera	ge	Glucose (eAG)	111	m	g/dl		
	-	ovides an index of aver ks and is a much better	-	-			-
Specimen Type :	Ser	um					

THYROID PROFILE, Serum

T3 – Triiodothyronine (ECLIA)	1.14	ng/ml	[0.70-2.04]
T4 - Thyroxine (ECLIA)	9.23	micg/dl	[4.60-12.00]
Thyroid Stimulating Hormone (ECLIA)	4.680 #	µIU/mL	[0.340-4.250]

Note : TSH levels are subject to circadian variation, reaching peak levels between 2-4.a.m.and at a minimum between 6-10 pm.Factors such as change of seasons hormonal fluctuations, Ca or Fe supplements, high fibre diet, stress and illness affect TSH results.

* References ranges recommended by the American Thyroid Association 1) Thyroid. 2011 Oct;21(10):1081-125.PMID .21787128

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Name	: MR PRASENJIT DEY	Age :	36 Yr(s) Sex :Male
Registration No	: MH010806154	Lab No :	32230209710
Patient Episode	: H03000052435	Collection Date :	25 Feb 2023 11:08
Referred By Receiving Date	: HEALTH CHECK MHD : 25 Feb 2023 11:33	Reporting Date :	25 Feb 2023 12:47

BIOCHEMISTRY

2) http://www.thyroid-info.com/articles/tsh-fluctuating.html

Test Name	Result	Unit	Biological Ref. Interval
Lipid Profile (Serum) TOTAL CHOLESTEROL (CHOD/POD)	201 #	mg/dl	[<200] Moderate risk:200-239
TRIGLYCERIDES (GPO/POD)	120	mg/dl	High risk:>240 [<150] Borderline high:151-199
HDL - CHOLESTEROL (Direct)	55	mg/dl	High: 200 - 499 Very high:>500 [30-60]
VLDL - Cholesterol (Calculated) LDL- CHOLESTEROL	24 122 #	mg/dl mg/dl	[10-40] [<100] Near/Above optimal-100-129
T.Chol/HDL.Chol ratio	3.7		Borderline High:130-159 High Risk:160-189 <4.0 Optimal 4.0-5.0 Borderline >6 High Risk
LDL.CHOL/HDL.CHOL Ratio	2.2		<3 Optimal 3-4 Borderline >6 High Risk

Note:

Reference ranges based on ATP III Classifications. Recommended to do fasting Lipid Profile after a minimum of 8 hours of overnight fasting.

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Name	:	MR PRASENJIT DEY	Age	:	36 Yr(s) Sex :Male
Registration No	:	MH010806154	Lab No	:	32230209710
Patient Episode	:	H03000052435	Collection Dat	te :	25 Feb 2023 11:08
Referred By Receiving Date	:	HEALTH CHECK MHD 25 Feb 2023 11:33	Reporting Dat	te :	25 Feb 2023 12:36

BIOCHEMISTRY

Test Name	Result	Unit	Biological Ref. Interval
LIVER FUNCTION TEST (Serum)			
BILIRUBIN-TOTAL (mod.J Groff)**	0.53	mg/dl	[0.10-1.20]
BILIRUBIN - DIRECT (mod.J Groff)	0.19	mg/dl	[<0.2]
BILIRUBIN - INDIRECT (mod.J Groff)	0.34	mg/dl	[0.20-1.00]
SGOT/ AST (P5P,IFCC)	23.30	IU/L	[5.00-37.00]
SGPT/ ALT (P5P,IFCC)	25.30	IU/L	[10.00-50.00]
ALP (p-NPP,kinetic)*	103	IU/L	[45-135]
TOTAL PROTEIN (mod.Biuret)	8.5 #	g/dl	[6.0-8.2]
SERUM ALBUMIN (BCG-dye)	5.0	g/dl	[3.5-5.0]
SERUM GLOBULIN (Calculated)	3.5 #	g/dl	[1.8-3.4]
ALB/GLOB (A/G) Ratio	1.43		[1.10-1.80]

Note:

**NEW BORN:Vary according to age (days), body wt & gestation of baby *New born: 4 times the adult value

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Name	: MR PRASENJIT DEY	Age :	36 Yr(s) Sex :Male
Registration No	: MH010806154	Lab No :	32230209710
Patient Episode	: H03000052435	Collection Date :	25 Feb 2023 11:08
Referred By Receiving Date	: HEALTH CHECK MHD : 25 Feb 2023 11:33	Reporting Date :	25 Feb 2023 12:35

BIOCHEMISTRY

Test Name	Result	Unit B	iological Ref. Interval
KIDNEY PROFILE (Serum)			
BUN (Urease/GLDH)	9.00	mg/dl	[8.00-23.00]
SERUM CREATININE (mod.Jaffe)	0.75 #	mg/dl	[0.80-1.60]
SERUM URIC ACID (mod.Uricase)	4.0	mg/dl	[3.5-7.2]
SERUM CALCIUM (NM-BAPTA)	9.8	mg/dl	[8.6-10.0]
SERUM PHOSPHORUS (Molybdate, UV)	4.0	mg/dl	[2.3-4.7]
SERUM SODIUM (ISE)	133.0 #	mmol/l	[134.0-145.0]
SERUM POTASSIUM (ISE)	4.80	mmol/l	[3.50-5.20]
SERUM CHLORIDE (ISE / IMT)	96.6	mmol/l	[95.0-105.0]
eGFR	118.0	ml/min/1.73sq	[.m [>60.0]

Technical Note

eGFR which is primarily based on Serum Creatinine is a derivation of CKD-EPI 2009 equation normalized to1.73 sq.m BSA and is not applicable to individuals below 18 years. eGFR tends to be less accurate when Serum Creatinine estimation is indeterminate e.g. patients at extremes of muscle mass, on unusual diets etc. and samples with severe Hemolysis / Icterus / Lipemia.

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Neefam Singe

Dr. Neelam Singal CONSULTANT BIOCHEMISTRY





-----END OF REPORT----

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Name	MR PRASENJIT DEY	Age :	36 Yr(s) Sex :Male
Registration No	MH010806154	Lab No :	32230209711
Patient Episode	H03000052435	Collection Date :	25 Feb 2023 14:43
Referred By Receiving Date	HEALTH CHECK MHD 25 Feb 2023 15:19	Reporting Date :	25 Feb 2023 22:00

BIOCHEMISTRY

Specimen Type : Plasma PLASMA GLUCOSE - PP

Plasma	GLUCOSE - P	PP (Hexokinase)	137	mg/dl	[70-140]
--------	-------------	-----------------	-----	-------	----------

Note : Conditions which can lead to lower postprandial glucose levels as compared to fasting glucose are excessive insulin release, rapid gastric emptying, brisk glucose absorption , post exercise

Specimen Type : Serum/Plasma

Plasma	GLUCOSE-Fasting	(Hexokinase)	93	mg/dl	[70-100]

-----END OF REPORT------

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Neefam \$

Dr. Neelam Singal CONSULTANT BIOCHEMISTRY















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Name	: MR PRASENJIT DEY	Age :	36 Yr(s) Sex :Male
Registration No	: MH010806154	Lab No :	33230205999
Patient Episode	: H03000052435	Collection Date :	25 Feb 2023 11:09
Referred By Receiving Date	: HEALTH CHECK MHD : 25 Feb 2023 11:35	Reporting Date :	25 Feb 2023 16:15

HAEMATOLOGY

/1sthour

[0.0-10.0]

ERYTHROCYTE SEDIMENTATION RATE (Automated) Specimen-Whole Blood

ESR	5.0

Interpretation :

Erythrocyte sedimentation rate (ESR) is a non-specific phenomena and is clinically useful in the diagnosis and monitoring of disorders associated with an increased production of acute phase reactants (e.g. pyogenic infections, inflammation and malignancies). The ESR is increased in pregnancy from about the 3rd month and returns to normal by the 4th week postpartum.

ESR is influenced by age, sex, menstrual cycle and drugs (eg. corticosteroids, contraceptives).

It is especially low (0 -1mm) in polycythemia, hypofibrinogenemia or congestive cardiac failure and when there are abnormalities of the red cells such as poikilocytosis, spherocytosis or sickle cells.

Test Name	Result	Unit Bio	ological Ref. Interval
COMPLETE BLOOD COUNT (EDTA Blood)			
WBC Count (Flow cytometry)	7540	/cu.mm	[4000-10000]
RBC Count (Impedence)	5.38	million/cu.mm	[4.50-5.50]
Haemoglobin (SLS Method)	14.3	g/dL	[13.0-17.0]
Haematocrit (PCV)	44.2	00	[40.0-50.0]
(RBC Pulse Height Detector Method)			
MCV (Calculated)	82.2 #	fL	[83.0-101.0]
MCH (Calculated)	26.6	bà	[25.0-32.0]
MCHC (Calculated)	32.4	g/dL	[31.5-34.5]
Platelet Count (Impedence)	199000	/cu.mm	[150000-410000]
RDW-CV (Calculated)	14.3 #	8	[11.6-14.0]
DIFFERENTIAL COUNT			
Neutrophils (Flowcytometry)	65.8	90	[40.0-80.0]



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Name	: MR PRASENJIT DEY	Age : 3	6 Yr(s) Sex :Male
Registration No	: MH010806154	Lab No : 3	3230205999
Patient Episode	: H03000052435	Collection Date : 2	5 Feb 2023 11:09
Referred By Receiving Date	: HEALTH CHECK MHD: 25 Feb 2023 11:35	Reporting Date : 2	5 Feb 2023 16:16

Lymphocytes (Flowcytometry)	21.8		00	[20.0-40.0]
Monocytes (Flowcytometry)	7.0		00	[2.0-10.0]
Eosinophils (Flowcytometry)	4.6		00	[1.0-6.0]
Basophils (Flowcytometry)	0.8 #		00	[1.0-2.0]
IG	0.40		olo	
Neutrophil Absolute(Flouroscence	flow cytometry)	5.0	/cu mm	[2.0-7.0]x10 ³
Lymphocyte Absolute(Flouroscence	flow cytometry)	1.6	/cu mm	[1.0-3.0]x10 ³
Monocyte Absolute (Flouroscence fl	ow cytometry)	0.5	/cu mm	[0.2-1.2]x10 ³
Eosinophil Absolute(Flouroscence	flow cytometry)	0.4	/cu mm	[0.0-0.5]x10 ³
Basophil Absolute(Flouroscence fl	ow cytometry)	0.1	/cu mm	[0.0-0.1]x10 ³

HAEMATOLOGY

Complete Blood Count is used to evaluate wide range of health disorders, including anemia, infection, and leukemia. Abnormal increase or decrease in cell counts as revealed may indicate that an underlying medical condition that calls for further evaluation.

-----END OF REPORT-----

Dr. Privanka Bhatia CONSULTANT PATHOLOGY





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Name	:	MR PRASENJIT DEY	Age	:	36 Yr(s) Sex :Male
Registration No	:	MH010806154	Lab No	:	38230201702
Patient Episode	:	H03000052435	Collection Dat	te :	25 Feb 2023 11:09
Referred By Receiving Date	: :	HEALTH CHECK MHD 25 Feb 2023 11:52	Reporting Da	te :	25 Feb 2023 15:38

CLINICAL PATHOLOGY

Test Name	Result	Biological Ref. Interval
ROUTINE URINE ANALYSIS		
MACROSCOPIC DESCRIPTION		
Colour (Visual)	PALE YELLOW	(Pale Yellow - Yellow)
Appearance (Visual)	CLEAR	
CHEMICAL EXAMINATION		
Reaction[pH]	6.5	(5.0-9.0)
(Reflectancephotometry(Indicator Meth	od))	
Specific Gravity	1.015	(1.003-1.035)
(Reflectancephotometry(Indicator Meth	od))	
Bilirubin	Negative	NEGATIVE
Protein/Albumin	Negative	(NEGATIVE-TRACE)
(Reflectance photometry(Indicator Met)	hod)/Manual SSA)	
Glucose	NOT DETECTED	(NEGATIVE)
(Reflectance photometry (GOD-POD/Bene	dict Method))	
Ketone Bodies	NOT DETECTED	(NEGATIVE)
(Reflectance photometry(Legal's Test)	/Manual Rotheras)	
Urobilinogen	NORMAL	(NORMAL)
Reflactance photometry/Diazonium salt	reaction	
Nitrite	NEGATIVE	NEGATIVE
Reflactance photometry/Griess test		
Leukocytes	NIL	NEGATIVE
Reflactance photometry/Action of Este	rase	
BLOOD	NIL	NEGATIVE
(Reflectance photometry(peroxidase))		
MICROSCOPIC EXAMINATION (Manual) Ma	ethod: Light microscopy on	centrifuged urine
WBC/Pus Cells	0-1 /hpf	(4-6)
Red Blood Cells	NIL	(1-2)
Epithelial Cells	1-2 /hpf	(2-4)
Casts	NIL	(NIL)
Crystals	NIL	(NIL)
Bacteria	NIL	
Yeast cells	NIL	

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Name	: MR PRASENJIT DEY	Age :	36 Yr(s) Sex :Male
Registration No	: MH010806154	Lab No :	38230201702
Patient Episode	: H03000052435	Collection Date :	25 Feb 2023 11:09
Referred By Receiving Date	HEALTH CHECK MHD25 Feb 2023 11:52	Reporting Date :	25 Feb 2023 15:38

CLINICAL PATHOLOGY

Interpretation:

URINALYSIS-Routine urine analysis assists in screening and diagnosis of various metabolic , urological, kidney and liver disorders

Protein: Elevated proteins can be an early sign of kidney disease. Urinary protein excretion can also be temporarily elevated by strenuous exercise, orthostatic proteinuria, dehydration, urina tract infections and acute illness with fever

Glucose: Uncontrolled diabetes mellitus can lead to presence of glucose in urine.

Other causes include pregnancy, hormonal disturbances, liver disease and certain medications.

Ketones: Uncontrolled diabetes mellitus can lead to presence of ketones in urine.

Ketones can also be seen in starvation, frequent vomiting, pregnancy and strenuous exercise.

Blood: Occult blood can occur in urine as intact erythrocytes or haemoglobin, which can occur in various urological, nephrological and bleeding disorders.

Leukocytes: An increase in leukocytes is an indication of inflammation in urinary tract or kidneys Most Common cause is bacterial urinary tract infection.

Nitrite: Many bacteria give positive results when their number is high. Nitrite concentration duri infection increases with length of time the urine specimen is retained in bladder prior to collection.

pH: The kidneys play an important role in maintaining acid base balance of the body. Conditions of the body producing acidosis/alkalosis or ingestion of certain type of food can affect the pH of urine.

Specific gravity: Specific gravity gives an indication of how concentrated the urine is. Increased Specific gravity is seen in conditions like dehydration, glycosuria and proteinuria while decrease Specific gravity is seen in excessive fluid intake, renal failure and diabetes insipidus. Bilirubin: In certain liver diseases such as biliary obstruction or hepatitis,

bilirubin gets excreted in urine.

Urobilinogen: Positive results are seen in liver diseases like hepatitis and cirrhosis and in case of hemolytic anemia.

	END 0	F REPORT		
			hugento	
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NAME	Prasenjit DEY	STUDY DATE	25-02-2023 11:35:56
AGE / SEX	036Yrs / M	HOSPITAL NO.	MH010806154
REFERRING DEPT	OPD	MODALITY/Procedure	CR /Xray chest PA (CXR)
		Description	
REPORTED ON	25-02-2023 14:59:17	REFERRED BY	Dr. Health Check MHD

X-RAY CHEST - PA VIEW

Findings:

Visualized lung fields appear clear.

Both hilar shadows appear normal.

Cardiothoracic ratio is within normal limits.

Both hemidiaphragmatic outlines appear normal.

Both costophrenic angles are clear.

Kindly correlate clinically

Anneh

Dr. Aarushi MD,DNB, DMC/R/03291 Consultant Radiologist

NAME	Prasenjit DEY	STUDY DATE	25-02-2023 11:35:56
AGE / SEX	036Yrs / M	HOSPITAL NO.	MH010806154
REFERRING DEPT	OPD	MODALITY/Procedure	CR /Xray chest PA (CXR)
		Description	
REPORTED ON	25-02-2023 14:59:17	REFERRED BY	Dr. Health Check MHD

N.B. : This is only a professional opinion and not the final diagnosis. Radiological investigations are subject to variations due to technical limitations. Hence, correlation with clinical findings and other investigations should be carried out to know true nature of illness.