Gandhinagar, Gujarat, India
RAJA's, 520/1, Abhinav Society, Sector 23,
Gandhinagar, Gujarat 382024, India
Lat 23.244228°
Long 72.651291°
25/06/22 08:56 AM

ભારત સરકાર
Government of India

દક્ષાબેન પરમાર
Daxaben Parmar

જન્મનું વર્ષ / Year of Birth : 1985

સ્ત્રી / Female

7798 6813 6925

આધાર – સામાન્ય માણસનો અધિકાર

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Patient Name	: Daxaben Durgesh Parmar	Age/Sex : 36 Years/Female	
Sample No..	: 6888	Registration On:25/06/2022/12:50	
Reffered	: Bank Of Baroda	Approved On :25/06/2022 16:17	

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THYROID FUNCTIONS

TEST	RESULT	UNIT	NORMAL VALUE
Serum T3 :	**1.18**	ng/dl	0.60 - 1.80 ng/dl
Serum T4 :	**7.4**	microgm/dl	4.50 - 10.9 microgm/dl
Serum T.S.H :	**3.04**	microU/ml	0.35 - 5.55 microU/ml

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

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(M.D. Path)
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diagnostic pathology laboratory

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COMPLETE BLOOD COUNT

Sample :

Test		Result	Unit	Biological Ref. Interval
BLOOD COUNT				
Hemoglobin	colorimetric	12.7	g/dL	12 - 15
R.B.C Count	Electrical impedance	4.49	mill/cmm	3.8 - 4.8
W.B.C Count	Electrical impedance	7.9	10³/uL	4.0 - 10.0
Platelet Count	Electrical impedance	281	10³/uL	150 - 450
DIFFERENTIAL COUNT				
Polymorphs	Microscopic	_56_	%	60 - 70
Lymphocytes	Microscopic	40	%	20 - 40
Eosinophils	Microscopic	01	%	1 - 6
Monocytes	Microscopic	03	%	2 - 10
Basophils	Microscopic	00	%	0 - 2
BLOOD INDISES				
HCT	Rbc Histogram	39.7	%	36 - 46
MCV	Calculated	88.4	fl	80 - 100
MCH	Calculated	28.3	pg	27 - 32
MCHC	Calculated	32	g/dl	32 - 36
RDW-CV	Calculated	15.6	%	10 - 16.5

PERIPHERAL SMEAR EXAMINATION

SMEAR RBC Line 1:   Normochromic normocytic red cells.

SMEAR Platelets: Adequate

Erythrocyte sedimentation rate
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ESR AT 1 hour	westergren	09	mm/Hour	00 - 20

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BLOOD GROUP

Test	Result
BLOOD GROUP	: "AB"
RH GROUP	: POSITIVE.

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COMPLETE BLOOD CHEMISTRY

Test	Result	Unit	Normal Range
S. Cholesterol	: 164.82	mg/dl	Desirable : < 200 Borderline High : 200 - 239 High : > 240
Serum Triglycerides	: *336.32*	mg/dl	Normal :Normal < 150 Borderline : 150 - 199 High : > 200
HDL Cholesterol	: _33.45_	mg/dl	40 - 60 mg/dl
Serum LDL Cholesterol (Calculated)	: 64.10	mg/dl	Up to 150
Cholesterol/HDLC Ratio (Calculated)	: 4.93	mg/dl	Up to 5.0
Serum VLDL Chlesterol (Calculated)	: *67.264*	mg/dl	Up to 35
LDLC/HDLC Ratio (Calculated)	: 1.92	mg/dl	Up to 3.4
Total Lipid (Calculated)	: 748.69	mg/dl	400 - 1000 mg/dl
S. Bilirubin (Total)	: 0.56	mg/dl	up to 1.2
S. Bilirubin (Direct)	: 0.18	mg/dl	up to 0.2
S. Bilirubin (Indirect)	: 0.38	mg/dl	up to 1.0
SGOT	: 39.19	U/L	up to 40
SGPT	: *59.43*	U/L	up to 42
GGT	: *64.58*	U/L	09 - 36
S.Alkaline Phosphatase	: 110.5	U/L	40 - 129
Total Proteins	: 6.39	g/dl	6.0 - 8.3
Albumin	: 4.15	g/dl	3.5 - 5.2
Globulins	: _2.24_	g/dl	2.4 - 3.7
AGRATIO	: 1.853		

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Glycosylated HB - (HBAIC)

Test	Result	Unit	Biological Ref Interval
HBA1C: (Immunoturbidimetric)	7.13	%	Normal : <= 5.6 Prediabetes : 5.7 - 6.4 Diabetes : > = 6.5 **DIABETES CONTROL CRITERIA** 6 - 7 : Near Normal Glycemia < 7 : Goal 7 - 8 : Good Control > 8 : Action Suggested
Mean Blood Glucose:	157.9	mg/dl	

Criteria for the diagnosis of diabetes

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

Limitation of HbA1c

1) 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 :

Test	Result	Unit	Biological Ref. Interval
Fasting Blood Sugar: (GOD-POD)	**102.0**	**mg/dl**	**70-110**

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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URINE EXAMINATION

PHYSICAL :

Colour	-	**Pale Yellow**
Deposits	-	**Absent**
Transparency	-	**Clear**
Reaction	-	**Acidic**
Sp. Gravity	-	**1.008**

CHEMICAL :

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

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

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

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Kidney Function Test

Test	Result	Unit	Biological Ref. Interval
S. Uric Acid:	**4.16**	mg/dl	2.4 - 6.2 mg/dl
Sr. Creatinine:	**0.50**	mg/dl	0.5 - 1.1 mg/dl
Urea:	**20.67**	mg/dl	10 - 50 mg/dl
BUN:	**9.66**	mg%	08 - 23 mg%
Bun/Creat Ratio:	**19.32**		

Intrinsic renal damage (< 40: 1)

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