LABORATORY INVESTIGATION REPORT

Patient Name	: Mrs. MOUSUMI MAITY	**Age/Sex**	: 32 Year(s)/Female
UHID	: NMHK.2209531	**Order Date**	: 25/06/2022 12:24
Episode	: OP	**Mobile No**	: 8884754810
Ref. Doctor	: NMH	**DOB**	: 01/01/1990
Address	: BIREN ROY ROAD , BEHALA ,Kolkata,West Bengal ,700008	**Facility**	: NARAYAN MEMORIAL HOSPITAL

Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE

Sample No : 07H0067358A Collection Date : 25/06/22 12:42 Ack Date : 25/06/2022 13:11 Report Date : 25/06/22 18:54

GLYCOSYLATED HAEMOGLOBIN (HBA1C)

SAMPLE : EDTA BLOOD

HBA1C	5.3		

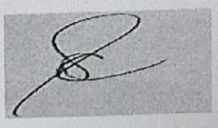
Interpretation & Remark:

1. *HbA1c is used for monitoring diabetic control. It reflects the estimated average glucose.*
2. *HbA1c has been endorsed by clinical groups & American Diabetes Association guidelines 2017, for diagnosis of diabetes using a cut-off point of 6.5%.*
3. *Trends in HbA1c are a better indicator of diabetic control than a solitary test.*
4. *Low HbA1c in a non-diabetic individual are often associated with systemic inflammatory diseases, chronic anaemia (Specially severe iron deficiency anaemia & haemolytic), chronic renal failure and liver diseases. Clinical correlation suggested.*
5. *Interference of Haemoglobinopathies in HbA1c estimation.*
   A. For HbF > 25%, an alternate platform (Fructosamine) is recommended for testing of HbA1c.
   B. Homozygous hemoglobinopathy is detected, fructosamine is recommended for monitoring diabetic status.
   C. Heterozygous state detected (D10/ turbo is corrected for HbS and HbC trait).
6. *For known diabetic patients, following values can be considered as a tool for monitoring the glycemic control :*

Excellent Control - 6 -7 %,
Fair to Good Control - 7 - 8 %,
Unsatisfactory Control - 8 - 10 %
Poor Control - > 10 % .

Note : Hemoglobin electrophoresis (HPLC method) is recommended for detecting hemoglobinopathy.

End of Report



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Biochemistry

Sample No : 07H0067358 Collection Date : 25/06/22 12:42 Ack Date : 25/06/2022 13:11 Report Date : 25/06/22 18:56

LIVER FUNCTION TEST (LFT)

SAMPLE : SERUM

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
TOTAL BILIRUBIN *Diazo Method*	0.7	mg/dl	0 - 1.1
DIRECT BILIRUBIN *Diazo Method*	0.2	mg/dl	0 - 0.2
INDIRECT BILIRUBIN *Calculated*	0.5	mg/dl	0.2 - 0.9
SGPT (ALT) *IFCC Without Pyridoxal Phosphate*	14	U/L	0 - 34
SGOT (AST) *IFCC Without Pyridoxal Phosphate*	17	U/L	0 - 31
ALKALINE PHOSPHATASE *IFCC*	88	U/L	53 - 128
TOTAL PROTEIN *Biuret*	7.7	g/dl	6.4 - 8.2
ALBUMIN *Bromocresol Green*	5.1	gm/dl	3.5 - 5.2
GLOBULIN *Calculated*	2.6	g/dl	2 - 3.5
ALBUMIN:GLOBULIN *Calculated*	2.0	-	1.1 - 2.5
GGT *Enzymatic colorimetric assay*	11	U/L	5 - 36

End of Report

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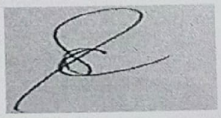
Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0067357	Collection Date : 25/06/22 12:42	Ack Date : 25/06/2022 13:07	Report Date : 25/06/22 18:56
LIPID PROFILE			
SAMPLE : SERUM			
TOTAL CHOLESTEROL	148	mg/dl	Desirable<200 | Borderline 200-239 | High >=240
CHOD-PAP			
HDL CHOLESTEROL	**36** ▼	mg/dl	40 - 60
Homogenous Enzymatic Colorimetric			
LDL CHOLESTEROL	103	mg/dl	Optimal < 100 | Borderline 130
Homogenous Enzymatic Colorimetric			
VLDL	16	mg/dl	0 - 30
CALCULATED			
CHOLESTEROL-HDL RATIO	4.11	-	
LDL-HDL RATIO	2.86	-	
TRIGLYCERIDES	79	mg/dl	Desirable <150 | Borderline 150 - 200 | High >200
Enzymatic Colorimetric			

End of Report



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Biochemistry

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
Sample No : 07H0067357	Collection Date : 25/06/22 12:42	Ack Date : 25/06/2022 13:07	Report Date : 25/06/22 18:56
SERUM CREATININE			
SAMPLE : SERUM			
SERUM CREATININE *Jaffe Gen2 Compensated*	0.7	mg/dl	0.5 - 0.9
BLOOD UREA NITROGEN			
BLOOD UREA NITROGEN *Calculated*	09	mg/dl	6 - 20
URIC ACID			
SAMPLE : SERUM			
URIC ACID *Enzymatic Colorimetric*	4.3	mg/dl	2.4 - 5.7
SAMPLE : SERUM			
RESULT	12.8		
Sample No : 07H0067357A	Collection Date : 25/06/22 12:42	Ack Date : 25/06/2022 13:10	Report Date : 25/06/22 18:56
BLOOD SUGAR(F)			
SAMPLE : PLASMA			
BLOOD SUGAR FASTING *Hexokinase*	86	mg/dl	70 - 109
Sample No : 07H0067454B	Collection Date : 26/06/22 14:03	Ack Date : 26/06/2022 14:38	Report Date : 27/06/22 11:10
BLOOD SUGAR(PP)			
SAMPLE : PLASMA			
BLOOD SUGAR PP *Hexokinase*	90	mg/dl	70.00 - 140.00

End of Report

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Hematology

Sample No : 07H0067357 Collection Date : 25/06/22 12:42 Ack Date : 25/06/2022 13:07 Report Date : 25/06/22 16:21

INVESTIGATION	RESULTS	UNITS	BIOLOGICAL REF RANGE
COMPLETE HAEMOGRAM (CBC)			
SAMPLE : EDTA BLOOD			
HAEMOGLOBIN (HB)	**10.1 ▼**	gm/dl	12 - 15
Colorimetric method (Cyn Meth)			
RBC COUNT	4.47	x10^6/ul	3.8 - 4.8
Electrical Impedance Method			
TOTAL WBC COUNT	6.8	10^3/cmm	4 - 10
Electrical Impedance Method			
PLATELET COUNT	200	10^3/cmm	150 - 410
Electrical Impedance Method			
PCV	**31 ▼**	%	36 - 46
RBC pulse ht. detection method			
MCV	**70 ▼**	fl	83 - 101
calculated			
MCH	**23 ▼**	pg	27 - 32
Calculated			
MCHC	32	gm/dl	31.5 - 34.5
Calculated			
ESR	10	%	0 - 12
Modified Westergren Method			
DIFFERENTIAL COUNT			
NEUTROPHILS	64	%	40 - 80
Microscopy			
LYMPHOCYTES	32	%	20 - 40
Microscopy			
MONOCYTES	02	%	2 - 10
Microscopy			
EOSINOPHILS	02	%	1 - 6
Microscopy			

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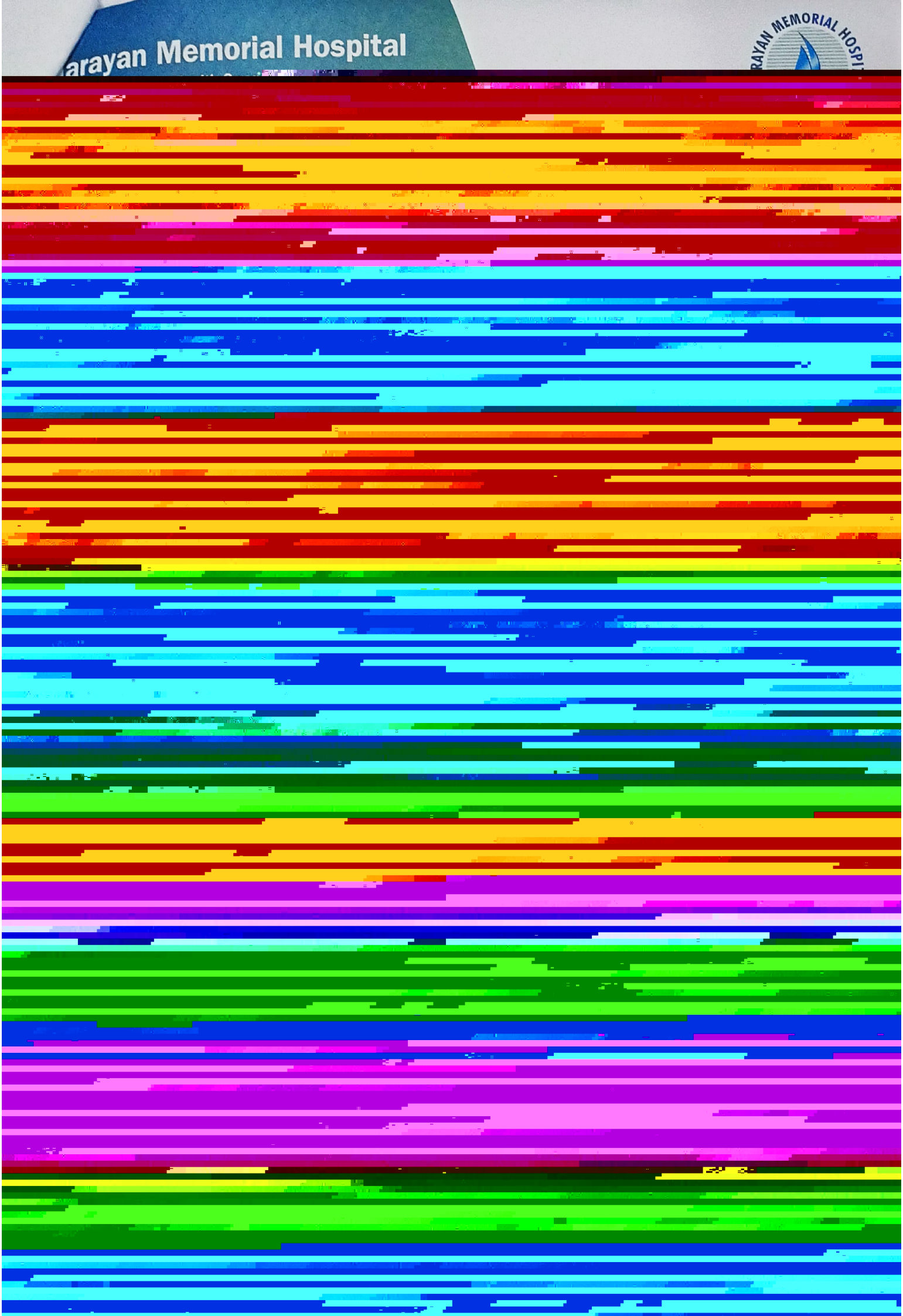
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DIAGNOSTICS REPORT

Patient Name	: Mrs. MOUSUMI MAITY	Order Date	: 25/06/2022 12:24
Age/Sex	: 32 Year(s)/Female	Report Date	: 25/06/2022 14:36
UHID	: NMHK.2209531	IP No	:
Ref. Doctor	: NMH	Facility	: NARAYAN MEMORIAL HOSPITAL
Address	: BIREN ROY ROAD, BEHALA,Kolkata, West Bengal, 700008	Mobile	: 8884754810

USG WHOLE ABDOMEN (SCREENING)

LIVER : Liver is normal in size. Liver measures 14 cm. Parenchymal echotexture is normal. Intrahepatic biliary radicles & hepatic veins are not dilated. No focal mass lesion seen.

PORTA :PV : Normal. PV measures 0.9 cm.
CBD : Normal. CBD measures 0.3 cm. No calculus or SOL seen within its visualised part.

GALL BLADDER : Gall bladder is well distended. No calculus or SOL seen. Wall thickness is normal. Ultrasonographic Murphy's sign is negative.

PANCREAS : Pancreas is normal in size and parenchymal echogenicity. Pancreatic duct is not dilated. No focal SOL / peripancreatic collection seen.

SPLEEN : Spleen is mildly enlarged. Spleen measures : 12 cm. Parenchyma shows normal homogeneous pattern. No focal SOL seen. Splenic vein is normal.

KIDNEYS : Both kidneys are normal in size, shape, outline, position and parenchymal echogenicity. Corticomedullary differentiation is maintained. No evidence of any calculus / SOL / hydronephrosis seen.
Right kidney measures : 11.4 cm & Left kidney measures : 11.5 cm.

URETERS : Not seen dilated.

URINARY BLADDER : Urinary bladder is normal in contour, outline and distension. Walls are of normal thickness. No vesical calculus or mass lesion seen.

POST VOID BLADDER : No significant residual urine seen.

DIAGNOSTICS REPORT

Patient Name	: Mrs. MOUSUMI MAITY	Order Date	: 25/06/2022 12:24
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UHID	: NMHK.2209531	IP No	:
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UTERUS : Bulky, anteverted. **Myometrium is heterogeneous.** No focal SOL seen. Endometrium is of normal thickness (0.7 cm). Uterus measures 7.2 cm x 4.8 cm x 3.6 cm. Cervix appears normal.

OVARIES : Both ovaries are normal in size, shape and echopattern. No SOL seen. Right ovary : measures 2.8 cm x 1.7 cm. Left ovary : measures 2.9 cm x 1.8 cm.

POD : No collection seen.

PERITONEUM : No free fluid seen.

RETROPERITONEUM : IVC and aorta appear normal. No lymphadenopathy is seen.

IMPRESSION :

*** Mild splenomegaly.**

*** Bulky uterus with heterogenous myometrium s/o adenomyosis.**

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