



ESTD. 1964

# BHAILAL AMIN GENERAL HOSPITAL



ECU Number : 7862                      MR Number : 23221629                      Patient Name : DINESH KUMAR  
Age : 39                                      Sex : Male                                      Height : 162  
Weight : 63                                      Ideal Weight : 61                                      BMI : 24.01  
Date : 25/12/2023

Past H/O : NO P/H/O ANY MAJOR ILLNESS.

Present H/O : NO MEDICAL COMPLAINTS AT PRESENT.

Family H/O : FATHER : DIABETES.

Habits : NO

Gen.Exam. : G.C. GOOD

B.P : 130/70 mm Hg

Pulse : 68/MIN REG.

Others : SPO2 97 %

C.V.S : NAD

R.S. : NAD

Abdomen : NP

Spleen : NP

Skin : NAD

C.N.S : NAD

Advice :





Patient Name : Mr. DINESH KUMAR  
Gender / Age : Male / 39 Years 11 Days  
MR No / Bill No. : 23221629 / 242061059  
Consultant : Dr. BAGH Doctor  
Location : OPD

Type : OPD  
Request No. : 183991  
Request Date : 23/12/2023 09:09 AM  
Collection Date : 23/12/2023 10:30 AM  
Approval Date : 23/12/2023 02:30 PM

## CBC + ESR

Test	Result	Units	Biological Ref. Range
<b>Haemoglobin.</b>			
Haemoglobin	14.8	gm/dL	13 - 17
Red Blood Cell Count (T-RBC)	5.23	mill/cmm	4.5 - 5.5
Hematocrit (HCT)	44.9	%	40 - 50
Mean Corpuscular Volume (MCV)	85.9	fl	83 - 101
Mean Corpuscular Haemoglobin (MCH)	28.3	pg	27 - 32
MCH Concentration (MCHC)	33.0	%	31.5 - 34.5
Red Cell Distribution Width (RDW-CV)	13.0	%	11.6 - 14
Red Cell Distribution Width (RDW-SD)	39.7	fl	39 - 46
<b>Total Leucocyte Count (TLC)</b>			
Total Leucocyte Count (TLC)	5.47	thou/cmm	4 - 10
<b>Differential Leucocyte Count</b>			
Polymorphs	53	%	40 - 80
Lymphocytes	37	%	20 - 40
Eosinophils	04	%	1 - 6
Monocytes	06	%	2 - 10
Basophils	00	%	0 - 2
Polymorphs (Abs. Value)	2.87	thou/cmm	2 - 7
Lymphocytes (Abs. Value)	2.04	thou/cmm	1 - 3
Eosinophils (Abs. Value)	<b>0.17</b>	thou/cmm	0.2 - 0.5
Monocytes (Abs. Value)	0.28	thou/cmm	0.2 - 1
Basophils (Abs. Value)	<b>0.11</b>	thou/cmm	0.02 - 0.1
Immature Granulocytes	2.2	%	1 - 3 : Borderline > 3 : Significant
<b>Platelet Count</b>			
Platelet Count	197	thou/cmm	150 - 410
Remarks	This is counter generated CBC Report, smear review is not done		

ESR 8 mm/1 hr 0 - 10

Comments

- fatty liver - fibrosean.  
- Life style modification.



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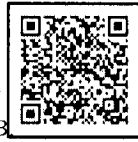
**CBC + ESR**

Immature Granulocyte (IG) count is a useful early marker of infection or inflammation, even when other markers are normal. It is an early and rapid discrimination of bacterial from viral infections. It is also increased in patients on steroid therapy / chemotherapy or haematological malignancy. High IG is always pathological; except in pregnancy and neonates of < 7 days.  
Method : HB by Non-Cyanide Hemoglobin analysis method. HCT by RBC pulse height detection method. RBC, TLC & PLC are by Particle Count by Electrical Impedance in Cell Counter by Fluorescent flow cytometry using a semi-conductor laser and hydrodynamic focusing in dedicated channels. Optical Platelets by Fluorescent + Laser Technology. MCV, MCH, MCHC, RDW (CV & SD) are calculated parameter. DLC by Flowcytometry method using semi-conductor Laser+Smear verification.

R on ESL-30, comparable to Westergrens method and in accordance to ICSH reference method.

---- End of Report ----

Dr. Ameer Soni  
MD (Path)



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 Approval Date : 23/12/2023 03:03 PM

**Haematology**

Test	Result	Units	Biological Ref. Range
<b>Blood Group</b>			
ABO system	B		
Rh system.	Positive		

By Gel Technology / Tube Agglutination Method

Note :

- This blood group has been done with new sensitive Gel Technology using both Forward and Reverse Grouping Card with Autocontro
- This method check's group both on Red blood cells and in Serum for "ABO" group.

---- End of Report ----

Dr. Ameer Soni  
MD (Path)



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## DEPARTMENT OF LABORATORY MEDICINE

Patient Name : Mr. DINESH KUMAR  
Gender / Age : Male / 39 Years 11 Days  
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## Fasting Plasma Glucose

Test	Result	Units	Biological Ref. Range
<b>Fasting Plasma Glucose</b>			
Fasting Plasma Glucose	102	mg/dL	70 - 110
Post Prandial 2 Hr. Plasma Glucose	132	mg/dL	70 - 140

By Hexokinase method on EXL Dade Dimension

---- End of Report ----

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**HbA1c (Glycosylated Hb)**

Test	Result	Units	Biological Ref. Range
<b>HbA1c (Glycosylated Hb)</b>			
Glycosylated Hemoglobin (HbA1c)	5.4	%	
estimated Average Glucose (e AG) *	108.28	mg/dL	

(Method:

By Automated HPLC analyser on D-10 Biorad. NGSP Certified, US-FDA approved. Traceable to IFCC reference method.

\* Calculated valued for past 60 days. derived from HbA1c %, based on formula recommended by the A1c - Derived Average Glucose study from ADA and EASD funded The ADAG trial.

Guidelines for Interpretation:

Indicated Glycemic control of previous 2-3 months

HbA1c%	e AG (mg/dl)	Glycemic control
> 8	> 183	Action suggested...High risk of developing long-term complications. Action suggested, depends on individual patient circumstances
7 - 8	154 - 183	Good
< 7	< 154	Goal...Some danger of hypoglycemic reaction in type I Diabetics. Some Glucose intolerant individuals and Sub-Clinical diabetics may demonstrate (elevated) HbA1c in this area.
6 - 7	126 - 154	Near Normal
< 6	< 126	Nondiabetic level)

---- End of Report ----

Dr. Rakesh Vaidya  
MD (Path). DCP.

Test Results are dependent on a number of variables & technical limitations. Hence, it is advised to correlate with clinical findings and other related investigations before any firm opinion is made. Retest / retest may be requested.



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## Complete Lipid Profile

Test	Result	Units	Biological Ref. Range
<b>Complete Lipid Profile</b>			
Appearance	Clear		
Triglycerides	123	mg/dL	1 - 150
<i>(Done by Lipase /Glycerol kinase on Vitros 5600</i>			
<i>&lt; 150 Normal</i>			
<i>150-199 Borderline High</i>			
<i>200-499 High</i>			
<i>&gt; 499 Very High)</i>			
Total Cholesterol	200	mg/dL	1 - 200
<i>(Done by Colorimetric - Cholesterol Oxidase, esterase, peroxidase on Vitros 5600.</i>			
<i>&lt;200 mg/dL - Desirable</i>			
<i>200-239 mg/dL - Borderline High</i>			
<i>&gt; 239 mg/dL - High)</i>			
HDL Cholesterol	44	mg/dL	40 - 60
<i>(Done by Colorimetric: non HDL precipitation method PTA/MgCl2 on Vitros 5600</i>			
<i>&lt; 40 Low</i>			
<i>&gt; 60 High)</i>			
Non HDL Cholesterol (calculated)	156	mg/dL	1 - 130
<i>(Non- HDL Cholesterol</i>			
<i>&lt; 130 Desirable</i>			
<i>139-159 Borderline High</i>			
<i>160-189 High</i>			
<i>&gt; 191 Very High)</i>			
LDL Cholesterol	143	mg/dL	1 - 100
<i>(Done by Enzymatic (Two Step CHE/CHO/POD ) on Vitros 5600</i>			
<i>&lt; 100 Optimal</i>			
<i>100-129 Near / above optimal</i>			
<i>130-159 Borderline High</i>			
<i>160-189 High</i>			
<i>&gt; 189 Very High)</i>			
VLDL Cholesterol (calculated)	24.6	mg/dL	12 - 30
LDL Ch. / HDL Ch. Ratio	3.25		2.1 - 3.5
T. Ch./HDL Ch. Ratio	4.55		3.5 - 5
<i>(Recent NECP / ATP III Guidelines / Classification (mg/dl) :)</i>			

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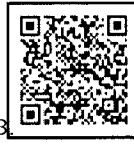
**Liver Function Test (LFT)**

Test	Result	Units	Biological Ref. Range
<b>Bilirubin</b>			
Bilirubin - Total	1.12	mg/dL	0 - 1
Bilirubin - Direct	0.20	mg/dL	0 - 0.3
Bilirubin - Indirect	0.92	mg/dL	0 - 0.7
<i>(Done by Dual Wavelength - Reflectance Spectrophotometry on Vitros 5600)</i>			
Aspartate Aminotransferase (SGOT/AST)	31	U/L	15 - 40
<i>(Done by Multipoint Rate Colorimetric with P-5-P on Vitros 5600)</i>			
Alanine Aminotransferase (SGPT/ALT)	72	U/L	16 - 63
<i>(Done by Multipoint-Rate/Colorimetric with P-5-P (pyridoxa-5-phosphate) on Vitros 5600)</i>			
Alkaline Phosphatase	100	U/L	53 - 128
<i>(Done by Multipoint-Rate - p-nitrophenyl Phosphate, AMP buffer on Vitros 5600)</i>			
Gamma Glutamyl Transferase (GGT)	29	U/L	15 - 85
<i>(Done by Multipoint Rate - L-γ<sup>3</sup>-glutamyl-p-nitroanilide on Vitros 5600)</i>			
<b>Total Protein</b>			
Total Proteins	8.04	gm/dL	6.4 - 8.2
Albumin	4.37	gm/dL	3.4 - 5
Globulin	3.67	gm/dL	3 - 3.2
A : G Ratio	1.19		1.1 - 1.6
<i>(Done by Biuret endpoint and Bromocresol green method on vitros 5600.)</i>			

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**Renal Function Test (RFT)**

Test	Result	Units	Biological Ref. Range
Urea <i>(Done by Endpoint/Colorimetric - Urease on Vitros 5600)</i>	16	mg/dL	10 - 45
BUN	7.48	mg/dL	5 - 21
Creatinine <i>(By Modified Kinetic Jaffe Technique)</i>	<b>0.89</b>	mg/dL	0.9 - 1.3
Estimate Glomerular Filtration rate <i>(Ref. range : &gt; 60 ml/min for adults between age group of 18 to 70 yrs. EGFR Calculated by IDMS Traceable MDRD Study equation. Reporting of eGFR can help facilitate early detection of CKD. By Modified Kinetic Jaffe Technique)</i>	More than 60		
Uric acid <i>(Done by Colorimetric - Uricase, Peroxidase on Vitros 5600)</i>	5.8	mg/dL	3.4 - 7.2

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## Thyroid Hormone Study

Test	Result	Units	Biological Ref. Range
Triiodothyronine (T3) (Done by CLIA based method on automated immunoassay Vitros 5600. Reference interval (ng/ml) 1 - 3 days : 0.1 - 7.4 1-11 months : 0.1 - 2.45 1-5 years : 0.1 - 2.7 6-10 years : 0.9 - 2.4 11-15 years : 0.8 - 2.1 16-20 years : 0.8 - 2.1 Adults (20 - 50 years) : 0.7 - 2.0 Adults (> 50 years) : 0.4 - 1.8 Pregnancy (in last 5 months) : 1.2 - 2.5 (Reference : Tietz - Clinical guide to laboratory test, 4th edition ))	1.08	ng/ml	
Thyroxine (T4) (Done by CLIA based method on automated immunoassay Vitros 5600. Reference interval (mcg/dL) 1 - 3 days : 11.8 - 22.6 1 - 2 weeks : 9.8 - 16.6 1 - 4 months : 7.2 - 14.4 4 - 12 months : 7.8 - 16.5 1-5 years : 7.3 - 15.0 5 - 10 years : 6.4 - 13.3 10 - 20 years : 5.6 - 11.7 Adults / male : 4.6 - 10.5 Adults / female : 5.5 - 11.0 Adults (> 60 years) : 5.0 - 10.7 (Reference : Tietz - Clinical guide to laboratory test, 4th edition ))	8.37	mcg/dL	
Thyroid Stimulating Hormone (US-TSH) (Done by CLIA based method on automated immunoassay Vitros 5600. Reference interval (microIU/ml) Infants (1-4 days) : 1.0 - 39 2-20 weeks : 1.7 - 9.1 5 months - 20 years : 0.7 - 6.4 Adults (21 - 54 years) : 0.4 - 4.2 Adults (> 55 years) : 0.5 - 8.9 Pregnancy : 1st trimester : 0.3 - 4.5 2nd trimester : 0.5 - 4.6 3rd trimester : 0.8 - 5.2 (Reference : Tietz - Clinical guide to laboratory test, 4th edition ))	3.17	microIU/ml	

--- End of Report ---

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**Urine routine analysis (Auto)**

Test	Result	Units	Biological Ref. Range
<b>Physical Examination</b>			
Quantity	30	mL	
Colour	Pale Yellow		
Appearance	Clear		
<b>Chemical Examination (By Reagent strip method)</b>			
pH	6.0		
Specific Gravity	1.005		
Protein	Negative	gm/dL	0 - 5
Glucose	Negative	mg/dL	0 - 5
Ketones	Negative		0 - 5
Bilirubin	Negative		Negative
Urobilinogen	Negative		Negative (upto 1)
Blood	Negative		Negative
Leucocytes	Negative		Negative
Nitrite	Negative		Negative
<b>Microscopic Examination (by Microscopy after Centrifugation at 2000 rpm for 10 min or on fully automated Sysmex urine sedimentation analyzer UF4000)</b>			
Red Blood Cells	0 - 1	/hpf	0 - 2
Leucocytes	0 - 1	/hpf	0 - 5
Epithelial Cells	0 - 1	/hpf	0 - 5
Casts	Nil	/lpf	Nil
Crystals	Nil	/hpf	Nil
Mucus	Absent	/hpf	Absent
Organism	Absent		

---- End of Report ----

Dr. Amee Soni  
MD (Path)



**BHAILAL AMIN  
GENERAL HOSPITAL**

ESTD. 1964



Patient No. : 23221629      Report Date : 23/12/2023  
Request No. : 190093905      23/12/2023 9.09 AM  
Patient Name : Mr. DINESH KUMAR  
Gender / Age : Male / 39 Years 11 Days

**X-Ray Chest AP**

Both lung fields are clear.

Both costophrenic sinuses appear clear.

Heart size is normal.

Hilar shadows show no obvious abnormality.

Aorta is normal.

**Dr. Priyanka Patel, MD.**

Consultant Radiologist



Patient No. : 23221629      Report Date : 23/12/2023

Request No. : 190093890      23/12/2023 9.09 AM

Patient Name : **Mr. DINESH KUMAR**

Gender / Age : Male / 39 Years 11 Days

**USG : Screening for Abdomen (excluding Pelvis) Or Upper Abdomen**

**Liver is normal in size and increased in echopattern.** No mass lesion identified. The hepatic veins are clear and patent. PV patent. No dilated IHBR.

Gall bladder is well distended and shows no obvious abnormality. Common bile duct is not dilated.

Pancreas shows no obvious abnormality. Tail obscured.  
Spleen is normal size and echopattern.

Both kidneys are normal in shape and position. Normal echogenicity and cortico medullary differentiation is noted. No hydronephrosis or mass lesion seen.

No ascites.

**COMMENT:**

- **Fatty liver.**

*Kindly correlate clinically*



**Dr. Priyanka Patel, MD.**

Consultant Radiologist



Age: 039Y  
Gender: Male  
Ref. phys.:  
Face maker: Unknown

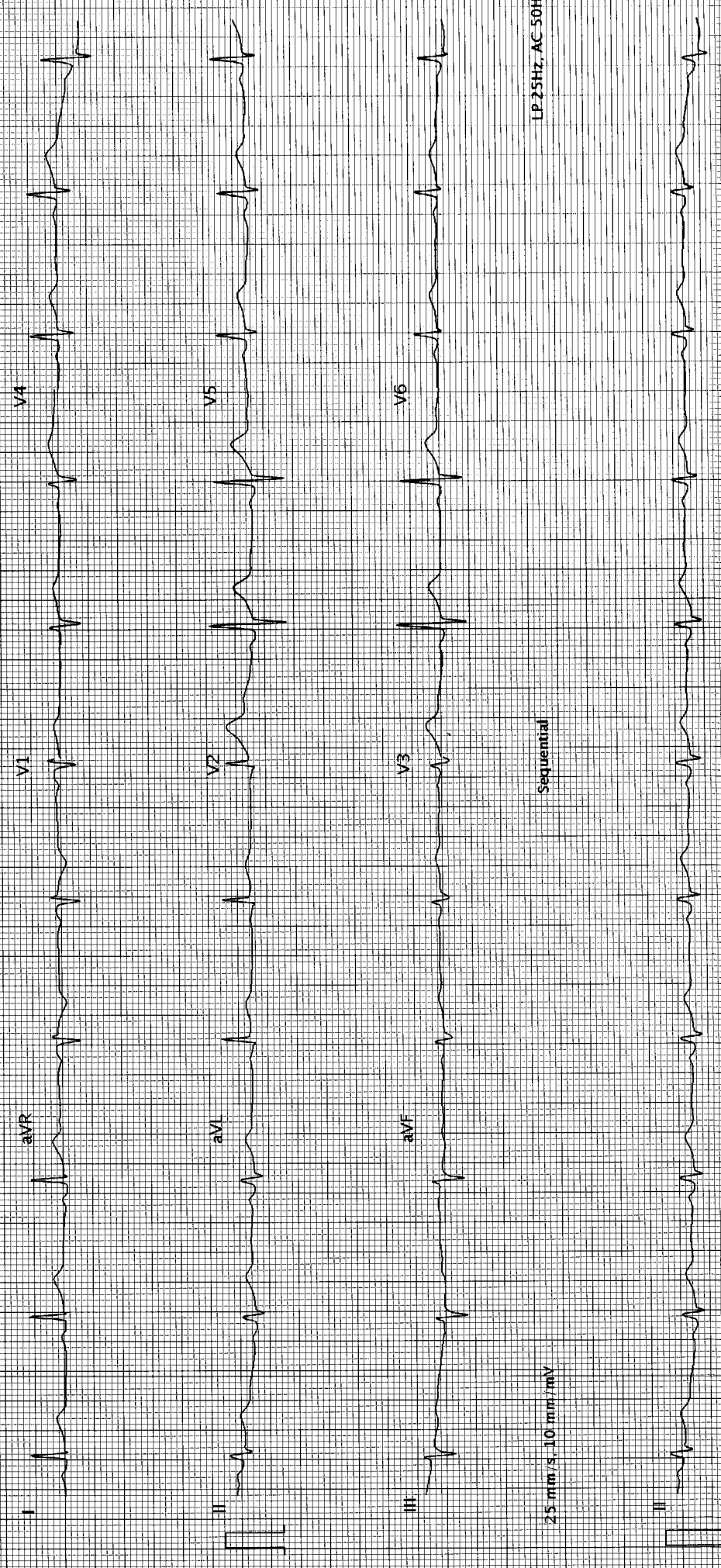
HR: 63 bpm  
RR: 949 ms  
P: 87 ms  
PR: 147 ms  
QRS: 77 ms  
QT: 374 ms  
QTcB: 384 ms

P axis: 22°  
QRS axis: 0°  
T axis: 1°

Unconfirmed report

*Handwritten signature*

Remark:



LP 25Hz, AC 50Hz

Sequential

25 mm/s, 10 mm/mV

25 mm/s, 10 mm/mV

LP 25Hz, AC 50Hz