



URMILA HEART & MULTI SPECIALITY HOSPITAL

Address

Naya Tola, Opp. Polytechnic
Muzaffarpur
Ph.: 0621-2222211
0621-2268042
Mob.: 9661179794
9471013402

PATHOLOGY REPORT

| | | |
|------------------------------|-----------------|-----------------------|
| Name:- Mr. Vinay Kumar | Age :31Y/M | Date :-13/04/2024 |
| Ref.By :- Dr. Bank Of Baroda | (E.C.No.104521) | Serial Number :- 0132 |

CBC (Complete Blood Count)

| <u>TEST</u> | <u>RESULT</u> | <u>UNIT</u> | <u>Reference Values</u> |
|-------------------------------------|---------------|------------------------|-------------------------|
| Hb (Haemoglobin) | 13.2 | gm/dl | 12 - 17 |
| Total Leukocyte Count | 5,700 | /Cumm. | 4000 - 11000 |
| RBC Count | 5.12 | Million/Cumm. | 3.8 -5.8 |
| PCV / Haematocrit | 44.3 | % | 30 - 50 |
| Platelet Count | 1.50 | Lakhs/c.mm | 1.5 - 4.5 |
| MCV | 86.7 | fl | 80 - 100 |
| MCH | 26.8 | pg | 26 - 34 |
| MCHC | 32.0 | gm/dl | 31.5 - 35 |
| Differential Leukocyte Count | | | |
| Neutrophil | 65 | % | 40 - 70 |
| Lymphocyte | 25 | % | 20 - 40 |
| Monocyte | 02 | % | 02 - 10 |
| Eosinophi | 08 | % | 01 -06 |
| Basophil | 00 | % | <1 - 2 % |
| ESR | 18 | mm/1 st hr. | 00 - 20 |

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KFT (KIDNEY Function Test) – serum

| <u>TEST</u> | <u>RESULT</u> | <u>UNIT</u> | <u>Reference Values</u> |
|-------------------------------|---------------|-------------|------------------------------------|
| S. Urea | 28.0 | mg/dl | 13 - 45 |
| S. Creatinine | 1.05 | mg/dl | Male 0.7 - 1.4 Female 0.6 - 1.2 |
| S. BUN | 13.07 | mg/dl | 6.0 - 21 |
| S. Sodium (Na ⁺) | 138.4 | mmol/ltr | 135 - 150 |
| S. Potassium(K ⁺) | 3.90 | mmol/ltr | 3.5 - 5.5 |
| S. Chloride(Cl ⁻) | 105.3 | mmol/ltr | 94 - 110 |
| S. Calcium | 9.33 | mg/dl | 8.7 - 11.0 |
| S. Uric Acid | 4.89 | mg/dl | Male 3.5 - 7.2 Female 2.5 - 6.2 |

BLOOD GROUPING

| | | |
|----------------|---|-----------|
| Grouping (ABO) | : | "B" Group |
| Rh Typing | : | Positive. |

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LFT (Liver Function Test) – serum

| <u>TEST</u> | <u>RESULT</u> | <u>UNIT</u> | <u>Reference Values</u> |
|-------------------------|---------------|-------------|--|
| S. Total Bilirubin | 0.79 | mg/dl | Adults: 0.1 - 1.2 Infants: 1.2 - 12 |
| S. SGPT (ALT) | 35.0 | U/L | 05 - 40 |
| S. SGOT (AST) | 28.0 | U/L | 05 - 40 |
| S.GGT | 38.0 | U/L | 05 - 45 |
| S. Alkaline Phosphatase | 98.3 | U/L | Adult – 25 - 140 Children (1 – 12 yrs.) – 104 - 390 |
| S. Total Protein | 7.18 | g/dl | 6.0 - 8.3 |
| S. Albumin | 4.05 | g/dl | 3.2 - 5.0 |
| S. Globulin | 3.13 | g/dl | 2.8 - 4.5 |
| S. A/G Ratio | 1.29 | | |

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Lipid Profile - serum

| <u>TEST</u> | <u>RESULT</u> | <u>UNIT</u> | <u>Reference Values</u> |
|--------------------------|---------------|-------------|---|
| S. Cholesterol | 170.0 | mg/dl | 130 - 200 |
| S. Triglycerides | 110.0 | mg/dl | Fasting: 25 - 160 |
| S. VLDL-Cholesterol | 22.0 | mg/dl | 10 - 40 |
| S. HDL-Cholesterol | 40.0 | mg/dl | Male: 30 - 65 Female: 35 - 80 |
| S. LDL-Cholesterol | 108.0 | mg/dl | 60 - 150 |
| Ratio of Cholesterol/HDL | 4.25 | | Low Risk: <3.0 Average Risk: 03 - 5.0 High Risk: >5.0 |
| LDL/HDL Ratio | 2.70 | | 1.5 - 3.5 |

BIOCHEMISTRY

| <u>TEST</u> | <u>RESULT</u> | <u>UNIT</u> | <u>Reference Values</u> |
|--|---------------|-------------|-------------------------|
| P. Glucose Fasting | 80.0 | mg/dl | 70 - 110 |
| P. Glucose-Post Prandial (after 1.30hrs meal) | 112.0 | mg/dl | 80 - 160 |

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GLYCOSYLATED HEMOGLOBIN

| <u>TEST</u> | <u>RESULT</u> | <u>UNIT</u> |
|-------------|---------------|-------------|
| HbA1c | - | 3.90 % |

Mean Blood Glucose level (MBG) – 88.71 mg/dl

Normal Reference Values

| | | |
|--------------|---|--------------|
| Normal | : | < 8.0 % |
| Good Control | : | 8.0 - 9.0 % |
| Fair Control | : | 9.0 - 10.0 % |
| Poor Control | : | > 10.0 % |

Summary :- Glycosylated hemoglobin (GHb) reflects the average blood glucose concentration over the preceding several weeks & a sudden fall from high to low glucose concentration will not produce a correspondingly rapid fall in glycosylated hemoglobin. Thus GHb reflects the metabolic control of glucose level over a period of time, unaffected by diet, insulin, other drugs or exercise on the day of testing. GHb is now widely recognized as an important test for the diagnosis of diabetes mellitus and is a good indicator of the efficacy of therapy.

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| TEST NAME | METHOD | VALUE | UNITS | NORMAL RANGE |
|-----------------------------------|---------|-------|--------|--------------|
| TOTAL TRIIODOTHYRONINE (T3) | C.L.I.A | 125.8 | ng/dL | (60 - 200) |
| TOTAL THYROXINE (T4) | C.L.I.A | 8.05 | µg/dL | (4.5 - 12.0) |
| THYROID STIMULATING HORMONE (TSH) | C.L.I.A | 3.59 | µIU/mL | (0.3 - 5.5) |

Technology :

T3 - Competitive Chemi Luminescent Immuno Assay

T4 - Competitive Chemi Luminescent Immuno Assay

TSH - Ultra Sensitive Sandwich Competitive Chemi Luminescent Immuno Assay

REMARK :

THYROID HORMONES -Serum TSH is primarily responsible for the synthesis and release of Thyroid hormones is an early and sensitive indicator of decrease in thyroid reserve is the diagnostic of primary hypothyroidism.The expected increase in TSH demonstrate the classical feedback mechanism between pituitary and thyroid gland.Additionally TSH measurement is equally important in differentiating secondary and tertiary(hypothalamic) hypothyroidism.The increase in total T4 and T3 is associated with pregnancy,oral contraceptive and estrogen therapy results into masking of abnormal thyroid function only because of alteration of TBG concentration,which can be monitored by calculating Free Thyroxine Index(FTI) or Thyroid Hormone Binding Ratio(THBR).a

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Urine Routine And Microscopy

| <u>TEST</u> | <u>RESULTS</u> |
|--------------------------------|--------------------|
| Physical Examination | |
| Volume | 20 ml |
| Colour | Straw |
| Specific Gravity | 1.005 |
| Appearance | Clear |
| pH | 6.0 |
| (Acidic) | |
| Chemical Examination | |
| Protein | Nil |
| Sugar | Nil |
| Bile Salts | N/D |
| Bile Pigments | N/D |
| Microscopic Examination | |
| Pus Cells | 1-2 /hpf |
| Red Blood Cells | Nil /hpf |
| Epithelial Cells | Present (+) |
| Crystal/Cast | Nil |
| Other | Nil |
| ***end of report*** | |


Signature

ECHOCARDIOGRAPHY REPORT

Name :Mr. Vinay Kumar Age/Sex : 31/M
Date :13/04/2024 ECHO No. :
IPID No. : UHID No. :
Ref. By :Self Done By : Dr.Anil Kr.Singh

MITRAL VALVE

Morphology **AML-Normal/Thickening/Calcification/Flutter/Vegetation/Prolapse/SAM/Doming**
PML-Normal/Thickening/Calcification/Prolapse/Paradoxical motion/Fixed.

Subvalvular deformity Present/Absent. Score: _____
Doppler Normal/Abnormal E>A A>E
Mitral Stenosis Present/Absent RRInterval ____msec
EDG ____mmHg MDG mmHg MVAcm2
Mitral Regurgitation Absent/Trivial/Mild/Moderate/Severe.

TRICUSPID VALVE

Morphology **Normal/Atresia/Thickening/Calcification/Prolapse/Vegetation/Doming.**

Doppler Normal/Abnormal
Tricuspid stenosis Present/Absent RR interval ____msec.
EDG ____mmHg MDG ____mmHg
Tricuspid regurgitation: Absent/Trivial/Mild/Moderate/Severe Fragmented signals
Velocity msec. Pred. RVSP=RAP+ mmHg

PULMONARY VALVE

Morphology **Normal/Atresia/Thickening/Doming/Vegetation.**

Doppler Normal/Abnormal.
Pulmonary stenosis Present/Absent Level
PSG ____mmHg Pulmonary annulus ____mm
Pulmonary regurgitation Present/Absent
Early diastolic gradient ____mmHg. End diastolic gradient ____mmHg

AORTIC VALVE

Morphology **Normal/Thickening/Calcification/Restricted opening/Flutter/Vegetation**

No. of cusps 1/2/3/4
Doppler Normal/Abnormal
Aortic Stenosis Present/Absent Level
PSG mmHg Aortic annulus ____mm
Aortic regurgitation Absent/Trivial/Mild/Moderate/Severe.

| <u>Measurements</u> | <u>Normal Values</u> | <u>Measurements</u> | <u>Normal values</u> |
|---------------------|----------------------|---------------------|-------------------------|
| Aorta 2.7 | (2.0 – 3.7cm) | LAes 2.7 | (1.9 – 4.0cm) |
| LV es 3.3 | (2.2 – 4.0cm) | LV ed 4.7 | (3.7 – 5.6cm) |
| IVS ed 0.9 | (0.6 – 1.1cm) | PW (LV)1.0 | (0.6 – 1.1cm) |
| RVed | (0.7 – 2.6cm) | RV Anterior wall | (upto 5 mm) |
| LVVd (ml) | | LVVd (ml) | Normal/Flat/Paradoxical |
| EF 60% | (54%-76%) | IVS motion | |

CHAMBERS:

LV Normal/Enlarged/Clear/Thrombus/Hypertrophy
Contraction Normal/Reduced

Regional wall motion abnormality Absent/Present

LA Normal/Enlarged/Clear/Thrombus

RA Normal/Enlarged/Clear/Thrombus

RV Normal/Enlarged/Clear/Thrombus

PERICARDIUM Normal/Thickening/Calcification/Effusion

COMMENTS & SUMMARY

All chambers are Normal in size
 gd I LV Diastolic Dysfunction
 Normal LV Systolic Function
 No RWMA/LVEF=60%
 No MR /AR / PR /TR
 Normal Pericardium

Dr. Anil Kr. Singh
 Cardiologist



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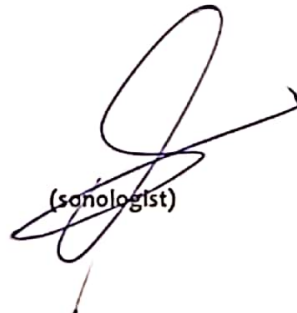
Name :-Vinay Kumar
Refd.By:- Dr./Self.

Date :- 13/04/2024
Sex:- M

Thanks for the kind referral.
USG of Whole Abdomen

- Liver: -** Liver is enlarged in size [150.0mm] with homogenous coarse echo texture. No focal lesion seen or Intrahepatic ducts dilation seen. Movements of both domes of diaphragm appears normal
- GB:-** Normal distention. Walls are not thickened . No evidence of calculus,sludge,or mass lesion seen.
- C.B.D:-** C.B.D. is normal in calibre.
- Pancreas:-** Pancreas normal in size shape and echotexture.
- Spleen:-** Normal in shape, size & contour . (bipolar length is 109.3 mm).
- Kidneys:-** Both kidneys are normal in shape, size, contour, cortical echo texture, and sinus echoes. No evidence of calculus, calcification,hydronephrotic changes or mass lesion seen.
- UB:-** Urinary bladder is smoothly outlined. There is no calculus within.
- Prostate :-** The prostate is normal in shape and size .
- Free fluid:-** No free fluid is noted in the peritoneal cavity.

Impression :- Hepatomegaly.

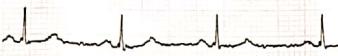
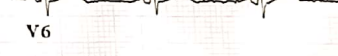
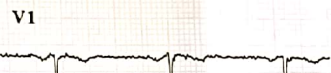
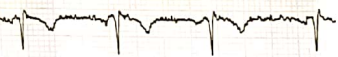

(sonologist)



10mm/mV 0.5-75Hz ACS0

08-06-2005 07:27:49

BPL



25mm/s

V2.47

ID : 050608-0793
Name :
Age : 31 yr
Sex : Male
BP : mmHg
Height : cm
Weight : kg

Minnesota Code:
6-5-0

Wiley, Fumar

HR : 75 bpm
P Dur : 93 ms
PR int : 117 ms
QRS Dur : 79 ms
QT/QTc int : 333/374 ms
P/QRS/T axis : 62/64/31 °
RV5/SV1 amp : 1.327/0.667 mV
RV5+SV1 amp : 1.994 mV
RV6/SV2 amp : 1.083/0.662 mV

Diagnosis Information:
800: Sinus Rhythm
401: Short PR Interval

Report Confirmed by:





VINAY KUMAR
Chest PA

31 Male
13-04-24 1:34:44 PM

64.2 %
DR. A. K. SINGH

URMILA HEART & MULTISPECIALITY HOSPITAL, NAYA TOLA MUZAFFARPUR