



P. H. DIAGNOSTIC CENTRE

Lotus Court, Opp. Adinath Society, Pune Satara Road, Pune - 411009

Ph : 2422 8899 - 2422 7799 - 3022 1199

PATIENT'S NAME	: MR. VASWANI KUMAR \ 70 YEARS \ M	REG. DATE	: 13/06/2016 12:00am
REFERRED BY DR	: PUNMIA K.K.	SAMPLE DATE	: 13/06/2016 12:00am
PATIENT ID	: 906002925	AUTH DATE.	: 13/06/2016 04:24pm
CENTRE NAME	: PHDC DHOLE PATIL ROAD	REPORT DATE.	6/14/2016 11:26 pm

COMPLETE BLOOD COUNT

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
Haemoglobin Levels	L 7.8 *	g/dl	13.0 - 18.0
R.B.C Count	L 2.33 *	10 ⁶ / uL	4.00 - 6.00
PCV	L 24.2 *	%	40 - 54
MCV	H 103.86 *	fL	80.0 - 99.0
MCH	H 33.48 *	pg	27.0 - 33.0
MCHC	32.23	g/dl	32.0 - 37.0
RDW	H 24.2 *	%	11.0 - 14.5
PLATELET COUNT	150	x 10 ³ / uL	150 - 450
W.B.C Count	L 3700 *	per cu-mm	4000 - 11000
<u>DIFFERENTIAL COUNT</u>			
Neutrophils	L 16 *	%	40.0 - 75.0
Lymphocytes	H 80 *	%	20.0 - 45.0
Eosinophils	02	%	1.0 - 6.0
Monocytes	02	%	0.0 - 10.0
Basophils	00	%	0.0 - 1.0
RBC Morphology	Anisocytosis, Macrocytosis		
W.B.C Morphology	Leukopenia, Lymphocytosis		
Remark	S/O Severe Macrocytic Anemia		

Instrument Used: BECKMAN COULTER - LH - 750 Analyser

***End of Report**

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BIOCHEMICAL TEST

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
S. Uric Acid	3.6	mg/dl	2.6 - 7.2
Instrument Used : Cobas INTEGRA 400 plus Biochemistry Analyzer.			
<u>S. Bilirubin</u>			
S. Bilirubin (Total)	H 1.30 *	mg/dl	upto 1.1
S. Bilirubin (Direct)	H 0.84 *	mg/dl	upto 0.25
S. Bilirubin (Indirect)	0.46	mg/dl	0 - 0
S.G.O.T	23.0	U/L	Upto 46
S.G.P.T	27.0	U/L	Upto 49
S. Alkaline Phosphatase	65.0	U/L	40 - 129, Children -Male < 390, Female <187
Blood Urea	15.0	mg/dl	10 - 45
Blood Urea Nitrogen	7.01	mg/dl	4.5 - 21

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LIPID PROFILE

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
<u>BIO-CHEMICAL TEST</u>			
Cholesterol	104.0	mg/dl	< 200 (Desirable)
S. Triglycerides	H 168.0 *	mg/dl	< 150
HDL Cholesterol	L 22.0 *	mg/dl	30 - 70
VLDL Cholesterol	33.60	mg/dl	Upto 35
LDL Cholesterol (Direct)	48.40	mg/dl	< 100 (Optimal)
TC/HDL Ratio	4.73		Upto 5.0
LDLC/HDL Ratio	2.20		2.5 - 3.5

Instrument Used : Cobas INTEGRA 400 plus Biochemistry Analyzer.

INTERPRETATION : As per NCEP 2001 ATP III guidelines May 2001

Total Cholesterol

200 - 239 : Borderline high
> 240 : High

Triglyceride

150 - 199 : Borderline high
200 - 499 : High
> 500 : Very high

LDL Cholesterol

100 - 129 : Near / Above optimal
130 - 159 : Borderline high
160 - 189 : High
>190 : Very High

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ELECTROLYTES

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
<u>S. Electrolytes</u>			
S. Sodium	L 134 *	mEq/L	135 - 148
S. Potassium	H 5.7 *	mEq/l	3.5 - 5.3
S. Chlorides	100	mEq/L	98 - 110

Method : ISE Direct

Instrument Used : Roche 9180 Electrolyte analyzer.

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INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
Serum Creatinine	0.8	mg/dl	0.7 - 1.4

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PATIENT ID	:	906002925	AUTH DATE.	:	13/06/2016 03:53pm
CENTRE NAME	:	PHDC DHOLE PATIL ROAD	REPORT DATE.	:	6/14/2016 11:26 pm

IRON-TIBC

INVESTIGATION		OBSERVED VALUE	UNIT	REFERENCE RANGE
SERUM IRON	H	178.8 *	ug/dl	35 - 145
TIBC	L	217.4 *	ug/dl	250 - 400
PERCENTAGE SATURATION	H	82.3 *	%	14 - 51

Method : Ferrozine/TIBC measurement Method.

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HbA1C

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
HbA1c	H 7.0 *	%	4 - 6 : Non-diabetic 6 - 7 : Excellent Control 7 - 8 : Fair To Good Control 8 - 10 : Unsatisfactory Control Above 10 : Poor Control
Mean Glucose Level	171.9	mg/dl	
Method	HPLC		
Instrument Used	BIO-RAD D-10		

1. HbA1c is used for monitoring diabetic control. It reflects mean plasma glucose over three months.
2. HbA1c is falsely low in diabetic with hemolytic disease. In these individuals a plasma fructosamine level may be used which evaluates diabetes over 15 days.
3. Trends in HbA1c are a better indicator of diabetic control than a solitary test.
4. HbA1c should not be used to diagnose diabetes mellitus.
5. HbA1c value is used to estimate the mean plasma Glucose(MPG) level over the last 90 days.
6. The approximate relation between HbA1c and mean blood glucose according to DCCT/NGSP is $\text{Mean plasma glucose (mg/dl)} = 35.6 \times \text{HbA1c(\%)} - 77.3$

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BLOOD GLUCOSE FASTING

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
Blood Glucose Fasting	H 118.0 *	mg/dl	70 -110
Method : Enzymatic - Hexokinase (HK)			
Instrument used :Cobas INTEGRA 400 plus Biochemistry Analyser.			
***End of Report**			

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VITAMIN B12

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
VITAMIN B12	H >2000 *	pg/ml	211 - 946

METHOD:Electrochemiluminescence immunoassay("ECLIA").

Instrument used:Fully Automated Cobas e411 Immunoassay Analyzer.

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CENTRE NAME	: PHDC DHOLE PATIL ROAD	REPORT DATE.	6/14/2016 11:26 pm

FERRITIN

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
SERUM FERRITIN	H >2000 *	ng/ml	30 - 400

METHOD:Electrochemiluminescence immunoassay("ECLIA").

Instrument used:Fully Automated Cobas e411 Immunoassay Analyzer.

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VITAMIN D TOTAL (25 HYDROXY)

INVESTIGATION	OBSERVED VALUE	UNIT	REFERENCE RANGE
VITAMIN D TOTAL (25-Hydroxy Vit.D)	L 28.29 *	ng/ml	Deficiency : Below 20 ng/ml Insufficiency : 21 - 29 ng/ml Sufficiency : 30 - 70 ng/ml Toxicity : Above 70 ng/ml

METHOD:Electrochemiluminescence immunoassay("ECLIA").

Instrument used:Fully Automated Cobas e411 Immunoassay Analyzer.

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URINE REPORT

INVESTIGATION

OBSERVED VALUE

PHYSICAL EXAMINATION

Quantity	30 ml.
Colour	Yellow
Appearance	Clear
Reaction	Alkaline
Specific Gravity	1.015
Deposit	Absent

CHEMICAL EXAMINATION

Proteins	Absent
Glucose	Absent
Ketone Bodies	Absent
Occult Blood	Absent
Bile Salts	Absent
Bile Pigments	Absent

MICROSCOPIC EXAMINATION :-

Pus Cells	3 - 5/hpf
Red Blood Cells	Absent
Epithelial Cells	3 - 5 /hpf
Casts	Absent
Crystals	Absent
Yeast Cells	Absent
Bacteria	Absent
Mucus Threads	Absent
Trichomonas Vaginalis	Absent
Spermatozoa	Absent
nitrite	Negative

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