



ભારત સરકાર

Government of India



Issue Date: 25/01/2018



ત્રિવેદી પ્રભાબેન કૃષ્ણકુમાર

Trivedi Prabhaben Krishnakumar

જન્મ તારીખ/DOB: 02/03/1972


સ્ત્રી/ FEMALE

9400 8971 6657

VID : 9138 7476 8273 7540

મારો આધાર, મારી ઓળખ



 GPS Map Camera



**Gandhinagar, Gujarat, India**

RAJA's, 520/1, Abhinav Society, Sector 23,  
Gandhinagar, Gujarat 382024, India

Lat 23.244178°

Long 72.651342°

25/06/22 08:07 AM





Patient Name : Prabhaben Trivedi  
Sample No.. : 6881  
Referred : Bank Of Baroda

Age/Sex : 49 Years/Female  
Registration On:25/06/2022/12:44  
Approved On :25/06/2022 16:13

## Thyroid Functions

<u>Test</u>	<u>Result</u>	<u>Normal Range</u>
T3-Triodothyronine	: <b>1.19</b> ng/ml	0.6 - 1.80 ng/ml
T4-Thyroxine	: <b>7.8</b> mcg/dl	4.5 - 10.9 mcg/dl
TSH Thyroid Stimulating Hormone	: <b>3.86</b> microIU/ml	0.35 - 5.55 microIU/ml

Comments :

### **COMMENTS :**

TSH levels may be affected by acute illness and drugs like doapamine and gluco corticoids.

Low or undetectable TSH is suggestive of Grave~s disease

TSH between 5.5 to 15.0 with normal T3 T4 indicates impaired thyroid hormone or subclinical hypothyroidism or normal T3 T4 with slightly low TSH suggests subclinical Hyperthyroidism.

TSH suppression does not reflect severity of hyperthyroidism therefore , measurement of FT3 ,FT4 is important.

FreeT3 is first hormone to increase in early Hyperthyroidism.

Only TSH level can prove to be misleading in patients on treatment. Therefore FreeT3 , FreeT4 along with TSH should be checked.

During pregnancy clinically T3 T4 can be high and TSH can be slightly low

A handwritten signature in black ink, appearing to read "D.K. Patel", is written over a light blue rectangular background.

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**PATHOLOGIST**  
**DR. D. K. PATEL**  
(M.D. Path)  
G- 11663



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## COMPLETE BLOOD COUNT

<u>Test</u>		<u>Sample :</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Ref. Interval</u>
<b><u>BLOOD COUNT</u></b>					
Hemoglobin	colorimetric		<u>10.8</u>	g/dL	12 - 15
R.B.C Count	Electrical impedance		<u>4.94</u>	mill/cmm	3.8 - 4.8
W.B.C Count	Electrical impedance		<u>8.3</u>	10 <sup>3</sup> /uL	4.0 - 10.0
Platelet Count	Electrical impedance		<u>297</u>	10 <sup>3</sup> /uL	150 - 450
<b><u>DIFFERENTIAL COUNT</u></b>					
Polymorphs	Microscopic		<u>54</u>	%	60 - 70
Lymphocytes	Microscopic		<u>40</u>	%	20 - 40
Eosinophils	Microscopic		<u>02</u>	%	1 - 6
Monocytes	Microscopic		<u>04</u>	%	2 - 10
Basophils	Microscopic		<u>00</u>	%	0 - 2
<b><u>BLOOD INDISES</u></b>					
HCT	Rbc Histogram		<u>35.1</u>	%	36 - 46
MCV	Calculated		<u>71.1</u>	fl	80 - 100
MCH	Calculated		<u>21.9</u>	pg	27 - 32
MCHC	Calculated		<u>30.8</u>	g/dl	32 - 36
RDW-CV	Calculated		<u>15.7</u>	%	10 - 16.5

### PERIPHERAL SMEAR EXAMINATION

SMEAR RBC Line 1: Mildly hypochromic , microcytic.

SMEAR Platelets: Adequate

### Erythrocyte sedimentation rate

ESR AT 1 hour      westergren      08      mm/Hour      00 - 20

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## BLOOD GROUP

<u>Test</u>	<u>Result</u>
BLOOD GROUP	: " B "
RH GROUP	: POSITIVE.

A handwritten signature in black ink, appearing to read "D.K. Patel", is written over a light blue rectangular background.

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## COMPLETE BLOOD CHEMISTRY

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Normal Range</u>
S. Cholesterol	: 209.30	mg/dl	Desirable : < 200 Borderline High : 200 - 239 High : > 240
Serum Triglycerides	: 188.74	mg/dl	Normal : Normal < 150 Borderline : 150 - 199 High : > 200
HDL Cholesterol	: 40.76	mg/dl	40 - 60 mg/dl
Serum LDL Cholesterol (Calculated)	: 130.79	mg/dl	Up to 150
Cholesterol/HDLC Ratio (Calculated)	: <b>5.13</b>	mg/dl	Up to 5.0
Serum VLDL Cholesterol (Calculated)	: <b>37.748</b>	mg/dl	Up to 35
LDLC/HDLC Ratio (Calculated)	: 3.21	mg/dl	Up to 3.4
Total Lipid (Calculated)	: 719.59	mg/dl	400 - 1000 mg/dl
S. Bilirubin (Total)	: 0.41	mg/dl	up to 1.2
S. Bilirubin (Direct)	: 0.16	mg/dl	up to 0.2
S. Bilirubin (Indirect)	: 0.25	mg/dl	up to 1.0
SGOT	: 34.84	U/L	up to 40
SGPT	: 35.56	U/L	up to 42
GGT	: <b>46.81</b>	U/L	09 - 36
S. Alkaline Phosphatase	: <b>220.79</b>	U/L	40 - 129
Total Proteins	: 6.47	g/dl	6.0 - 8.3
Albumin	: 4.08	g/dl	3.5 - 5.2
Globulins	: <b>2.39</b>	g/dl	2.4 - 3.7
AGRATIO	: 1.707		

*Signature*



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## Glycosylated HB - (HBA1C)

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Ref Interval</u>
<b>HBA1C:</b> (Immunoturbidimetric)	6.73	%	Normal : $\leq 5.6$ Prediabetes : 5.7 - 6.4 Diabetes : $\geq 6.5$ <b>DIABETES CONTROL CRITERIA</b> 6 - 7 : Near Normal Glycemia < 7 : Goal 7 - 8 : Good Control > 8 : Action Suggested
<b>Mean Blood Glucose:</b>	146.4	mg/dl	

### Criteria for the diagnosis of diabetes

- HbA1c  $\geq 6.5$  \*  
Or
- Fasting plasma glucose  $>126$  gm/dL. Fasting is defined as no caloric intake at least for 8 hrs.  
Or
- Two hour plasma glucose  $\geq 200$ mg/dL during an oral glucose tolerance test by using a glucose load containing equivalent of 75 gm anhydrous glucose dissolved in water.  
Or.
- In a patient with classic symptoms of hyperglycemia or hyperglycemic crisis, a random plasma glucose  $\geq 200$  mg/dL. \*In the absence of unequivocal hyperglycemia, criteria 1-3 should be confirmed by repeat testing. American diabetes association. Standards of medical care in diabetes 2011. Diabetes care 2011;34;S11.

#### Limitation of HbA1c

- In patients with Hb variants even analytically correct results do not reflect the same level of glycemic control that would be expected in patients with normal population. 2) Any cause of shortened erythrocyte survival or decreased mean erythrocyte survival or decreased mean erythrocyte age eg. hemolytic diseases, pregnancy, significant recent/chronic blood loss etc. will reduce exposure of RBC to glucose with consequent decrease in HbA1c values. 3) Glycated HbF is not detected by this assay and hence specimens containing high HbF ( $>10\%$ ) may result in lower HbA1c values than expected.

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## BLOOD SUGAR LEVEL

Specimen :

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Ref. Interval</u>
<b>Fasting Blood Sugar:</b> (GOD-POD)	101.5	mg/dl	70-110
<b>Post Prandial Blood Glucose:</b> 120.7 (GOD-POD)		mg/dl	100 - 150

American Diabetes Association Reference Range :

Normal : < 100 mg/dl

Impaired fasting glucose(Prediabetes) : 100 - 126 mg/dl

Diabetes : >= 126 mg/dl

Conditions that can result in an elevated blood glucose level include: Acromegaly, Acute stress (response to trauma, heart attack, and stroke for instance), Chronic kidney disease, Cushing syndrome, Excessive consumption of food, Hyperthyroidism, Pancreatitis. A low level of glucose may indicate hypoglycemia, a condition characterized by a drop in blood glucose to a level where first it causes nervous system symptoms (sweating, palpitations, hunger, trembling, and anxiety), then begins to affect the brain (causing confusion, hallucinations, blurred vision, and sometimes even coma and death). A low blood glucose level (hypoglycemia) may be seen with: Adrenal insufficiency, Drinking excessive

alcohol, Severe liver disease, Hypopituitarism, Hypothyroidism, Severe infections, Severe heart failure, Chronic kidney (renal) failure, Insulin overdose, Tumors that produce insulin (insulinomas), Starvation.

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*[Signature]*  
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## URINE EXAMINATION

### PHYSICAL :


Colour - **Pale Yellow**  
Deposits - **Absent**  
Transparency - **Clear**  
Reaction - **Acidic**  
Sp. Gravity - **1.006**

### CHEMICAL :

Albumin - **Absent**  
Sugar - **Absent**  
Bile Salts - **Absent**  
Bile Pigments - **Absent**

### MICROSCOPIC: ( After centrifugation at 2000 r.p.m. for 5 minutes )

Pus Cells - **Ocassional** /h.p.f.  
Red Cells - **Not seen** /h.p.f.  
Epithelial Cells - **1 - 2** /h.p.f.  
Casts - **Not seen**/l.p.f.  
Crystals - **Not seen**  
Amorphous - **Not seen**

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### Kidney Function Test

<u>Test</u>	<u>Result</u>	<u>Unit</u>	<u>Biological Ref. Interval</u>
S. Uric Acid:	<b>3.86</b>	mg/dl	2.4 - 6.2 mg/dl
Sr. Creatinine:	<b>0.59</b>	mg/dl	0.5 - 1.1 mg/dl
Urea:	<b>18.36</b>	mg/dl	10 - 50 mg/dl
BUN:	<b>8.58</b>	mg%	08 - 23 mg%
Bun/Creat Ratio:	<b>14.54</b>		

Intrinsic renal damage (< 40: 1)



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