

Patient Name	MR.DILEEPKUMAR.P.S	Age	56Yr
Patient ID	151545	Sex	Male
Referral Dr	MEDIWHEEL	Study Date	23 Sep 2023

X-RAY - CHEST PA VIEW

OBSERVATION:

The trachea is central.
The mediastinal and cardiac silhouette are normal.
Cardiothoracic ratio is normal.
Cardiophrenic and costophrenic angles are normal.
Both hila are normal.
Lung zones are clear.
Bones of the thoracic cage are normal.
Soft tissues of the chest wall are normal.

IMPRESSION:

No significant abnormality seen.

Dr. Abinaya., MD., (RD)
Consultant Radiologist


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Patient Name : MR. DILEEPKUMAR P S

Age / Gender : 56 years / Male

Patient ID : 142316

Referral : MediWheel

Scan to Validate


Billing Time : Sep 23, 2023, 08:51 a.m.

Collection Time : Sep 23, 2023, 08:53 a.m.

Reporting Time : Sep 23, 2023, 12:50 p.m.

Sample ID :


000926623P

Test Description	Value(s)	Unit(s)	Reference Range
<u>COMPLETE BLOOD COUNT (CBC)</u>			
Hemoglobin (Hb)	13.8	gm/dL	13.5 - 18.0
Erythrocyte (RBC) Count	4.70	mil/cu.mm	4.7 - 6.0
Packed Cell Volume (PCV)	41.4	%	42 - 52
Mean Cell Volume (MCV)	88.09	fL	78 - 100
Mean Cell Haemoglobin (MCH)	29.36	pg	27 - 31
Mean Corpuscular Hb Concn. (MCHC)	33.33	g/dL	32 - 36
Red Cell Distribution Width (RDW)	12.6	%	11.5 - 14.0
Total Leucocytes (WBC) Count	7380	cell/cu.mm	4000-10000
Neutrophils	53	%	40 - 80
Lymphocytes	34	%	20 - 40
Monocytes	8	%	2 - 10
Eosinophils	4	%	1 - 6
Basophils	1	%	1-2
Absolute Neutrophil Count	3911.40	/c.mm	2000 - 7000
Absolute Lymphocyte Count	2509.20	/c.mm	1000 - 3000
Absolute Monocyte Count	590.40	/c.mm	200 - 1000
Absolute Eosinophil Count	295.20	/c.mm	20 - 500
Absolute Basophils Count	73.80	/c.mm	20 - 100
Platelet Count	387	10 ³ /ul	150 - 450
Mean Platelet Volume (MPV)	9.3	fL	7.2 - 11.7
PCT	0.36	%	0.2 - 0.5
PDW	9.9	%	9.0 - 17.0
ESR	10.0	mm/hr	13.5 - 18.0

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MD(Patho)


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URINE COMPLETE ANALYSIS,
Physical Examination

Quantity	15	ml	-
Colour	Pale Yellow		Pale yellow/Yellow
Appearance	Cloudy		Clear
Specific Gravity	1.020		1.005-1.025
pH	5.0		5.0 - 8.0
Deposit	Present		Absent

Chemical Examination

Protein	Absent		Absent
Sugar	Absent		Absent
Ketones	Absent		Absent
Bile Salt	Absent		Absent
Bile Pigment	Absent		Absent
Urobilinogen	Normal		Normal

Microscopic Examination (/hpf)

Pus Cell	4-5		Upto 5
Epithelial Cells	2-4		Upto 5
Red Blood Cells	Absent		Absent
Casts	Absent		Absent
Crystals	Absent		Absent
Amorphous Deposit	Absent		Absent
Yeast Cells	Absent		Absent
Bacteria	Present		Absent
Other findings	Not seen		Not seen

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<u>BLOOD GROUP & RH TYPING</u>			
Blood Group (ABO typing) Method : Manual-Hemagglutination	"O"		
RhD Factor (Rh Typing) Method : Manual hemagglutination	Positive		

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Glycosylated HbA1c
HbA1c (GLYCOSYLATED HEMOGLOBIN)

5.9

%

Method : (HPLC, NGSP certified)

Estimated Average Glucose :

122.63

mg/dL

-

Interpretation

As per American Diabetes Association (ADA)	
Reference Group	HbA1c in %
Non diabetic adults >=18 years	<5.7
At risk (Prediabetes)	5.7 - 6.4
Diagnosing Diabetes	>= 6.5
Therapeutic goals for glycemic control	Age > 19 years Goal of therapy: < 7.0 Action suggested: > 8.0 Age < 19 years Goal of therapy: <7.5

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Test Description	Value(s)	Unit(s)	Reference Range
<u>THYROID PROFILE TEST - TOTAL</u>			
T3-Total	108.0	ng/dL	60 - 200
T4-Total	6.5	ug/dL	4.52 - 12.8
TSH-Ultrasensitive	3.19	uIU/mL	0.32 - 5.5
Method : CLIA			

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Test Description	Value(s)	Unit(s)	Reference Range
<u>LIPID PROFILE</u>			
Cholesterol-Total Method : Spectrophotometry	250.0	mg/dL	Desirable level < 200 Borderline High 200-239 High >or = 240
Triglycerides Method : Serum, Enzymatic, endpoint	148.0	mg/dL	Normal: < 150 Borderline High: 150-199 High: 200-499 Very High: >= 500
HDL Cholesterol Method : Serum, Direct measure-PEG	49.0	mg/dL	Normal: > 40 Major Risk for Heart: < 40
LDL Cholesterol Method : Enzymatic selective protection	171.40	mg/dL	Optimal < 100 Near / Above Optimal 100-129 Borderline High 130-159 High 160-189 Very High >or = 190
VLDL Cholesterol Method : Serum, Enzymatic	29.60	mg/dL	6 - 38
CHOL/HDL Ratio Method : Serum, Enzymatic	5.10		3.5 - 5.0
LDL/HDL Ratio Method : Serum, Enzymatic	3.50		2.5 - 3.5

Note:

8-10 hours fasting sample is required.


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Test Description	Value(s)	Unit(s)	Reference Range
<u>RENAL PROFILE</u>			
Urea Method : Uricase	15.0	mg/dL	19-42
Blood Urea Nitrogen-BUN Method : Serum, Urease	7.00	mg/dL	9-20
Creatinine Method : Serum, Jaffe	0.80	mg/dL	0.66-1.25
Uric Acid Method : Serum, Uricase	4.7	mg/dL	3.5-8.5

Remark:

In blood, Urea is usually reported as BUN and expressed in mg/dl. BUN mass units can be converted to urea mass units by multiplying by 2.14.

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Test Description	Value(s)	Unit(s)	Reference Range
<u>LIVER FUNCTION TEST</u>			
Total Protein	7.3	g/dL	6.3-8.2
Method : Serum, Biuret, reagent blank end point			
Albumin	4.0	g/dL	3.5-5.0
Method : Serum, Bromocresol green			
Globulin	3.30	g/dL	1.8 - 3.6
Method : Serum, EIA			
A/G Ratio	1.21		1.2 - 2.2
Method : Serum, EIA			
Bilirubin - Total	0.5	mg/dL	0.3-1.2
Method : Serum, Jendrassik Grof			
Bilirubin - Direct	0.1	mg/dL	< 0.2
Method : Serum, Diazotization			
Bilirubin - Indirect	0.40	mg/dL	0.1 - 1.0
Method : Serum, Calculated			
SGOT	18.0	U/L	17-59
Method : Serum, UV with P5P, IFCC 37 degree			
SGPT	30.0	U/L	21-72
Method : Serum, UV with P5P, IFCC 37 degree			
Alkaline Phosphatase	84.0	U/L	30 - 120
Method : PNPP-AMP Buffer/Kinetic			
GGT-Gamma Glutamyl Transpeptidase	31.0	U/L	< 55
Method : Serum, G-glutamyl-carboxy-nitroanilide			

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PSA-Total (Prostate-specific antigen-Total)
PSA Profile *

PSA (Prostate Specific Antigen)-Total	0.88	ng/mL	0 - 4.0
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Method : Serum, CLIA

Interpretation:

1. Increased levels are noted in Prostate cancer, Benign prostatic hypertrophy, Prostatitis

PSA (Prostate-Specific antigen)-Free *	-	ng/mL	0.0 - 0.5
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Method : Serum, CLIA

Interpretation & Remarks:

- Normal results do not eliminate the possibility of prostate cancer.
- Values obtained with different assay methods or kits may be different and cannot be used interchangeably.
- Tumor markers are not specific for malignancy. Test results cannot be interpreted as absolute evidence for the presence or absence of malignant disease
- Specimens drawn from patients undergoing prostate manipulation, especially needle biopsy and transurethral resection, may show erroneously high prostatic-specific antigen (PSA) results. Care should be taken that specimens are drawn before these procedures are performed.
- The percentage of free PSA can be used to estimate how likely it is that a biopsy will show cancer.
- If the percentage of free PSA is higher than 25%, the likelihood of prostate cancer is about 8%.
- If the percentage of free PSA is less than 10%, then the likelihood of prostate cancer rises to 56%.

Free PSA / Total PSA %	-	-
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Method : Serum

Interpretation

- When total prostate-specific antigen (PSA) concentration is <2.0 ng/mL, the probability of prostate cancer in asymptomatic men is low, further testing and free PSA may provide little additional information. When total PSA concentration is >10.0 ng/mL, the probability of cancer is high and prostate biopsy is generally recommended.
- The total PSA range of 4.0 to 10.0 ng/mL has been described as a diagnostic "gray zone," in which the free:total PSA ratio helps to determine the relative risk of prostate cancer (see table below). Therefore, some urologists recommend using the free:total ratio

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to help select which men should undergo biopsy. However even a negative result of prostate biopsy does not rule-out prostate cancer. Up to 20% of men with negative biopsy results have subsequently been found to have cancer.

Based on free:total PSA ratio: the percent probability of finding prostate cancer on a needle biopsy by age in years:

Free:total PSA ratio	50-59 years	60-69 years	> or =70 years
< or =0.10	49.2%	57.5%	64.5%
0.11-0.18	26.9%	33.9%	40.8%
0.19-0.25	18.3%	23.9%	29.7%
>0.25	9.1%	12.2%	15.8%

Cautions

- Normal results do not eliminate the possibility of prostate cancer.
- Values obtained with different assay methods or kits may be different and cannot be used interchangeably
- Tumor markers are not specific for malignancy. Test results cannot be interpreted as absolute evidence for the presence or absence of malignant disease.

Interfering factors :

- Prostatic massage
- Proctoscopy
- Prostatic biopsy
- Prostate cancer patients receiving treatment with antiandrogens and luteinizing hormone-releasing factor agonists may exhibit markedly decreased levels of PSA. Also, men treated for benign prostatic hyperplasia with inhibitors of 5-alpha-reductase (finasteride) may demonstrate a significant reduction in PSA levels compared to values before treatment. Care should be taken in interpreting values for these individuals.
- In patients receiving therapy with high biotin doses (ie, >5 mg/day), no sample should be taken until at least 8 hours after the last biotin administration.

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Test Description	Value(s)	Unit(s)	Reference Range
<u>GLUCOSE (F)</u>			
Glucose fasting Method : GOD-POD	87.0	mg/dL	Normal: 70 - 120

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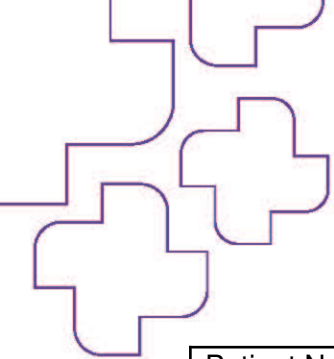
Sample ID :



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Test Description	Value(s)	Unit(s)	Reference Range
<u>GLUCOSE (PP)</u>			
Blood Glucose-Post Prandial Method : GOD-POD	117.0	mg/dL	80 - 140

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MD(Patho)



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Patient ID	142316	Sex	Male
Referral Dr	MEDIWHEEL	Study Date	23 Sep 2023

USG REPORT - ABDOMEN AND PELVIS

LIVER:

Is normal in size and shows increased echo texture.

No obvious focal lesion seen. No intra – Hepatic biliary radical dilatation seen.

GALL BLADDER:

Is adequately distended. No calculus or internal echoes are seen. Wall thickness is normal.

PANCREAS:

Appears normal in size and it shows uniform echo texture.

SPLEEN:

Is normal in size and shows uniform echogenicity.

RIGHT KIDNEY:

Right kidney measures ~ 10.4 x 4.4 cms.

The shape, size and contour of the right kidney appear normal.

Cortico medullary differentiation is within normal. No evidence of pelvicalyceal dilatation.

Multiple calculi seen, largest measuring ~ 8.3 mm in mid pole of right kidney.

LEFT KIDNEY:

Left kidney measures ~ 10.4 x 4.8 cms.

The shape, size and contour of the left kidney appear normal.

Cortico medullary differentiation is within normal. No evidence of pelvicalyceal dilatation.

Calculus of size measuring ~ 4 mm noted in upper pole of left kidney.

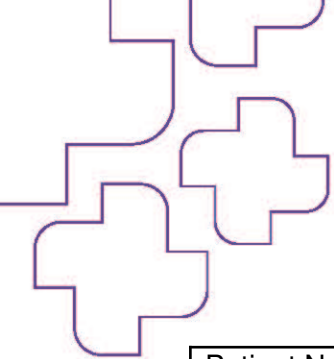
URINARY BLADDER:

Partially distended.

Is normal contour. No intra luminal echoes are seen.

PROSTATE:

Prostate appears normal, Measures ~ 2.9 x 3.9 x 2.9 cms (Vol – 18 cc).



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RIGHT ILIAC FOSSA:

No focal fluid collections seen.

No evidence of hernia seen in anterior abdominal wall.

IMPRESSION:

- **Grade I fatty liver.**
- **Bilateral renal calculi.**

Dr. Praveen Kumar., MDRD.,
Consultant Radiologist