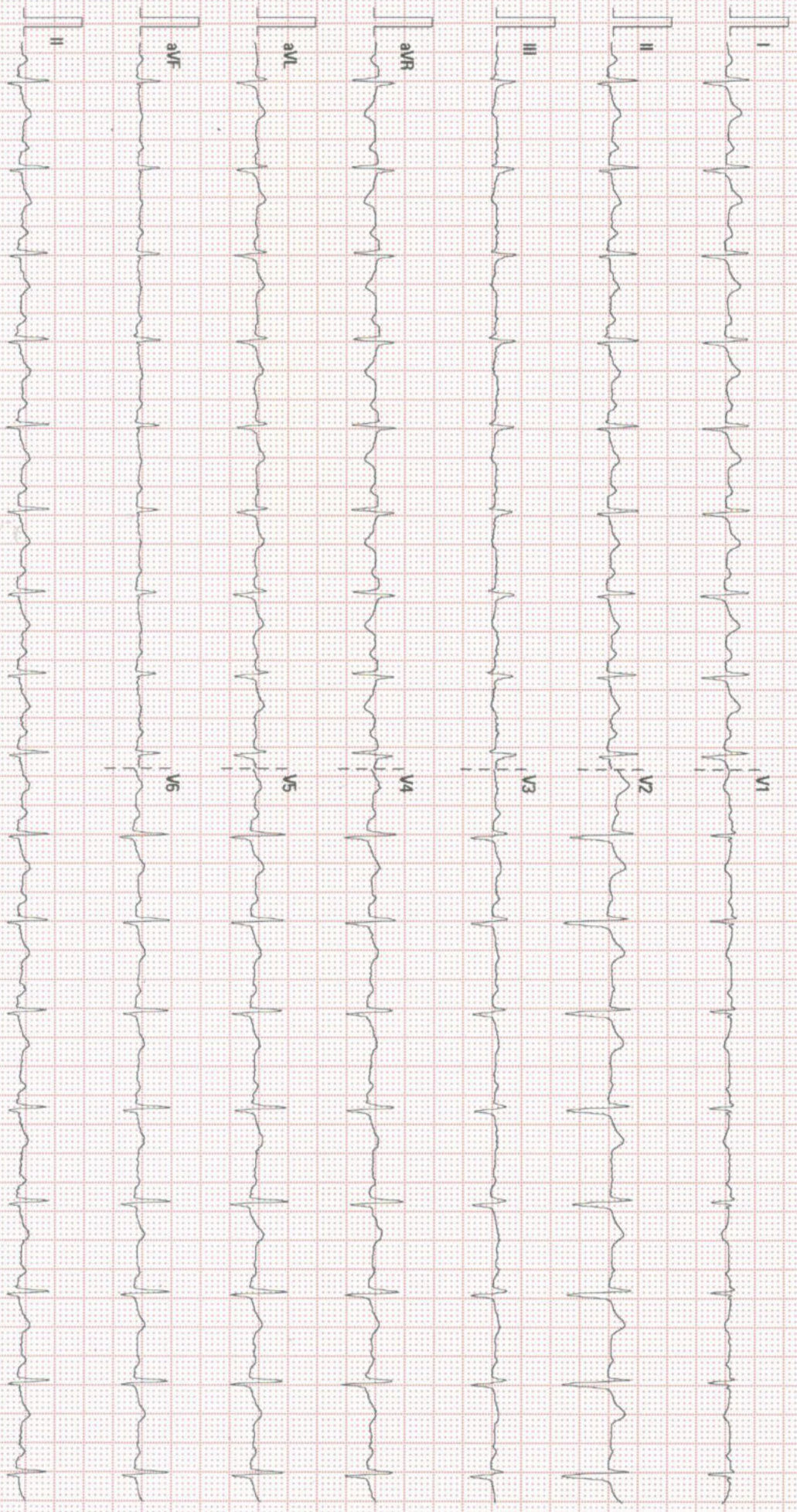


ID: 2015-084
Name: MR SIVAKUMAR P
Age: 34 Years
Gender: Male

14-04-2023 09:10:01 AM

Vent. Rate	101 bpm
PR Interval	148 ms
QRS Duration	82 ms
QT/QTc Interval	340/412 ms
P/QRS/T Axes	45/94/17 deg
QTc:Hodges	



25 mm/s
10 mm/mV
50 Hz
BDR 35 Hz

NARAYANA HEALTH, JAYANAGAR

02.06.00.V28.4.1

SN.FN.73007176

ADULT TRANS-THORACIC ECHO REPORT

NAME : MR.SIVAKUMAR P

AGE/SEX : 34YRS/MALE

MRN NO : 2015000000084

DATE : 14.04.2023

FINAL DIAGNOSIS:

- NORMAL CHAMBER DIMENSIONS
- NO RWMA
- NORMAL VALVES
- NORMAL PA PRESSURE
- NORMAL RV/LV FUNCTION
- LVEF- 60 %

MEASUREMENTS

AO: 29 MM

LVID (d) : 46 MM

IVS (d) : 11 MM

RA : 32 MM

LA: 35 MM

LVID(s) : 28 MM

PW (d) : 11 MM

RV : 26 MM

EF: 60 %

VALVES

MITRAL VALVE : NORMAL

AORTIC VALVE : NORMAL

TRICUSPID VALVE : NORMAL

PULMONARY VALVE : NORMAL

CHAMBERS

LEFT ATRIUM : NORMAL

RIGHT ATRIUM : NORMAL

LEFT VENTRICLE : NORMAL, NORMAL LV FUNCTION

RIGHT VENTRICLE : NORMAL, TAPSE-19 MM, NORMAL RV FUNCTION

RVOT/LVOT : NORMAL



SEPTAE

IVS : INTACT

IAS : INTACT

GREAT ARTERIES

AORTA : NORMAL, AORTIC ANNULUS-20 MM, LEFT ARCH

PULMONARY ARTERY : NORMAL

DOPPLER DATA

MITRAL VALVE : E/A – 0.8/0.7M/S, MR-TRIVIAL

AORTIC VALVE : PG- 5 MMHG

TRICUSPID VALVE : TR-TRIVIAL , PASP- 25 MMHG

PULMONARY VALVE : PG- 3 MMHG

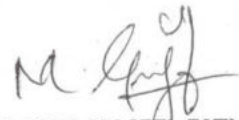
WALL MOTION ABNORMALITIES: NO RWMA

PERICARDIUM : NORMAL

VEGETATION/THROMBUS : ABSENT

OTHER FINDINGS

IVC- 14 MM, NORMAL SIZED, COLLAPSIBILITY >50%, RAP -3 MM
SINUS RHYTHM/ HR- 94 BPM



**GULSUM JAMEEL FATHIMA M
CARDIAC SONOGRAPHER**

Patient Name : Mr. Siva Kumar P
Age : 34Years
Referring Doctor : EHP

Patient ID : 2015000000084
Sex : Male
Date : 14.04.2023

ULTRASOUND ABDOMEN AND PELVIS

FINDINGS:

Liver is normal in size and shows **diffuse increase** echopattern. No intra or extra hepatic biliary duct dilatation. No focal lesions.

Portal vein is normal in size, course and caliber. **CBD** is not dilated.

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

Pancreas to the extent visualized, appears normal in size, contour and echogenicity.

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

Right Kidney is normal in size (measures 10.3cm in length & 1.5cm in parenchymal thickness), position, shape and echopattern. Corticomedullary differentiation is maintained. No evidence of calculi or hydronephrosis.

Left Kidney is normal in size (measures 10.3cm in length & 1.4cm in parenchymal thickness), 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 lesion.

Prostate is normal in echopattern and normal in size, measures 3.3x3.1x3.0cm, Volume - 17cc.

Fluid - There is no ascites or pleural effusion.

IMPRESSION:

- **Grade I Fatty Liver .**



Dr B S Ramkumar 35772
Consultant Radiologist

Disclaimer:

Note: Investigations have their limitations. Solitary pathological/Radiological and other investigations never confirm the final diagnosis. They only help in diagnosing the disease in correlation to clinical symptoms and other related tests. Please interpret accordingly. This Report is not for Medico - Legal Purposes.

DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)

Collected On : 14/04/2023 08:42 AM Received On : 14/04/2023 12:36 PM Reported On : 14/04/2023 02:12 PM

Barcode : 032304140102 Specimen : Urine Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8019882703

CLINICAL PATHOLOGY

Test	Result	Unit
Urine For Sugar (Fasting) (Enzyme Method (GOD POD))	Not Present	-
Urine For Sugar (Post Prandial) (Enzyme Method (GOD POD))	Not Present	-



Dr. Sudarshan Chougule
MBBS, MD, Pathology
Consultant & Head - Hematology & Flow Cytometry

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
Erythrocyte Sedimentation Rate (ESR) (Westergren Method)	10	mm/1hr	0.0-10.0

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



Dr. Sudarshan Chougule
MBBS, MD, Pathology
Consultant & Head - Hematology & Flow Cytometry



Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)

HEMATOLOGY

Test	Result	Unit	Biological Reference Interval
COMPLETE BLOOD COUNT (CBC)			
Haemoglobin (Hb%) (Photometric Measurement)	16.2	g/dL	13.0-17.0
Red Blood Cell Count (Electrical Impedance)	5.18	million/ μ l	4.5-5.5
PCV (Packed Cell Volume) / Hematocrit (Calculated)	48.5	%	40.0-50.0
MCV (Mean Corpuscular Volume) (Derived)	93.7	fL	83.0-101.0
MCH (Mean Corpuscular Haemoglobin) (Calculated)	31.3	pg	27.0-32.0
MCHC (Mean Corpuscular Haemoglobin Concentration) (Calculated)	33.4	%	31.5-34.5
Red Cell Distribution Width (RDW) (Derived)	15.5 H	%	11.6-14.0
Platelet Count (Electrical Impedance Plus Microscopy)	301	$10^3/\mu$ L	150.0-450.0
Total Leucocyte Count(WBC) (Electrical Impedance)	9.3	$10^3/\mu$ L	4.0-10.0
DIFFERENTIAL COUNT (DC)			
Neutrophils (VCS Technology Plus Microscopy)	57.2	%	40.0-75.0
Lymphocytes (VCS Technology Plus Microscopy)	28.6	%	20.0-40.0
Monocytes (VCS Technology Plus Microscopy)	7.3	%	2.0-10.0
Eosinophils (VCS Technology Plus Microscopy)	6.0	%	1.0-6.0
Basophils (VCS Technology Plus Microscopy)	0.9	%	0.0-2.0
Absolute Neutrophil Count (Calculated)	5.32	$\times 10^3$ cells/ μ l	2.0-7.0
Absolute Lymphocyte Count (Calculated)	2.66	$\times 10^3$ cells/ μ l	1.0-3.0
Absolute Monocyte Count (Calculated)	0.68	$\times 10^3$ cells/ μ l	0.2-1.0

Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)			
Absolute Eosinophil Count (Calculated)	0.56 H	x10 ³ cells/ μ l	0.02-0.5
Absolute Basophil Count (Calculated)	0.09	-	-

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.



Dr. Deepak M B
MD, PDF, Hematopathology
Consultant

BIOCHEMISTRY

Test	Result	Unit	Biological Reference Interval
Fasting Blood Sugar (FBS) (Colorimetric - Glucose Oxidase Peroxidase)	79	mg/dL	70 to 99 : Normal 100 to 125 : Pre-diabetes =>126 : Diabetes ADA standards 2020
Post Prandial Blood Sugar (PPBS) (Colorimetric - Glucose Oxidase Peroxidase)	92	mg/dL	70 to 139 : Normal 140 to 199 : Pre-diabetes =>200 : Diabetes ADA standards 2020

HBA1C



Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)			
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:

- 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.
- 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.
- Any sample with >15% should be suspected of having a haemoglobin variant.

SERUM CREATININE

Serum Creatinine (Two Point Rate - Creatinine Aminohydrolase)	0.83	mg/dL	0.66-1.25
eGFR (Calculated)	106.1	mL/min/1.73m ²	Indicative of renal impairment < 60 Note:eGFR is inaccurate for Hemodynamically unstable patients eGFR is not applicable for less than 18 years of age.
Blood Urea Nitrogen (BUN) (Endpoint /Colorimetric – Urease)	8 L	mg/dL	9.0-20.0
Serum Uric Acid (Colorimetric - Uricase,Peroxidase)	7.9	mg/dL	3.5-8.5

LIPID PROFILE (CHOL,TRIG,HDL,LDL,VLDL)

Cholesterol Total (Colorimetric - Cholesterol Oxidase)	144	mg/dL	Desirable: < 200 Borderline High: 200-239 High: > 240
Triglycerides (Colorimetric - Lip/Glycerol Kinase)	102	mg/dL	Normal: < 150 Borderline: 150-199 High: 200-499 Very High: > 500
HDL Cholesterol (HDLC) (Colorimetric: Non HDL Precipitation Phosphotungstic Acid Method)	44	mg/dL	40.0-60.0
Non-HDL Cholesterol (Calculated)	100.0	mg/dL	Desirable: < 130 Above Desirable: 130-159 Borderline High: 160-189 High: 190-219 Very High: => 220

Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)			
LDL Cholesterol (Colorimetric)	87 L	mg/dL	Optimal: < 100 Near to above optimal: 100-129 Borderline High: 130-159 High: 160-189 Very High: > 190
VLDL Cholesterol (Calculated)	20.4	mg/dL	0.0-40.0
Cholesterol /HDL Ratio (Calculated)	3.3	-	0.0-5.0

LIVER FUNCTION TEST(LFT)

Bilirubin Total (Colorimetric -Diazo Method)	0.61	mg/dL	0.2-1.3
Conjugated Bilirubin (Direct) (Dual Wavelength - Reflectance Spectrophotometry)	0.10	mg/dL	0.0-0.3
Unconjugated Bilirubin (Indirect) (Calculated)	0.51	mg/dL	0.0-1.1
Total Protein (Colorimetric - Biuret Method)	7.60	gm/dL	6.3-8.2
Serum Albumin (Colorimetric - Bromo-Cresol Green)	4.80	gm/dL	3.5-5.0
Serum Globulin (Calculated)	2.8	gm/dL	2.0-3.5
Albumin To Globulin (A/G)Ratio (Calculated)	1.72	-	1.0-2.1
SGOT (AST) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	33	U/L	17.0-59.0
SGPT (ALT) (Multipoint-Rate With P-5-P (pyridoxal-5-phosphate))	35	U/L	<50.0
Alkaline Phosphatase (ALP) (Multipoint-Rate - P-nitro Phenyl Phosphate, AMP Buffer)	74	U/L	38.0-126.0
Gamma Glutamyl Transferase (GGT) (Multipoint Rate - L-glutamyl-p-nitroanilide (Szasz Method))	21	U/L	15.0-73.0

Interpretation Notes

- 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.

THYROID PROFILE (T3, T4, TSH)

Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)			
Tri Iodo Thyronine (T3) (Enhanced Chemiluminescence)	1.26	ng/mL	0.97-1.69
Thyroxine (T4) (Enhanced Chemiluminescence)	9.02	µg/dl	5.53-11.0
TSH (Thyroid Stimulating Hormone) (Enhanced Chemiluminescence)	4.201 H	µIU/mL	0.4-4.049

--End of Report--



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



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)
 - (Fasting Blood Sugar (FBS), -> Auto Authorized)
 - (Lipid Profile, -> Auto Authorized)
 - (CR, -> Auto Authorized)
 - (LFT, -> Auto Authorized)
 - (Uric Acid, -> Auto Authorized)
 - (Blood Urea Nitrogen (Bun) -> Auto Authorized)



DEPARTMENT OF LABORATORY MEDICINE

Final Report

Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)

Collected On : 14/04/2023 08:42 AM Received On : 14/04/2023 12:34 PM Reported On : 14/04/2023 01:35 PM

Barcode : 1B2304140013 Specimen : Whole Blood Consultant : EXTERNAL(EXTERNAL)

Sample adequacy : Satisfactory Visit No : OP-001 Patient Mobile No : 8019882703

NARAYANA HRUDAYALAYA BLOOD CENTRE

Test	Result	Unit
BLOOD GROUP & RH TYPING		
Blood Group (Column Agglutination Technology)	B	-
RH Typing (Column Agglutination Technology)	Positive	-



Dr. Prathip Kumar B R
MBBS,MD, Immunohaematology & Blood Transfusion
Consultant

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)	1.016	-	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



Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)

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	0.0	/hpf	0-5
RBC	0.0	/hpf	0-4
Epithelial Cells	0.1	/hpf	0-6
Crystals	0.0	/hpf	0-2
Casts	0.00	/hpf	0-1
Bacteria	5.0	/hpf	0-200
Yeast Cells	0.0	/hpf	0-1
Mucus	Not Present	-	Not Present

Interpretation Notes

- Since the analytical methodology of Urine Microscopy is Flow cytometry based and FDA approved the results of automated urine microscopy which includes RBCs, WBCs Epithelial cells etc are being reported in decimal fraction. Rounding off the value to nearest whole number is suggested.

--End of Report--



Patient Name : Mr Sivakumar P MRN : 20150000000084 Gender/Age : MALE , 34y (03/07/1988)



Dr. Sudarshan Chougule
MBBS, MD, Pathology
Consultant & Head - Hematology & Flow Cytometry

Note

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

