

Name Arvind Kumar Gupta.

Age - 59 yrs.

Height - 176 cm.

Weight - 95 kg

BMI - 30.7

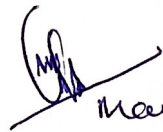
B.P. - 140/92.

Medication - Thyronam 125mg.

Any History - No History

Phone No - 9412507002
97566 23190

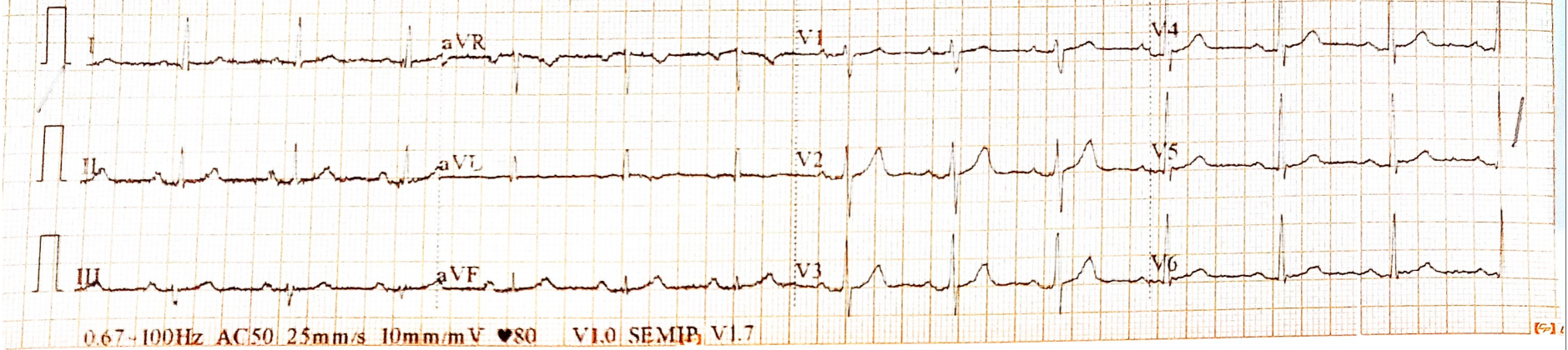
my Bank History,



Naresh B S

Abulhas Mueed.

ID: 46 12-02-2024 09:58:34 AM



Chb

ID: 46

Diagnosis Information:

Male
59 Years
cm

mmHg
kg

Sinus Rhythm
Normal ECG

HR : 77 bpm

P : 103 ms

PR : 174 ms

QRS : 77 ms

QT/QTc : 339/385 ms

P/QRS/T : 74/18/69 °

RV5/SV1 : 1.415/0.456 mV

Rep

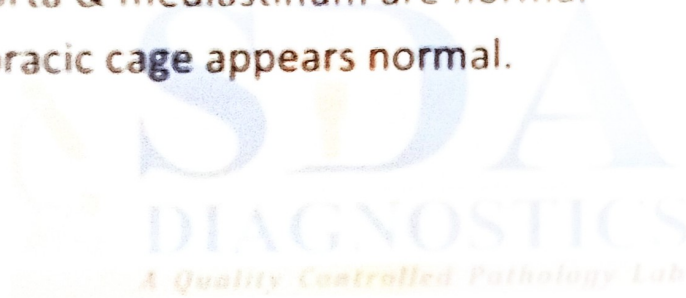
Dr. Sonal Dhingra
DR. SONAL DHINGRA
M.B.B.S., M.D.

PT. NAME	MR. ARVIND KUMAR GUPTA	AGE/SEX	59Y/M	FILM
REF. BY	DR. SELF	DATE:	12/02/2024	01

X-RAY CHEST PA VIEW

- Both CP angles are normal.
- Trachea is normal in position.
- Cardiac size is within normal limits.
- Both hila are normal.
- Heart, aorta & mediastinum are normal
- Bony thoracic cage appears normal.

NORMAL STUDY



DR. MOHIT SHARMA
(MBBS)(DMRD) Chief consultant
Interventional Radiologist

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Dr. Swati Tiwari
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Test Name	Results	Units	Biological Ref-Interval
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HAEMATOLOGY

COMPLETE BLOOD COUNT

HAEMOGLOBIN (Colorimetry)	17.60	g/dl	12-16.5
TOTAL LEUCOCYTE COUNT (Electric Impedence)	6700.00	/Cum m	4000-11000
DIFFERENTIAL LEUCOCYTE COUNT (Microscopy)			
Neutrophils	64.00	%	44-68
Lymphocytes	31.00	%	25- 44
Eosinophils	2.00	%	0.0- 4.0
Monocytes	3.00	%	0.0-7.0
Basophils	0.00	%	0.0-1.0
Immature Cells	00	%	
Absolute Count			
Neutrophils Count (calculated)	4288.00	/cumm	2000-7000
Lymphocytes Count (calculated)	2077.00	/cumm	1000-3000
Eosinophils Count (calculated)	134.00	/cumm	40-440
Monocytes Count (calculated)	201.00	/cumm	200-1000
Basophils Count (calculated)	0.00	/cumm	0-30
TOTAL R.B.C. COUNT (Electric Impedence)	5.48	10 ⁶ /uL	3.50-5.50
Haematocrit Value (P.C.V.) (Calculated)	52.80	%	37.0-54.0
MCV (Calculated)	96.00	fL	76-98
MCH	32.20	pg	27-32



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(Calculated)			
MCHC	33.40	g/dl	31-35
(Calculated)			
RDW-CV	14.20	%	11.5 - 14.5
(Calculated)			
Platelet Count	158	Thousand/cumm	150-450
(Electric Impedence)			
MPV	9.10	fL	11.5-14.5
(Calculated)			
PDW	16.50	fL	9.0-17.0
(Calculated)			
E.S.R	14.00	mm	00-20
(Wintrobe method)			
Peripheral Smear	..		

BLOOD GROUP

Blood Group : B
Rh Status : POSITIVE

GLYCATED HAEMOGLOBIN (HbA1c) : **8.90** % 4.5-6.0
ESTIMATED AVERAGE GLUCOSE : 208.73 mg/dl

EXPECTED RESULTS :

Non diabetic patients & Stabilized diabetics : 4.5 % to 6.0 %
Good Control of diabetes : 6.1 % to 7.0 %
Fair Control of diabetes : 7.1 % to 8.0 %
Poor Control of diabetes : 8 % and above

The glycosylated hemoglobin assay has been validated as a reliable indicator of mean blood glucose levels for a period of 8-12 week period prior to HBA1C determination. ADA recommends the testing twice a year in patients with stable blood glucose, and quarterly, if treatment changes, or if blood glucose levels are unstable.



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BIOCHEMISTRY			
BLOOD GLUCOSE FASTING (GOD/POD method)	128.00	mg/dl	70 - 110
BLOOD GLUCOSE P.P. (GOD/POD method) After 2.0 hrs of meal	256.00	mg/dl	70-140



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LIVER PROFILE			
SERUM BILIRUBIN			
TOTAL (Diazo)	0.46	mg/dl	0.30-1.20
DIRECT (Diazo)	0.19	mg/dl	0.00-0.20
INDIRECT (Calculated)	0.27	mg/dl	0.20-1.00
S.G.P.T. (IFCC method)	37.00	U/L	0-45
S.G.O.T. (IFCC method)	34.00	U/L	0-45
SERUM ALKALINE PHOSPHATASE (4-nitrophenylphosphate to 2-amino-2-methyl-1propan	95.00	IU/L.	35-145
SERUM PROTEINS			
TOTAL PROTEINS (Biuret)	6.30	Gm/dL.	6.0-8.0
ALBUMIN (Bromocresol green Dye)	3.90	Gm/dL.	3.5-5.2
GLOBULIN (Calculated)	2.40	Gm/dL.	2.5-3.5
A : G RATIO (Calculated)	1.63		1.5-2.5

LIVER FUNCTION TESTS CHECK THE LEVEL OF CERTAIN ENZYMES AND PROTEINS IN BLOOD

Levels that are higher or lower than normal can indicate liver problems. Some common liver function tests include :

Alanine transaminase (ALT). ALT is an enzyme found in the liver and When the liver is damaged, ALT is released into the bloodstream and levels increase.

Aspartate transaminase (AST). AST is an enzyme that helps metabolize alanine,an amino acid.

AST is normally present in blood at low levels. An increase in AST levels may indicate liver damage or disease or muscle damage.

Alkaline phosphatase (ALP). ALP is an enzyme in the liver, bile ducts and bone.



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Test Name	Results	Units	Biological Ref-Interval
RENAL PROFILE			
BLOOD UREA (Urease Glutamate dehydrogenase)	31.0	mg/dl	10-50
SERUM CREATININE (Jaffe`s)	0.90	mg/dL.	0.6-1.2
SERUM URIC ACID (Urease method)	6.6	mg/dL.	3.5-7.5
SERUM SODIUM (Na) (ISE Direct)	135.0	mmol/l	135 - 155
SERUM POTASSIUM (K) (ISE Direct)	4.30	mmol/l	3.5 - 5.5
SERUM CALCIUM (Arsenazo)	9.0	mg/dl	8.5-10.1
SERUM PROTEIN			
TOTAL PROTEINS (Biuret)	6.30	Gm/dL.	6.0-8.0
SERUM ALBUMIN (Bromocresol green Dye)	3.90	Gm/dL.	3.5-5.2
GLOBULIN (Calculated)	2.40	Gm/dL.	2.5-3.5
A : G RATIO (Calculated)	1.63	Gm/dL.	1.5-2.5

INTERPRETATION:

Urea is the end product of protein metabolism. It reflects on functioning of the kidney in the body. Creatinine is the end product of creatine metabolism. It is a measure of renal function and elevated levels are observed in patients typically with 50% or greater impairment of renal function. Sodium is critical in maintaining water & osmotic equilibrium in extracellular fluids. Disturbances in acid base and water balance are typically reflected in the sodium concentrations. Potassium is an essential element involved in critical cell functions. Potassium levels are influenced by electrolyte intake, excretion and other means of elimination, exercise, hydration and medications. Calcium imbalance may cause a spectrum of disease. High concentrations are seen in Hyperparathyroidism, Malignancy & Sarcoidosis. Low levels may be due to protein deficiency, renal insufficiency and Hypoparathyroidism. Repeat measurement is recommended if the values are outside the reference range.



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Test Name	Results	Units	Biological Ref-Interval
LIPID PROFILE			
SERUM CHOLESTEROL (CHOD - PAP)	209.0	mg/dl	125-200
SERUM TRIGLYCERIDE (GPO-PAP)	175.0	mg/dl	50-150
HDL CHOLESTEROL (Direct Method)	39.0	mg/dl	30-80
VLDL CHOLESTEROL (Calculated)	35.0	mg/dl	5-35
LDL CHOLESTEROL (Calculated)	135.0	mg/dL.	70-130
LDL/HDL RATIO (Calculated)	3.5		0.0-4.9
CHOL/HDL CHOLESTROL RATIO (Calculated)	5.4		1.5-3.0

INTERPRETATION

TRIGLYCERIDE level > 250mg/dL is associated with an approximately 2-fold greater risk of coronary vascular disease. Elevation of triglycerides can be seen with obesity, medication, fast less than 12 hrs., alcohol intake, diabetes melitus, and pancreatitis.

CHOLESTEROL, its fractions and triglycerides are the important plasma lipids in defining cardiovascular risk factors and in the management of cardiovascular disease. Highest acceptable and optimum values of cholesterol values of cholesterol vary with age. Values above 220 mgm/dl are associated with increased risk of CHD regardless of HDL & LDL values.

HDL-CHOLESTEROL level <35 mg/dL is associated with an increased risk of coronary vascular disease even in the face of desirable levels of cholesterol and LDL - cholesterol.

LDL - CHOLESTEROL & TOTAL CHOLESTEROL levels can be strikingly altered by thyroid, renal and liver disease as well as hereditary factors.

Based on total cholesterol, LDL- cholesterol, and total cholesterol/HDL - cholesterol ratio, patients may be divided into the three risk categories.



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Test Name	Results	Units	Biological Ref-Interval
HORMONE			
PSA (FIA)	1.18	ng/ml	< 4.00

Prostatic Specific Antigen (P.S.A)

NORMAL RANGE : 0 - 4

BORDER LINE : 4 - 10

Interpretation(s)

Prostate specific antigen (PSA) is prostate tissue specific, expressed by both normal and neoplastic prostate tissue. PSA total is the collective measurement of its three forms in serum, two forms are complexed to protease inhibitors- alpha 2 macroglobulin and alpha 2 anti-chymotrypsin and third form is not complexed to a protease inhibitor, hence termed free PSA.

TPSA =Complex PSA+FPSA.

Use:

Monitoring patients with history of Prostate cancer as an early indicator of recurrence and response to treatment.

Prostate cancer screening: Patients with PSA levels >10 ng/mL have >50% probability of prostate cancer.

Increased in:

Prostate diseases: Cancer, Prostatitis, benign prostatic hyperplasia, prostate ischemia, acute urinary retention.

Manipulations such as Prostatic massage, cystoscopy, needle biopsy, Transurethral resection, digital rectal examination, indwelling catheter, vigorous bicycle exercise. Physiological fluctuations

Decreased in:

Castration, Antiandrogen drugs, Radiation therapy, Prostatectomy



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Test Name	Results	Units	Biological Ref-Interval
THYRIOD PROFILE			
Triiodothyronine (T3) (FIA)	0.78	ng/dl	0.52-1.85
Thyroxine (T4) (FIA)	6.34	ug/dl	4.8-11.6
THYROID STIMULATING HORMONE (TSH) (FIA)	36.01	mIU/L	0.50-5.50

Interpretation Note:

Thyroid Stimulating Hormone (TSH) is a highly effective screening assay for thyroid disorders. In patients with an intact pituitary-thyroid axis, TSH provides a physiologic indicator of the functional level of thyroid hormone activity. Increased TSH indicates inadequate thyroid hormone, and suppressed s-TSH indicates excess thyroid hormone. Transient s-TSH abnormalities may be found in seriously ill, hospitalized patients, so this is not the ideal setting to assess thyroid function. However, even in these patients, s-TSH works better than total thyroxine (an alternative screening test). When the s-TSH result is abnormal, appropriate follow-up tests T4 & free T3 levels should be performed. If TSH is between 5.0 to 10.0 & free T4 & free T3 level are normal then it is considered as subclinical hypothyroidism which should be followed up after 4 weeks & If TSH is > 10 & free T4 & free T3 level are normal then it is considered as overt hypothyroidism.

Serum triiodothyronine (T3) levels often are depressed in sick and hospitalized patients, caused in part by the biochemical shift to the production of reverse T3. Therefore, T3 generally is not a reliable predictor of hypothyroidism. However, in a small subset of hyperthyroid patients, hyperthyroidism may be caused by overproduction of T3 (T3 toxicosis). To help diagnose and monitor this subgroup, T3 is measured on all specimens with suppressed s-TSH and normal FT4 concentrations.

Normal ranges of TSH & thyroid hormones vary according to trimester in pregnancy.

TSH ref range in Pregnancy Reference range (microIU/ml)

First trimester	0.24 - 2.00
Second trimester	0.43-2.2
Third trimester	0.8-2.5



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CLINICAL PATHOLOGY

URINE EXAMINATION REPORT

PHYSICAL EXAMINATION

VOLUME (visual)	10	ml	
COLOUR (visual)	PALE YELLOW		
APPEARANCE (visual)	CLEAR		
pH	6.00		4.6 - 8.0
SPECIFIC GRAVITY (pKa Change)	1.010		1.010-1.030

BIOCHEMICAL EXAMINATION

UROBILINOGEN (Erichs)	NIL		NIL
BILIRUBIN (Azo-coupling reaction)	NEGATIVE		NEGATIVE
NITRITE	NEGATIVE		NEGATIVE
SUGAR (Glucose Oxidase Peroxidase)	NIL		Nil
ALBUMIN (Protein-Error-of-Indicator))	NIL		Nil
PHOSPHATE	NIL		Nil

MICROSCOPIC EXAMINATION

(Microscopy)			
RED BLOOD CELLS	NIL	/H.P.F.	0-2
PUS CELLS	2-3	/H.P.F.	0-5
EPITHELIAL CELLS	1-2	/H.P.F.	0-5
CRYSTALS	NIL	/H.P.F.	NIL
CASTS	NIL	/L.P.F.	
OTHER			



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