Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 10:15 AM Received On: 25/02/2023 10:49 AM Reported On: 25/02/2023 11:22 AM

Barcode: 012302251095 Specimen: Plasma Consultant: Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9980470603

#### **BIOCHEMISTRY**

Test	Result	Unit	<b>Biological Reference Interval</b>
Fasting Blood Sugar (FBS) (Colorimetric - Glucose Oxidase Peroxidase)	86	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020

-- End of Report-

Dr. Anushre Prasad MBBS, MD, Biochemistry

MSc, Mphil, Biochemistry Consultant Biochemistry

Incharge, Consultant Biochemistry

Mrs. Latha B S

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically. (Fasting Blood Sugar (FBS) -> Auto Authorized)





Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 10:15 AM Received On: 25/02/2023 10:49 AM Reported On: 25/02/2023 12:11 PM

Barcode: 012302251096 Specimen: Serum Consultant: Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9980470603

#### **BIOCHEMISTRY**

Test	Result	Unit	Biological Reference Interval
SERUM CREATININE			
Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.96	mg/dL	0.66-1.25
eGFR (Calculated)	84.4	mL/min/1.73m <sup>2</sup>	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodyamically unstable patients eGFR is not applicable for less than 18 years of age.
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric – Urease)	13	mg/dL	9.0-20.0
Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	5.2	mg/dL	3.5-8.5
LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)			
Cholesterol Total (Colorimetric - Cholesterol Oxidase)	200 H	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	69	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	35 L	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	165.0 H	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220
LDL Cholesterol (Colorimetric)	144	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	13.8	mg/dL	0.0-40.0

Patient Name: Mr Subash Balasubramaniam MRN:	10200000270488	Gender/Age: MALE, 4	
Cholesterol /HDL Ratio (Calculated)	5.8 H	-	0.0-5.0
Prostate Specific Antigen (PSA) (Enhanced Chemiluminesence)	0.923	ng/mL	0.0-2.5
THYROID PROFILE (T3, T4, TSH)			
Tri lodo Thyronine (T3) (Enhanced Chemiluminesence)	1.35	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminesence)	10.8	μg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminesence)	3.715	μIU/mL	0.4-4.049
LIVER FUNCTION TEST(LFT)			
Bilirubin Total (Colorimetric -Diazo Method)	0.44	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Dual Wavelength - Reflectance Spectrophotometry)	0.10	mg/dL	0.0-0.4
Unconjugated Bilirubin (Indirect) (Calculated)	0.34	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.50	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.50	gm/dL	3.5-5.0
Serum Globulin (Calculated)	3.0	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.5	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	22	U/L	17.0-59.0
<b>SGPT (ALT)</b> (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	19	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P- nitro Phenyl Phosphate, AMP Buffer)	85	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide ( Szasz Method))	18	U/L	15.0-73.0

### **Interpretation Notes**

#### Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Indirect Bilirubin result is a calculated parameter (Indirect Bilirubin = Total Bilirubin - Direct Bilirubin).

Indirect bilirubin result includes the delta bilirubin fraction also. Delta Bilirubin is the bilirubin which is covalently bound to albumin.

Delta Bilirubin is not expected to be present in healthy adults or neonates.

--End of Report-

Dr. Anushre Prasad MBBS,MD, Biochemistry Consultant Biochemistry

#### Note

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.

(Lipid Profile, -> Auto Authorized)

(, -> Auto Authorized)

(CR, -> Auto Authorized)

(LFT, -> Auto Authorized)

(Uric Acid, -> Auto Authorized)

(Blood Urea Nitrogen (Bun), -> Auto Authorized)

(Prostate Specific Antigen (Psa) -> Auto Authorized)

W

Mrs. Latha B S MSc, Mphil, Biochemistry Incharge, Consultant Biochemistry





Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 12:50 PM Received On: 25/02/2023 01:10 PM Reported On: 25/02/2023 01:49 PM

Barcode: 012302251532 Specimen: Plasma Consultant: Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9980470603

#### **BIOCHEMISTRY**

Test Result Unit **Biological Reference Interval** 70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes Post Prandial Blood Sugar (PPBS) (Colorimetric - 100 mg/dL Glucose Oxidase Peroxidase)

-- End of Report-

Mrs. Latha B S

Dr. Anushre Prasad MBBS, MD, Biochemistry

Consultant Biochemistry

#### Note

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically. (Post Prandial Blood Sugar (PPBS) -> Auto Authorized)



MC-2688

Incharge, Consultant Biochemistry

MSc, Mphil, Biochemistry



ADA standards 2020

Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 10:15 AM Received On: 25/02/2023 10:49 AM Reported On: 25/02/2023 12:16 PM

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9980470603

#### **HEMATOLOGY**

Test	Result	Unit	<b>Biological Reference Interval</b>
Erythrocyte Sedimentation Rate (ESR)	2	mm/1hr	0.0-10.0

(Westergren Method)

#### **Interpretation Notes**

• ESR high - Infections, chronic disorders,, plasma cell dyscrasias.

DISCLAIMER:All the laboratory findings should mandatorily interpreted in correlation with clinical findings by a medical expert

-- End of Report-



Dr. Hema S MD, DNB, Pathology Associate Consultant

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.





Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 10:15 AM Received On: 25/02/2023 10:49 AM Reported On: 25/02/2023 11:23 AM

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9980470603

#### **BIOCHEMISTRY**

Test	Result	Unit	<b>Biological Reference Interval</b>
HBA1C			
HbA1c (HPLC NGSP Certified)	5.3	%	Normal: 4.0-5.6 Prediabetes: 5.7-6.4 Diabetes: => 6.5 ADA standards 2020
Estimated Average Glucose (Calculated)	105.41	-	-

#### Interpretation:

- 1. HbA1C above 6.5% can be used to diagnose diabetes provided the patient has symptoms. If the patient does not have symptoms with HbA1C>6.5%, repeat measurement on further sample. If the repeat test result is <6.5%, consider as diabetes high risk and repeat measurement after 6 months.
- 2. HbA1C measurement is not appropriate in diagnosing diabetes in children, suspicion of type 1 diabetes, symptoms of diabetes for less than 2 months, pregnancy, hemoglobinopathies, medications that may result sudden increase in glucose, anemia, renal failure, HIV infection, malignancies, severe chronic hepatic, and renal disease.
- 3. Any sample with >15% should be suspected of having a haemoglobin variant.

#### -- End of Report-

Mrs. Latha B S

MSc, Mphil, Biochemistry

Incharge, Consultant Biochemistry

Dr. Anushre Prasad MBBS,MD, Biochemistry Consultant Biochemistry

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- Results relate to the sample only.
- Kindly correlate clinically.





Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 10:15 AM Received On: 25/02/2023 10:49 AM Reported On: 25/02/2023 11:02 AM

Barcode: 022302250601 Specimen: Whole Blood Consultant: Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9980470603

#### **HEMATOLOGY**

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	14.6	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	5.17	million/μl	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	44.5	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	86.0	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	28.2	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	32.8	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	13.4	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	257	10 <sup>3</sup> /μL	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	5.9	10 <sup>3</sup> /μL	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	51.9	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	38.0	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	7.9	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	2.0	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.2	%	0.0-2.0

Patient Name: Mr Subash Balasubramaniam	MRN : 10200000270488	Gender/Age :	MALE , 46y (01/10/1976)
Absolute Neutrophil Count (Calculated)	3.07	x10 <sup>3</sup> cells/μl	2.0-7.0
Absolute Lympocyte Count (Calculated)	2.25	x10 <sup>3</sup> cells/μl	1.0-3.0
Absolute Monocyte Count (Calculated)	0.47	x10 <sup>3</sup> cells/μl	0.2-1.0
Absolute Eosinophil Count (Calculated)	0.12	x10 <sup>3</sup> cells/μl	0.02-0.5
Absolute Basophil Count (Calculated)	0.02	-	-

As per the recommendation of International Council for Standardization in Hematology, the differential counts are additionally being reported as absolute numbers.

#### **Interpretation Notes**

• Haemoglobin , RBC Count and PCV: If below reference range, indicates Anemia. Further evaluation is suggested .

RBC Indices aid in typing of anemia.

WBC Count: If below reference range, susceptibility to infection.

If above reference range- Infection\*

If very high in lakhs-Leukemia

Neutrophils -If above reference range-acute infection, mostly bacterial

Lymphocytes -If above reference range-chronic infection/ viral infection

Monocytes -If above reference range- TB, Typhoid, UTI

Eosinophils -If above reference range -Allergy, cough, Common cold, Asthma & worms

Basophils - If above reference range, Leukemia, allergy

Platelets: If below reference range- bleeding disorder, Dengue, drug- induced, malignancies

\* In bacterial infection with fever total WBC count increases.

Eg Tonsillitis, Sinusitis, Bronchitis, Pneumonia, Appendicitis, UTI-12000-25000 cells/cumm.

In typhoid and viral fever WBC may be normal.

DISCLAIMER: All the laboratory findings should mandatorily interpreted in correlation with clinical findings by a medical expert.

-- End of Report-

Dr. Shalini K S

DCP, DNB, Pathology

Consultant

Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.





Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 10:15 AM Received On: 25/02/2023 10:49 AM Reported On: 25/02/2023 11:08 AM

Barcode: 032302250197 Specimen: Urine Consultant: Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9980470603

**CLINICAL PATHOLOGY** 

Test Result Unit

Urine For Sugar (Fasting) (Enzyme Method (GOD Not Present

POD))

-- End of Report-

Dr. Sudarshan Chougule MBBS, MD, Pathology

Consultant & Head - Hematology & Flow Cytometry

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.





Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 10:15 AM Received On: 25/02/2023 10:49 AM Reported On: 25/02/2023 11:24 AM

Barcode: 032302250197 Specimen: Urine Consultant: Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 9980470603

#### **CLINICAL PATHOLOGY**

Test	Result	Unit	Biological Reference Interval
URINE ROUTINE & MICROSCOPY			
PHYSICAL EXAMINATION			
Colour	STRAW	-	-
Appearance	Clear	-	-
CHEMICAL EXAMINATION			
pH(Reaction) (pH Indicator Method)	5.5	-	4.5-7.5
Sp. Gravity (Refractive Index)	1.018	-	1.002 - 1.030
Protein (Automated Protein Error Or Ph Indicator)	Not Present	-	Not Present
Urine Glucose (Enzyme Method (GOD POD))	Not Present	-	Not Present
Ketone Bodies (Nitroprusside Method)	Not Present	-	Not Present
Bile Salts (Azo Coupling Method)	Not Present	-	Not Present
Bile Pigment (Bilirubin) (Azo Coupling Method)	Not Present	-	Not Present
Urobilinogen (Azo Coupling Method)	Normal	-	Normal
Urine Leucocyte Esterase (Measurement Of Leukocyte Esterase Activity)	Not Present	-	Not Present
Blood Urine (Peroxidase Reaction)	Not Present	-	Not Present
Nitrite (Gries Method)	Not Present	-	Not Present
MICROSCOPIC EXAMINATION			
Pus Cells	0.5	/hpf	0-5

Patient Name: Mr Subash Balasubramaniam	MRN: 1020000027048	Gender/Ag	e : MALE , 46y (01/10/1976)
RBC	0.1	/hpf	0-4
Epithelial Cells	0.2	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts	0.00	/hpf	0-1
Bacteria	3.3	/hpf	0-200
Yeast Cells	0.0	/hpf	0-1
Mucus	Not Present	-	Not Present

--End of Report-

Dr. Sudarshan Chougule MBBS, MD, Pathology

Consultant & Head - Hematology & Flow Cytometry

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.



Final Report

#### **DEPARTMENT OF LABORATORY MEDICINE**

Patient Name: Mr Subash Balasubramaniam MRN: 10200000270488 Gender/Age: MALE, 46y (01/10/1976)

Collected On: 25/02/2023 10:15 AM Received On: 25/02/2023 10:50 AM Reported On: 25/02/2023 11:43 AM

Barcode: 1B2302250038 Specimen: Whole Blood Consultant: Dr. Santosh K M(FAMILY MEDICINE)

Sample adequacy: Satisfactory Visit No: OP-001 Patient Mobile No: 9980470603

#### NARAYANA HRUDAYALAYA BLOOD CENTRE

Test Result Unit

#### **BLOOD GROUP & RH TYPING**

Blood Group (Column Agglutination Technology) O

RH Typing (Column Agglutination Technology) Positive

-- End of Report-

Dr. Prathip Kumar B R

MBBS,MD, Immunohaematology & Blood Transfusion

Consultant

- Abnormal results are highlighted.
- Results relate to the sample only.
- Kindly correlate clinically.



# CONSULTATION SUMMARY



Patient MRN Patient Name Gender/Age/Dob Patient Phone No

Patient Address

:10200000270488 : Mr Subash Balasubramaniam

:Male , 46 Years , 01/10/76

:9980470603

:H No- B2-007, Mahindra Aarna , Annath Nagar , E- City Ph 2, Bengaluru, Bangalore Urban, Karnataka, India, -560100

Consultation Date: 25/02/2023 02:32 PM :Dr. Santosh K M (FAMILY Consultant

MEDICINE)

Consultation

OP , NEW VISIT

Type

VITALS

Blood Pressure: 123/84 mmHg

Heart Rate: 79 bpm

SPO2: 95 %, Room air

Height: 166 cm BSA: 1.82 m2

Weight: 72 kg

BMI: 26.13 kg/m2

CLINICAL IMPRESSION

Hyperlipidemia

ADVICE

Hydration atleast 4 litres per day Food Quality (as discussed in outpatient department) Exercise- atleast 30 min brisk walk daily Sleep Hygiene

# FOLLOW UP DETAILS

Physical Consultation after 3 Months with below investigation results Follow-up Investigation FASTING LIPID PROFILE (CHOL, TRIG, HDL, LDL, VLDL)

# CONSULTANT DETAILS

Dr. Santosh K M , ASSOCIATE CONSULTANT , FAMILY MEDICINE

One free consultation with the same doctor within next 6 days.

Printed By: Dr. Santosh K M | Printed On: 25.02.2023 14:34

MANOWOR GOVE.

1ston work x gmits!

Appointments

1800-309-0309 (Toll Free)

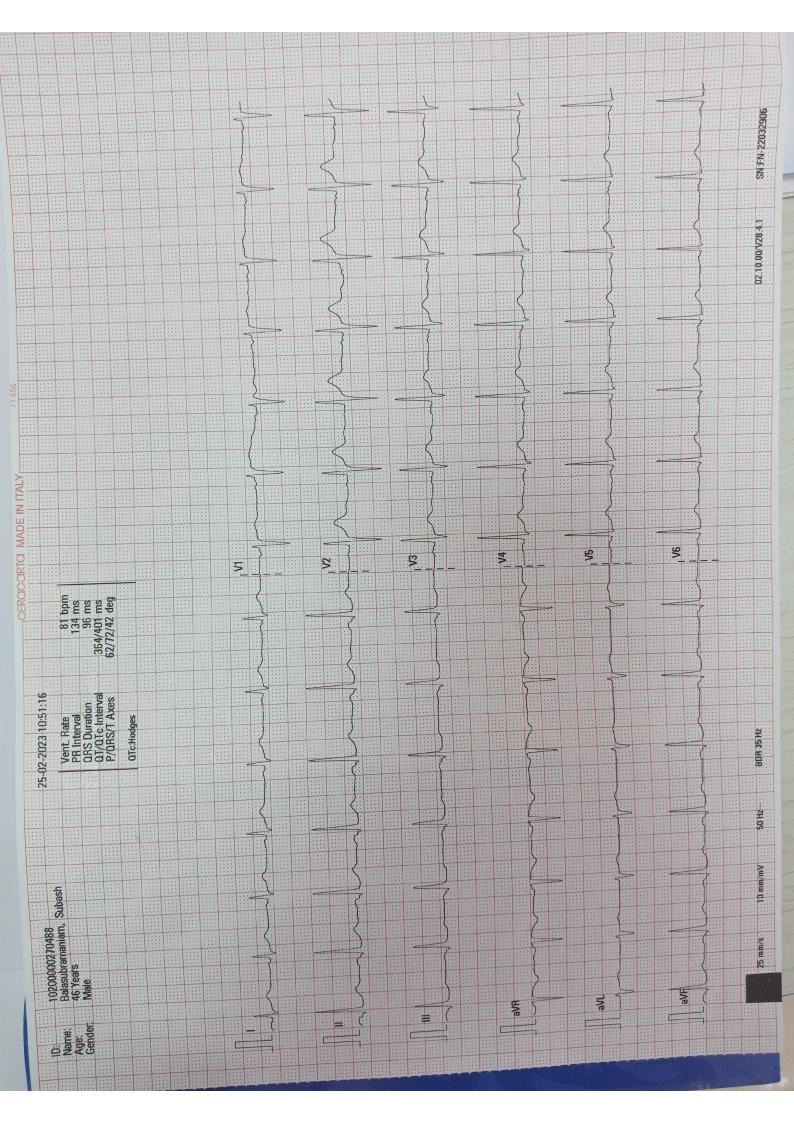
Emergencies

Narayana Institute of Cardiac Sciences

Registered Office: 258/A, Bommasandra Industrial Area, Anekal Taluk, Bangalore 560099 masandra Industrial Area, Anekal Taluk, Bangalore 560099

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97384 97384





: 10200000270488 MRN : Mr. Subash Balasubramaniam : Male

**Patient Name** Sex : 46 Years

: 25.02.2023 Date Age Referring Doctor : EHC

# **ULTRASOUND ABDOMEN AND PELVIS**

CLINICAL DETAILS: Health Check-up.

Liver is normal in size and echopattern. No intra or extra hepatic biliary duct dilatation. No focal FINDINGS: lesions.

Portal vein is normal in course and caliber. Hepatic veins and their confluence draining into the IVC appear normal. CBD is not dilated.

Gallbladder is normal without evidence of calculi, wall thickening or pericholecystic fluid.

Pancreas obscured by bowel gas.

Spleen is normal in size, shape, contour and echopattern. No evidence of mass or focal lesions.

Right Kidney is normal in size, position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

Left Kidney is normal in size, position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

Retroperitoneum - Obscured by bowel gas.

Urinary Bladder is well distended. Wall thickness is normal. No evidence of calculi, mass or mural

Prostate is normal in size, (volume - 20 cc).

There is no ascites.

### **IMPRESSION:**

No significant abnormality detected.

Dr. Ann Mary Jose Resident

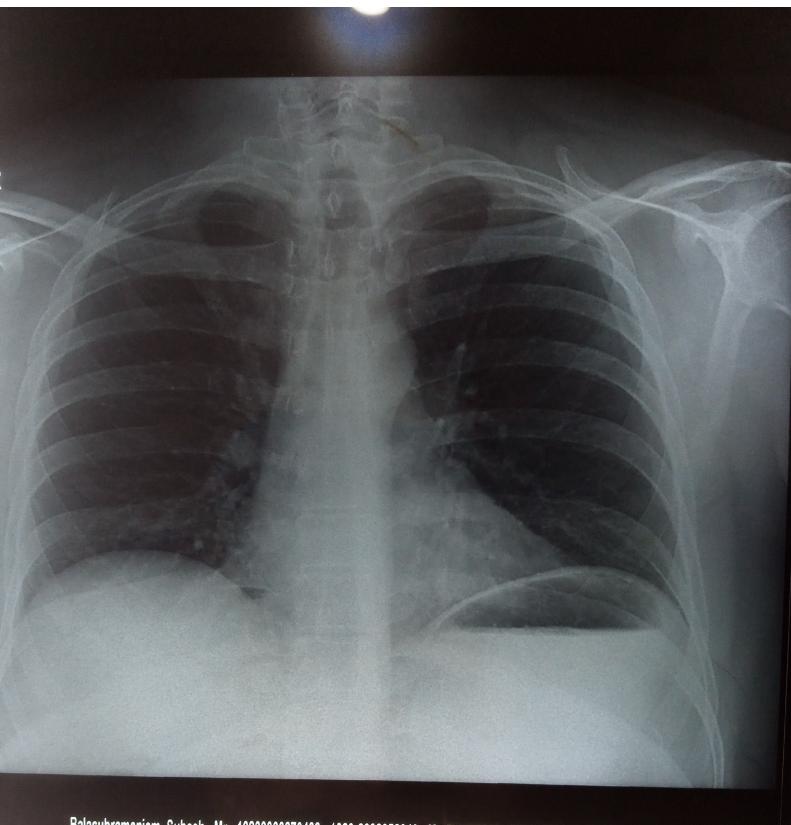
Typed by Kalyani





**Appointments** 

1800-309-0309 (Toll Free)



Balasubramaniam Subash Mr 10200000270488 1020-2302052043 M P5-000310 25/02/2023 11:15 AM NH MSMC NH HEALTH CITY BANGALORE.