A PIONEER DIAGNOSTIC CENTRE

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

NAME	: Mrs. RITU				
AGE/ GENDER	: 31 YRS/FEMALE		PATIENT ID	: 1588839	
COLLECTED BY	:	REG. NO./LAB NO.		: 122408230013	
REFERRED BY	Y :		REGISTRATION DATE	: 23/Aug/2024 12:38 PM	
BARCODE NO.	: 12504278	COLLECTION DATE		: 23/Aug/2024 12:51PM	
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITU			: 23/Aug/2024 03:04PM	
CLIENT ADDRESS				. 23/ Aug/ 2024 03.04PM	
Test Name		Value	Unit	Biological Reference interval	
		HAEN	MATOLOGY		
	CON	/IPLETE B	LOOD COUNT (CBC)		
RED BLOOD CELLS (F	RBCS) COUNT AND INDICES				
HAEMOGLOBIN (HB by CALORIMETRIC)	13.1	gm/dL	12.0 - 16.0	
RED BLOOD CELL (RE		4.39	Millions/c	mm 3.50 - 5.00	
by HYDRO DYNAMIC F PACKED CELL VOLUN	FOCUSING, ELECTRICAL IMPEDENCE	38.1	%	37.0 - 50.0	
	AUTOMATED HEMATOLOGY ANALYZER	30.1	70	37.0 - 30.0	
MEAN CORPUSCULAR VOLUME (MCV)		86.8	KK fL	80.0 - 100.0	
by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER					
MEAN CORPUSCULAR HAEMOGLOBIN (MCH) by CALCULATED BY AUTOMATED HEMATOLOGY ANALYZER		29.7	pg	27.0 - 34.0	
	R HEMOGLOBIN CONC. (MCHC)	34.3	g/dL	32.0 - 36.0	
	AUTOMATED HEMATOLOGY ANALYZER				
	TON WIDTH (RDW-CV)	13.8	%	11.00 - 16.00	
	TION WIDTH (RDW-SD)	46.6	fL	35.0 - 56.0	
by CALCULATED BY A	AUTOMATED HEMATOLOGY ANALYZER				
MENTZERS INDEX by CALCULATED		19.77	RATIO	BETA THALASSEMIA TRAIT: < 13.	
GREEN & KING INDE	-v	27.16	RATIO	IRON DEFICIENCY ANEMIA: >13. BETA THALASSEMIA TRAIT:<= 65	
by CALCULATED		27.10	KATIO	IRON DEFICIENCY ANEMIA: > 65.	
WHITE BLOOD CELL	<u>S (WBCS)</u>				
TOTAL LEUCOCYTE C		5910	/cmm	4000 - 11000	
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY				
DIFFERENTIAL LEUC	<u>OCYTE COUNT (DLC)</u>				
NEUTROPHILS		57	%	50 - 70	
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	20	0/	20 - 40	
	Y BY SF CUBE & MICROSCOPY	38	%	20 - 40	
EOSINOPHILS		0 ^L	%	1 - 6	
by FLOW CYTOMETR	Y BY SF CUBE & MICROSCOPY	v			



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA CITY - H		ARYANA	. 20/ 145/ 2024 00.041 W	
Test Name		Value	Unit	Biological Reference interval	
MONOCYTES		5	%	2 - 12	
BASOPHILS	y by sf cube & microscopy y by sf cube & microscopy /TES (WBC) COUNT	0	%	0 - 1	
ABSOLUTE NEUTRO		3369	/cmm	2000 - 7500	
ABSOLUTE LYMPHO	y by sf cube & microscopy CYTE COUNT y by sf cube & microscopy	2246 ^L	/cmm	800 - 4900	
ABSOLUTE EOSINOP		OL	/cmm	40 - 440	
ABSOLUTE MONOCY		296	KR /cmm	80 - 880	
,	Y BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110	
PLATELETS AND OTI	HER PLATELET PREDICTIVE MARKE	<u>RS.</u>			
PLATELET COUNT (P		101000 ^L	/cmm	150000 - 450000	
PLATELETCRIT (PCT)	FOCUSING, ELECTRICAL IMPEDENCE	0.16	%	0.10 - 0.36	
MEAN PLATELET VO		15 ^H	fL	6.50 - 12.0	
PLATELET LARGE CEL		62000	/cmm	30000 - 90000	
PLATELET LARGE CE	LL RATIO (P-LCR) FOCUSING, ELECTRICAL IMPEDENCE	61.9 ^H	%	11.0 - 45.0	
PLATELET DISTRIBU		16.3	%	15.0 - 17.0	



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:		REGISTRATION DATE	: 23/Aug/2024 12:38 PM
: 12504278		COLLECTION DATE	: 23/Aug/2024 12:51PM
: P.K.R JAIN HEALTHCARE INSTITUTE		REPORTING DATE	: 23/Aug/2024 02:06PM
: NASIRPUR, HISSAR ROAD, AM	IBALA CITY - H	IARYANA	
	Value	Unit	Biological Reference interval
ERYTH	ROCYTE SED	DIMENTATION RATE (ESF	?)
MENTATION RATE (ESR) RGREN AUTOMATED METHOD	21 ^H	mm/1st h	r 0-20
	: 31 YRS/FEMALE : : : 12504278 : P.K.R JAIN HEALTHCARE INST : NASIRPUR, HISSAR ROAD, AM ERYTH	: 31 YRS/FEMALE : : : 12504278 : P.K.R JAIN HEALTHCARE INSTITUTE : NASIRPUR, HISSAR ROAD, AMBALA CITY - H Value ERYTHROCYTE SEE MENTATION RATE (ESR) 21 ^H	: 31 YRS/FEMALE PATIENT ID : 31 YRS/FEMALE REG. NO./LAB NO. : REGISTRATION DATE : 12504278 COLLECTION DATE : 12504278 COLLECTION DATE : P.K.R JAIN HEALTHCARE INSTITUTE REPORTING DATE : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA Value Unit ERYTHROCYTE SEDIMENTATION RATE (ESF MENTATION RATE (ESR) 21 ^H mm/1st h

1. ESR is a non-specific test because an elevated result often indicates the presence of inflammation associated with infection, cancer and autoimmune disease, but does not tell the health practitioner exactly where the inflammation is in the body or what is causing it. 2. An ESR can be affected by other conditions besides inflammation. For this reason, the ESR is typically used in conjunction with other test such

as C-reactive protein

3. This test may also be used to monitor disease activity and response to therapy in both of the above diseases as well as some others, such as systemic lupus erythematosus

CONDITION WITH LOW ESR

A low ESR can be seen with conditions that inhibit the normal sedimentation of red blood cells, such as a high red blood cell count

(polycythaemia), significantly high white blood cell count (leucocytosis), and some protein abnormalities. Some changes in red cell shape (such as sickle cells in sickle cell anaemia) also lower the ESR.

NOTE:

1. ESR and C - reactive protein (C-RP) are both markers of inflammation.

2. Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.

 3. CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 4. If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 5. Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while explicit contraceptives are the process. aspirin, cortisone, and quinine may decrease it



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CLIENT CODE.	: P.K.R JAIN HEALTHCARE IN	STITUTE REP	DRTING DATE	: 23/Aug/2024 04:42PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYAN	A	
Test Name		Value	Unit	Biological Reference interval
	CLIN	IICAL CHEMISTRY GLUCOSE RAN		(
GLUCOSE RANDOM by GLUCOSE OXIDAS	(R): PLASMA E - PEROXIDASE (GOD-POD)	180.88 ^H	mg/dL	NORMAL: < 140.00 PREDIABETIC: 140.0 - 200.0 DIABETIC: > 0R = 200.0
1. A random plasma	H AMERICAN DIABETES ASSOCIA glucose level below 140 mg/dl i level between 140 - 200 mg/dl i	s considered normal.	intolerant or prediab	etic. A fasting and post-prnadial blood tes

(after consumption of 75 gms of glucose) is recommended for all such patients. 3. A random glucose level of above 200 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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



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CLIENT CODE.	: P.K.R JAIN HEALTHCARE IN		EPORTING DATE	: 23/Aug/2024 05:49PM		
CLIENT ADDRESS				. 20, 1145, 202 100 101 101	. 20/ Aug/ 2024 03.49FM	
Test Name		Value	Unit	Biological Reference	e interval	
	ТНУ	ENDOCRI ROID STIMULATI	INOLOGY NG HORMONE (TSH))		
by CMIA (CHEMILUMI	TING HORMONE (TSH): SERUM	ROID STIMULATI 4.286		0.35 - 5.50		
by CMIA (CHEMILUMI 3rd GENERATION, ULT	TING HORMONE (TSH): SERUM Nescent microparticle immunoa t rasensitive	ROID STIMULATI 4.286	NG HORMONE (TSH) μIU/mL	0.35 - 5.50		
by CMIA (CHEMILUMI Brd GENERATION, ULT	TING HORMONE (TSH): SERUM Nescent microparticle immunoa trasensitive AGE	ROID STIMULATI 4.286	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE	0.35 - 5.50 (µlU/mL)		
by CMIA (CHEMILUMI Brd GENERATION, ULT	TING HORMONE (TSH): SERUM Nescent microparticle immunoa t rasensitive	ROID STIMULATI 4.286	NG HORMONE (TSH) μIU/mL	0.35 - 5.50 (μlU/mL)		
by CMIA (CHEMILUMI and GENERATION, ULT	TING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOA TRASENSITIVE AGE 0 – 5 DAYS	ROID STIMULATI 4.286	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE	0.35 - 5.50 (µlU/mL)		
by CMIA (CHEMILUMI Brd GENERATION, ULT	TING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOA TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years	ROID STIMULATI 4.286	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE 0.70 – 15.20 0.70 – 11.00	0.35 - 5.50 (µlU/mL)		
by CMIA (CHEMILUMI Brd GENERATION, ULT	TING HORMONE (TSH): SERUM VESCENT MICROPARTICLE IMMUNOA TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ROID STIMULATI 4.286	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	0.35 - 5.50		
by CMIA (CHEMILUMI Brd GENERATION, ULT	TING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOA TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	ROID STIMULATI 4.286	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50	0.35 - 5.50		
by CMIA (CHEMILUMI Brd GENERATION, ULT	TING HORMONE (TSH): SERUM VESCENT MICROPARTICLE IMMUNOA TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	ROID STIMULATI 4.286 ASSAY)	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	0.35 - 5.50		
by CMIA (CHEMILUMI Brd GENERATION, ULT	TING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOA TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ROID STIMULATI 4.286	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50	0.35 - 5.50		
by CMIA (CHEMILUMI 3rd GENERATION, ULT	TING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOA TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15	ROID STIMULATI 4.286 ASSAY)	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50	0.35 - 5.50		
	TING HORMONE (TSH): SERUM NESCENT MICROPARTICLE IMMUNOA TRASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	ROID STIMULATI 4.286 ASSAY)	NG HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50	0.35 - 5.50		

of the order of 50 %. Hence time of the day has influence on the measured serum TSH concentration. USE:- TSH controls biosynthesis and release of thyroid harmones T4 & T3. It is a sensitive measure of thyroid function, especially useful in early

or subclinical hypothyroidism, before the patient develops any clinical findings or goitre or any other thyroid function abnormality.

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

2. Hypothyroid patients receiving insufficient thyroid replacement therapy.

3.Hashimotos thyroiditis.

4.DRUGS: Amphetamines, Iodine containing agents and dopamine antagonist.

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

DECREASED 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.



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Test Name

Biological Reference interval

7.DRUGS: Glucocorticoids, Dopamine, Levodopa, T4 replacement therapy, Anti-thyroid drugs for thyrotoxicosis. 8.Pregnancy: 1st and 2nd Trimester

Value

LIMITATIONS:

1.TSH may be normal in central hypothyroidism, recent rapid correction of hyperthyroidism or hypothyroidism, pregnancy, phenytoin therapy. 2.Autoimmune disorders may produce spurious results.





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CLIENT ADDRESS	: NASIRPUR, HISSA	AR ROAD, AMBALA CITY - H	ARYANA	
Test Name		Value	Unit	Biological Reference interval
		LUTEINISIN	G HORMONE (LH)	
LUTEINISING HORMC		4.05 SLE IMMUNOASSAY)	mlU/mL	MALES: 1.0 -12.5 FOLLICULAR PHASE: 1.2 - 12.7 MID-CYCLE PEAK: 15.5 - 90.0 LUTEAL PHASE: 0.50 - 14.6 POST MENOPAUSAL: 15.6 - 72.0
hormone from the hyp 2. In both males and finto a follicular phase 3. This "LH surge" trig luteum that, in turn, p 4. LH supports thecal interstitial cells of Ley The test is useful in th 1. An adjunctin the ev 2. Evaluating patients 3. Predicting ovulation 4. Diagnosing pituitar 5. In both males and filevels. FSH AND LH ELEVTED I 1. Primary gonadal fa 2. Complete testicular 3. Precocious puberty 4. Menopause 5. Primary ovarian hyp 6. Polycystic ovary dis 7. Primary hypogonac LH IS DECREASED IN: 1. Primary hypergona NOTE	bothalamus controls emales, LH is essent and a luteal phase gers ovulation there roduces progestero cells in the ovary th dig to cause increase e following situation aluation of menstru with suspected hyp the Evaluating infer y disorders emales, primary hy N: ilure feminization syndra (either idiopathic of the distribution in fer lease in females lism in males oper function in fermal dism in males	the secretion of the gonade ial for reproduction. In fem eby not only releasing the e ne to prepare the endometr at provide androgens and h sed synthesis of testosteron s: ual irregularities. ogonadism tility pogonadism results in an el ome or secondary to a central ne	otropins, FSH and LH, from th ales, the menstrual cycle is d gg, but also initiating the cor fum for a possiblei mplantati formonal precursors for estra e.	livided by a mid cycle surge of both LH and FSH aversion of the residual follicle into a corpus

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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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CLIENT CODE.	: P.K.R JAIN HEALTHCARE INST	ITUTE RE	PORTING DATE	: 23/Aug/2024 05:26PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AM	BALA CITY - HARYA	ANA	
Test Name		Value	Unit	Biological Reference interval
	FOLLI		IG HORMONE (FSH)	
	NG HORMONE (FSH): SERUM ESCENCE IMMUNOASSAY)	7.4	mlU/mL	FEMALE FOLLICULAR PHASE: 2.5 11.4 FEMALE MID-CYCLE PEAK: 3.3 - 21.7 FEAMLE LUTEAL PHASE: 1.2 - 7.0 FEMALE POST-MENOPAUSAL: 18 - 132 MALE: 1.0 - 12.1
 Evaluating patients Predicting ovulatio Evaluating infertilit Diagnosing pituitar In both males and f (LH) levels. FSH and LH LEVELS ELI Primary gonadal fa 	y y disorders emales, primary hypogonadism r EVATED IN: ilure feminization syndrome. (either idiopathic or secondary t	esults in an elevati		ulating hormone (FSH) and luteinizing hormo

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CLIENT CODE.	: P.K.R JAIN HEALTHCARE INS'	TITUTE REP	ORTING DATE	: 23/Aug/2024 05:27PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AN	IBALA CITY - HARYAN	IA	
Test Name		Value	Unit	Biological Reference interval
		PROLAC	TIN	
PROLACTIN: SERUM		11.149	ng/mL	3 - 25
	ESCENT MICROPARTICLE IMMUNOAS		ing/inc	0 20
2.Functional and orga 3.Primary hypothyroi 4.Section compressio 5.Chest wall lesions a 6.Ectopic tumors. 7.DRUGS:- Anti-Dopa receptors, or seroton ,Opiates, High doses SIGNIFICANCE: 1.In loss of libido, impo from decreased music 3. In males, prolactin 5.Clear symptoms an- 4. Mild to moderately	n of the pituitary stalk. and renal failure. minergic drugs like antipsychotic in reuptake (anti-depressants of of estrogen or progesterone, anti actorrhea, oligomHyperprolactir tence, infertility, and hypogonac cle mass and osteoporosis. levels >13 ng/mL are indicative of in levels >27 ng/mL in the absence d signs of hyperprolactinemia are	s. drugs, antinausea/ant all classes, ergot deriv iconvulsants (valporic memia often results end lism in males. Postmer hyperprolactinemia. of pregnancy and postp e often absent in patier ctin are not a reliable of	iemetic drugs, Drugs vatives, some illegal c acid), anti-tuberculou prrhea or amenorrhea nopausal and premen partum lactation are in nts with serum prolac guide for determining	that affect CNS serotonin metabolism, seroto lrugs such as cannabis), Antihypertensive dru is medications (Isoniazid). a, and infertility in premenopausal females. opausal women, as well as men, can also suff <i>dicative of hyperprolactinemia.</i> tin levels <100 ng/mL.
Prolactin values that	exceed the reference values may d symptoms of hyperprolactinem	be due to macroprola ia are absent, or pituit	actin (prolactin bound ary imaging studies a	to immunoglobulin). Macroprolactin should re not informative.
	*	** End Of Repor	t ***	

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Page 9 of 9