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AAROGYAM DIAGNOSTICS
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Date	**13/11/2021**	**Srl No.**	**17**	**Patient Id**	**2111130017**
Name	**Mr. MANOJ KUMAR**	**Age**	**51 Yrs.**	**Sex**	**M**
Ref. By Dr.BOB					

Test Name	Value	Unit	Normal Value

HAEMATOLOGY

HB A1C	5.2	%	

EXPECTED VALUES :-

Metabolicaly healthy patients	=	4.8 - 5.5 % HbAIC
Good Control	=	5.5 - 6.8 % HbAIC
Fair Control	=	6.8-8.2 % HbAIC
Poor Control	=	>8.2 % HbAIC

REMARKS:-

In vitro quantitative determination of **HbAIC** in whole blood is utilized in long term monitoring of glycemia .

The **HbAIC** level correlates with the mean glucose concentration prevailing in the course of the patient's recent history (approx - 6-8 weeks) and therefore provides much more reliable information for glycemia monitoring than do determinations of blood glucose or urinary glucose.

It is recommended that the determination of **HbAIC** be performed at intervals of 4-6 weeksduring Diabetes
Mellitus therapy.

Results of **HbAIC** should be assessed in conjunction with the patient's medical history, clinical examinations
and other findings.

****** End Of Report ******

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Test Name	Value	Unit	Normal Value
COMPLETE BLOOD COUNT (CBC)			
HAEMOGLOBIN (Hb)	13.6	gm/dl	13.5 - 18.0
TOTAL LEUCOCYTE COUNT (TLC)	6,800	/cumm	4000 - 11000
DIFFERENTIAL LEUCOCYTE COUNT (DLC)			
NEUTROPHIL	66	%	40 - 75
LYMPHOCYTE	31	%	20 - 45
EOSINOPHIL	01	%	01 - 06
MONOCYTE	02	%	02 - 10
BASOPHIL	00	%	0 - 0
ESR (WESTEGREN`s METHOD)	12	mm/Ist hr.	0 - 15
R B C COUNT	4.51	Millions/cmm	4.5 - 5.5
P.C.V / HAEMATOCRIT	40.8	%	40 - 54
M C V	90.47	fl.	80 - 100
M C H	30.16	Picogram	27.0 - 31.0
M C H C	33.3	gm/dl	33 - 37
PLATELET COUNT	2.38	Lakh/cmm	1.50 - 4.00
BLOOD GROUP ABO	"O"		
RH TYPING	POSITIVE		

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Test Name	Value	Unit	Normal Value
	BIOCHEMISTRY		
BLOOD SUGAR FASTING	91.9	mg/dl	70 - 110
BLOOD SUGAR PP	100.7	mg/dl	80 - 160
SERUM CREATININE	0.99	mg%	0.7 - 1.4
BLOOD UREA	24.3	mg /dl	15.0 - 45.0
SERUM URIC ACID	4.8	mg%	3.4 - 7.0
LIVER FUNCTION TEST (LFT)			
BILIRUBIN TOTAL	0.63	mg/dl	0 - 1.0
CONJUGATED (D. Bilirubin)	0.17	mg/dl	0.00 - 0.40
UNCONJUGATED (I.D.Bilirubin)	0.46	mg/dl	0.00 - 0.70
TOTAL PROTEIN	7.0	gm/dl	6.6 - 8.3
ALBUMIN	3.7	gm/dl	3.4 - 4.8
GLOBULIN	3.3	gm/dl	2.3 - 3.5
A/G RATIO	**1.121**		
SGOT	25.3	IU/L	5 - 40
SGPT	27.4	IU/L	5.0 - 55.0
ALKALINE PHOSPHATASE IFCC Method	111.9	U/L	40.0 - 130.0
GAMMA GT	25.6	IU/L	8.0 - 71.0
LFT INTERPRET			
LIPID PROFILE			
TRIGLYCERIDES	107.8	mg/dL	25.0 - 165.0

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Test Name	Value	Unit	Normal Value
TOTAL CHOLESTEROL	170.5	mg/dL	29.0 - 199.0
H D L CHOLESTEROL DIRECT	51.7	mg/dL	35.1 - 88.0
V L D L	21.56	mg/dL	4.7 - 22.1
L D L CHOLESTEROL DIRECT	97.24	mg/dL	63.0 - 129.0
TOTAL CHOLESTEROL/HDL RATIO	3.298		0.0 - 4.97
LDL / HDL CHOLESTEROL RATIO	1.881		0.00 - 3.55
THYROID PROFILE			
T3	1.02	ng/ml	0.60 - 1.81
T4 Chemiluminescence	10.15	ug/dl	4.5 - 10.9
TSH Chemiluminescence	2.17	uIU/ml	

REFERENCE RANGE

PAEDIATRIC AGE GROUP		
0-3 DAYS	1-20	ulu/ ml
3-30 DAYS	0.5 - 6.5	ulu/ml
I MONTH -5 MONTHS	0.5 - 6.0	ulu/ml
6 MONTHS- 18 YEARS	0.5 - 4.5	ulu/ml
ADULTS	0.39 - 6.16	ulu/ml

Note: TSH levels are subject to circadian variation, rising several hours before the onset of sleep, reaching peak levels between 11 pm to 6 am. Nadir concentrations are observed during the afternoon.
Diurnal variation in TSH level approximates ± 50 %, hence time of the day has influence on the measured serum TSH concentration.

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Test Name	Value	Unit	Normal Value

Assay performed on enhanced chemi lumenescence system (Centaur-Siemens)

Serum T3,T4 & TSH measurements form the three components of Thyroid screening panel, useful in diagnosing various disorders of Thyroid gland function.

1. Primary hypothyroidism is accompanied by depressed serum T3 and T4 values and elevated serum TSH level.

2. Primary hyperthyroidism is accompanied by elevated serum T3 and T4 levels along with depressed TSH values.

3. Normal T4 levels are accompanied by increased T3 in patients with T3 thyrotoxicosis.

4. Slightly elevated T3 levels may be found in pregnancy and estrogen therapy, while depressed levels may be encountered in severe illness, renal failure and during therapy with drugs like propranolol and propyl thiouracil.

5. Although elevated TSH levels are nearly always indicative of primary hyporthyroidism, and may be seen in secondary thyrotoxicosis.

URINE EXAMINATION TEST

PHYSICAL EXAMINATION

QUANTITY	20	ml.
COLOUR	PALE YELLOW	
TRANSPARENCY	CLEAR	
SPECIFIC GRAVITY	1.020	
PH	6.0	

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Test Name	Value	Unit	Normal Value
CHEMICAL EXAMINATION			
ALBUMIN	NIL		
SUGAR	NIL		
MICROSCOPIC EXAMINATION			
PUS CELLS	0-1	/HPF	
RBC'S	NIL	/HPF	
CASTS	NIL		
CRYSTALS	NIL		
EPITHELIAL CELLS	0-1	/HPF	
BACTERIA	NIL		
OTHERS	NIL		

STOOL EXAMINATION

STOOL ROUTINE & MICROSCOPY

PHYSICAL EXAMINATION	
COLOUR/ APPEARANCE	BROWNISH
CONSISTENCY	SEMI-FORMED
PUS	NIL
MUCUS	NIL
BLOOD	NIL
CHEMICAL REACTION	
REACTION	ACIDIC

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MICROSCOPY EXAMINATION

PUS CELLS	1-2
RBC'S	NIL
OVA	NIL
CYST	NIL
BACTERIA	NIL
OTHERS	NIL

****** End Of Report ******

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