A PIONEER DIAGNOSTIC CENTRE

🔽 0171-2532620, 8222896961 🛛 🖾 pkrjainhealthcare@gmail.com

AGE/ GENDER						
AGE/ GENDER	: 11 YRS/FEMALE	РАТ	TENT ID	: 1573272		
COLLECTED BY	:	REG	. NO./LAB NO.	: 122408070001		
REFERRED BY	: : 12504020 : P.K.R JAIN HEALTHCARE INSTITUTE		ISTRATION DATE	: 07/Aug/2024 08:38 AM : 07/Aug/2024 08:39AM		
BARCODE NO.			LECTION DATE			
CLIENT CODE.			ORTING DATE	: 07/Aug/2024 12:48PM		
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AI	MBALA CITY - HARYAN	NA			
Test Name		Value	Unit	Biological Reference interval		
				_		
	CLIN	ICAL CHEMISTRY	//BIOCHEMISTRY	Y		
		GLUCOSE FAS	STING (F)			
GLUCOSE FASTING (F): PLASMA 85.13 by GLUCOSE OXIDASE - PEROXIDASE (GOD-POD)		85.13	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0 DIABETIC: > 0R = 126.0		

A fasting plasma glucose level between 100 - 125 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prandial blood test (after consumption of 75 gms of glucose) is recommended for all such patients.
A fasting plasma glucose level of above 125 mg/dl is highly suggestive of diabetic state. A repeat post-prandial is strongly recommended for all such patients. A fasting plasma glucose level in excess of 125 mg/dl on both occasions is confirmatory for diabetic state.





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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY)

NOT VALID FOR MEDICO LEGAL PURPOSE

440 Dated 17.5.2012 u/s 80 G OF INCOME TAX ACT. PAN NO. AAAAP1600. **REPORT ATTRACTS THE CONDITIONS PRINTED OVERLEAF (P.T.O.)**





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NAME	: Baby. VERONICA				
AGE/ GENDER	: 11 YRS/FEMALE	PATIEN	ГID	: 1573272	
COLLECTED BY	:	REG. NO	./LAB NO.	: 122408070001	
REFERRED BY	:	REGISTRATION DATE COLLECTION DATE		: 07/Aug/2024 08:38 AM	
BARCODE NO.	: 12504020			: 07/Aug/2024 08:39AM	
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUT	TE Report	TING DATE	: 07/Aug/2024 01:30PM	
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBAL				
Test Name		Value	Unit	Biological Reference interval	
		ENDOCRINOL	JGY		
	тиур	OID ELINICTION T	INTOTAL		
	THYR	OID FUNCTION T	EST: TOTAL		
TRIIODOTHYRONINI by CMIA (CHEMILUMIN		1.231	EST: TOTAL ng/mL	0.35 - 1.93	
by CMIA (CHEMILUMIN THYROXINE (T4): SE	E (T3): SERUM IESCENT MICROPARTICLE IMMUNOASSAY)	1.231 8.02		0.35 - 1.93 4.87 - 13.20	
by CMIA (CHEMILUMIN THYROXINE (T4): SE by CMIA (CHEMILUMIN THYROID STIMULAT	E (T3): SERUM NESCENT MICROPARTICLE IMMUNOASSAY) RUM NESCENT MICROPARTICLE IMMUNOASSAY) ING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOASSAY)	1.231 8.02 0.925	ng/mL		

TSH levels are subject to circadian variation, reaching peak levels between 2-4 a.m and at a minimum between 6-10 pm. The variation is of the order of 50%. Hence time of the day has influence on the measured serum TSH concentrations. TSH stimulates the production and secretion of the metabolically active hormones, thyroxine (T4) and trilodothyronine (T3). Failure at any level of regulation of the hypothalamic-pituitary-thyroid axis will result in either underproduction (hypothyroidism) or overproduction(hyperthyroidism) of T4 and/or T3.

CLINICAL CONDITION	Т3	T4	TSH
Primary Hypothyroidism:	Reduced	Reduced	Increased (Significantly)
Subclinical Hypothyroidism:	Normal or Low Normal	Normal or Low Normal	High
Primary Hyperthyroidism:	Increased	Increased	Reduced (at times undetectable)
Subclinical Hyperthyroidism:	Normal or High Normal	Normal or High Normal	Reduced

LIMITATIONS:-

1. T3 and T4 circulates in reversibly bound form with Thyroid binding globulins (TBG), and to a lesser extent albumin and Thyroid binding Pre Albumin so conditions in which TBG and protein levels alter such as pregnancy, excess estrogens, androgens, anabolic steroids and glucocorticoids may falsely affect the T3 and T4 levels and may cause false thyroid values for thyroid function tests.

2. Normal levels of T4 can also be seen in Hyperthyroid patients with :T3 Thyrotoxicosis, Decreased binding capacity due to hypoproteinemia or ingestion of certain drugs (eg: phenytoin , salicylates).

3. Serum T4 levles in neonates and infants are higher than values in the normal adult , due to the increased concentration of TBG in neonate serum.

4. TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothroidism, pregnancy, phenytoin therapy.

TRIIODOTHYRONINE (T3)		THYROXINE (T4)		THYROID STIMULATING HORMONE (TSH)	
Age	Refferance Range (ng/mL)	Age	Refferance Range (µg/dL)	Age	Reference Range (μIU/mL)
0 - 7 Days	0.20 - 2.65	0 - 7 Days	5.90 - 18.58	0 - 7 Days	2.43 - 24.3
7 Days - 3 Months	0.36 - 2.59	7 Days - 3 Months	6.39 - 17.66	7 Days - 3 Months	0.58 - 11.00
3 - 6 Months	0.51 - 2.52	3 - 6 Months	6.75 - 17.04	3 Days – 6 Months	0.70 - 8.40





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BARCODE NO.	: 12504020	COLLECTION DATE	: 07/Aug/2024 08:39AM			
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITUTE	REPORTING DATE	: 07/Aug/2024 01:30PM			
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA					

Test Name			Value	Unit		Biolog	ical Reference interval
6 - 12 Months	0.74 - 2.40	6 - 12 Months	7.10 - 16.16	6 – 12 Months	0.70 - 7.00		
1 - 10 Years	0.92 - 2.28	1 - 10 Years	6.00 - 13.80	1 – 10 Years	0.60 - 5.50		
11- 19 Years	0.35 - 1.93	11 - 19 Years	4.87- 13.20	11 – 19 Years	0.50 - 5.50		
> 20 years (Adults)	0.35 - 1.93	> 20 Years (Adults)	4.87 - 12.60	> 20 Years (Adults)	0.35-5.50		
	RECO	MMENDATIONS OF TSH LI	EVELS DURING PREC	GNANCY (µIU/mL)			
1st Trimester			0.10 - 2.50				
2nd Trimester			0.20 - 3.00				
3rd Trimester			0.30 - 4.10				

INCREASED TSH LEVELS:

1.Primary or untreated hypothyroidism may vary from 3 times to more than 100 times normal depending upon degree of hypofunction.

2.Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis

4.DRUGS: Amphetamines, idonie containing agents & dopamine antagonist.

5.Neonatal period, increase in 1st 2-3 days of life due to post-natal surge

DECREASED TSH LEVELS:

1.Toxic multi-nodular goitre & Thyroiditis.

2. Over replacement of thyroid harmone in treatment of hypothyroidism.

3. Autonomously functioning Thyroid adenoma

4. Secondary pituatary or hypothalmic hypothyroidism

5. Acute psychiatric illness

6.Severe dehydration.

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis.

8.Pregnancy: 1st and 2nd Trimester



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REFERRED BY	:		REGISTRATION DATE	: 07/Aug/2024 08:38 AM	
BARCODE NO. : 12504020			COLLECTION DATE	: 07/Aug/2024 08:39AM	
CLIENT CODE.	: P.K.R JAIN HEALTHCAR	E INSTITUTE	REPORTING DATE	: 10/Aug/2024 10:26AM	
CLIENT ADDRESS	: NASIRPUR, HISSAR ROA	AD, AMBALA CITY - HA	RYANA		
Test Name		Value	Unit	Biological Reference interval	
		SPECIAL IN	VESTIGATIONS		
	INSU	JLIN GROWTH FAC	TOR - 1/SOMATOMED	DIN-C	
INTERPRETATION:	SERUM Nescence Immunoassay)	103 ^L	ng/mL	111.0 - 551.0	
serum IGF binding pr 4.In addition, derang 5.The mechanism be levels resulting from 6.Complete correctio 7.In the type I, II diab 8.In type I diabetes, I 9.At the same time, r 10.This reduction of 11.Increased release 12.At the same time, 13.In poorly controlle 14.In any kind of dial	otein (IGFBP)-1 levels, as w ements of the GH–IGF- I ax hind this imbalance in the G s.c. administration of insul n of the GH–IGF- I axis only etes, GH / IGF- I axis is abr iver resistant GH, leading th nore IGFBP-I are generated, IGF- I cause the feedback of of GH will lead to high bloc the reduction of IGF- I also ed type II diabetes, there w	ell as reduced serum le is have been associate iH-IGF- I axis in type in. y seems possible with normal, GH increased, ne liver IGF- I concent , IGFBP-I can play a role f growth hormone's de od sugar by antagonizi led to j growth retard ill be also a high releas ne control of blood sug	GF-I levels. d with hyperfiltration and I l diabetes has been sugges portal administration of in IGF-I reduced. rations decreased. e in binding to and inhibit IC crease. ng the function of insulin. ation of juvenile or young w e of GH, antagonising the e	ted to be due to relatively low portal insulin Isulin. GF- I .	
1.gigantism 2.acromegaly 3.pregnancy.					
DECREASED 1.growth hormone de 2.hypopituitarism.	eficiencies				
NOTE: IGF-1 may be normal	in 5-10 % cases of acrome	galy and 10-20 % cases	s of dwarfism.		
		*** End Of R	eport ***		
	am	-	shopra		

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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

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