A PIONEER DIAGNOSTIC CENTRE

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

NAME	: Mr. BALWINDER SINGH			
AGE/ GENDER	: 66 YRS/MALE		PATIENT ID	: 1543020
COLLECTED BY	:		REG. NO./LAB NO.	: 122407090009
REFERRED BY	:		REGISTRATION DATE	: 09/Jul/2024 09:14 AM
BARCODE NO.	: 12503502		COLLECTION DATE	: 09/Jul/2024 09:30AM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITU	JTE	REPORTING DATE	:09/Jul/2024 12:56PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBA	LA CITY - HA	ARYANA	
Test Name		Value	Unit	Biological Reference interval
		HAEM	IATOLOGY	
	CON		OOD COUNT (CBC)	
RED BLOOD CELLS (R	BCS) COUNT AND INDICES			
HAEMOGLOBIN (HB)		13.8	gm/dL	12.0 - 17.0
RED BLOOD CELL (RB		4.42	Millions/cn	nm 3.50 - 5.00
PACKED CELL VOLUM	DCUSING, ELECTRICAL IMPEDENCE E (PCV) JTOMATED HEMATOLOGY ANALYZER	40.4	%	40.0 - 54.0
MEAN CORPUSCULAF		91.3	KK fL	80.0 - 100.0
MEAN CORPUSCULAR	R HAEMOGLOBIN (MCH) JTOMATED HEMATOLOGY ANALYZER	31.3	pg	27.0 - 34.0
MEAN CORPUSCULAR	R HEMOGLOBIN CONC. (MCHC)	34.3	g/dL	32.0 - 36.0
RED CELL DISTRIBUTI	ON WIDTH (RDW-CV) JTOMATED HEMATOLOGY ANALYZER	14.5	%	11.00 - 16.00
RED CELL DISTRIBUTI	ON WIDTH (RDW-SD) JTOMATED HEMATOLOGY ANALYZER	51.3	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		20.66	RATIO	BETA THALASSEMIA TRAIT: < 13.0 IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING INDEX by CALCULATED	(30.03	RATIO	BETA THALASSEMIA TRAIT: < = 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CELLS	<u>(WBCS)</u>			
TOTAL LEUCOCYTE CO by FLOW CYTOMETRY DIFFERENTIAL LEUCO	BY SF CUBE & MICROSCOPY	12940 ^H	/cmm	4000 - 11000
NEUTROPHILS	BY SF CUBE & MICROSCOPY	85 ^H	%	50 - 70
LYMPHOCYTES	BY SF CUBE & MICROSCOPY	11 ^L	%	20 - 40



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT

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DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST



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Test Name		Value	Unit	Biological Reference interval	
EOSINOPHILS by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	OL	%	1-6	
MONOCYTES by FLOW CYTOMETRY	BY SF CUBE & MICROSCOPY	4	%	2 - 12	
-	BY SF CUBE & MICROSCOPY	0	%	0 - 1	
ABSOLUTE LEUKOCY	TES (WBC) COUNT				
ABSOLUTE NEUTROP by FLOW CYTOMETRY	HIL COUNT y by sf cube & microscopy	10999 ^H	/cmm	2000 - 7500	
ABSOLUTE LYMPHOC by FLOW CYTOMETRY	YTE COUNT BY SF CUBE & MICROSCOPY	1423 ^L	/cmm	800 - 4900	
ABSOLUTE EOSINOPI		0 ^L	/cmm	40 - 440	
ABSOLUTE MONOCY	Y BY SF CUBE & MICROSCOPY TE COUNT BY SF CUBE & MICROSCOPY	518	/cmm	80 - 880	
ABSOLUTE BASOPHIL		0	/cmm	0 - 110	
PLATELETS AND OTH	ER PLATELET PREDICTIVE MARKE	RS.			
PLATELET COUNT (PL by hydro dynamic fo	T) DCUSING, ELECTRICAL IMPEDENCE	156000	/cmm	150000 - 450000	
PLATELETCRIT (PCT)	OCUSING, ELECTRICAL IMPEDENCE	0.2	%	0.10 - 0.36	
MEAN PLATELET VOL by HYDRO DYNAMIC F	UME (MPV) OCUSING, ELECTRICAL IMPEDENCE	13 ^H	fL	6.50 - 12.0	
PLATELET LARGE CEL	L COUNT (P-LCC) DCUSING, ELECTRICAL IMPEDENCE	74000	/cmm	30000 - 90000	
PLATELET LARGE CEL	L RATIO (P-LCR) OCUSING, ELECTRICAL IMPEDENCE	47.6 ^H	%	11.0 - 45.0	
	ION WIDTH (PDW) DCUSING, ELECTRICAL IMPEDENCE CTED ON EDTA WHOLE BLOOD	16.8	%	15.0 - 17.0	



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Test Name		Value	Unit	Biological Reference interval	
	CLIN		RY/BIOCHEMISTR	1	
		KIDNEY FUNCT	ION TEST (BASIC)		
UREA: SERUM by UREASE - GLUTAM	ATE DEHYDROGENASE (GLDH)	45.38	mg/dL	10.00 - 50.00	
CREATININE: SERUN by ENZYMATIC, SPEC		1.28	mg/dL	0.40 - 1.40	
BLOOD UREA NITRO	GEN (BUN): SERUM	21.21	mg/dL	7.0 - 25.0	
RATIO: SERUM	GEN (BUN)/CREATININE	16.57 ^H	RATIO	10.0 - 20.0	
UREA/CREATININE R		35.45	RATIO		
URIC ACID: SERUM by URICASE - OXIDAS	E PEROXIDASE	7.41	mg/dL	3.60 - 7.70	



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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.)**



Page 3 of 7

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Test Name		Value	Unit	Biological Reference interval
INCREASED RATIO (>2 1.Prerenal azotemia glomerular filtration 2.Catabolic states wi 3.Gl hemorrhage. 4.High protein intake 5.Impaired renal fun 6.Excess protein inta burns, surgery, cache 7.Urine reabsorption 8.Reduced muscle m 9.Certain drugs (e.g. INCREASED RATIO (< 1.Postrenal azotemia 2.Prerenal azotemia 2.Prerenal azotemia 3.Severe liver disease 4.Other causes of de 5.Repeated dialysis (6.Inherited hyperam 7.SIADH (syndrome c 8.Pregnancy. DECREASED RATIO (< 1.Phenacimide theraa 2.Rhabdomyolysis (r 3.Muscular patients INAPPROPIATE RATIO 5.Nould produce an ir	rate. th increased tissue breakdown. th increased tissue breakdown. ke or production or tissue breakdo xia, high fever). (e.g. ureterocolostomy) ass (subnormal creatinine product tetracycline, glucocorticoids) 20:1) WITH ELEVATED CREATININE L (BUN rises disproportionately mo superimposed on renal disease. 10:1) WITH DECREASED BUN : osis. d starvation. 2. creased urea synthesis. urea rather than creatinine diffuse monemias (urea is virtually absent of inappropiate antidiuretic harmor 10:1) WITH INCREASED CREATININE py (accelerates conversion of creat eleases muscle creatinine). who develop renal failure.	own (e.g. infection, GI b tion) EVELS: re than creatinine) (e.g t in blood). ne) due to tubular secre tine to creatinine). ease in creatinine with	leeding, thyrotoxicc obstructive uropat luid).	hydration, blood loss) due to decreased osis, Cushings syndrome, high protein diet, hy).





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				. 09/ Jul/ 2024 01:38	E 1 M
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBA	LA CITY - HA	RYANA		
Test Name		Value	Unit	Biological	Reference interval
		ENDOC	RINOLOGY		
	THYROI)	
		STIMULA	TING HORMONE (TSH)		
by CMIA (CHEMILUMIN	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAN) STIMULA 3.587) 0.35 - 5.50	
	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAN) STIMULA 3.587	TING HORMONE (TSH)		
by CMIA (CHEMILUMIN Brd GENERATION, ULT)	NG HORMONE (TSH): SERUM escent microparticle immunoassa) rasensittve AGE) STIMULA 3.587	TING HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.35 - 5.50 (μIU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM escent microparticle immunoassa) rasensittve AGE 0 – 5 days) STIMULA 3.587	TING HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20	0.35 - 5.50 (μΙU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSA RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months) STIMULA 3.587	TING HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00	0.35 - 5.50 (μΙU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAY RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months) STIMULA 3.587	TING HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40	0.35 - 5.50 (μΙU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAY RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years) STIMULA 3.587	TING HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	0.35 - 5.50 (µIU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAY RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years) STIMULA 3.587	TING 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 (µIU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAY RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years) STIMULA 3.587	TING HORMONE (TSH) μIU/mL REFFERENCE RANGE (0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	0.35 - 5.50 (µIU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAY RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)) STIMULA 3.587	TING 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 (µIU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAY RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	STIMULA 3.587	REFFERENCE RANGE (0.70 - 15.20 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 0.10 - 3.00	0.35 - 5.50 (µIU/mL)	
by CMIA (CHEMILUMIN Brd GENERATION, ULTI INTERPRETATION:	NG HORMONE (TSH): SERUM ESCENT MICROPARTICLE IMMUNOASSAY RASENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	STIMULA 3.587	REFFERENCE RANGE (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 (µIU/mL)	

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, lodine 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
 Value
 Unit
 Biological Reference interval

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

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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PKR JAIN HEALTHCARE INSTITUTE NASIRPUR, Hissar Road, AMBALA CITY- (Haryana) A PIONEER DIAGNOSTIC CENTRE

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	AMBALA CITY - HARYAN	A	:09/Jul/20240	04:16PM
: NASIRPUR, HISSAR ROAD, A				
	Value	11 14		
		Unit	Biolo	gical Reference interval
IN	/IMUNOPATHOLO	GY/SEROLOGY		
RHEUMA	TOID FACTOR (RA): (QUANTITATIVE - S	ERUM	
CTOR QUANTITATIVE:	58.56 ^H	IU/mL	BORE	\TIVE: < 18.0)ERLINE: 18.0 - 25.0 [IVE: > 25.0
is is a systemic autoimmune vium) joints which ledas to p from small to large joints, wi is primarily based on clinical, tor. /E):- fic for Rheumatoid arthiritis, au rheumatoid arthritis (RA) pop reactive titer and 8% of nonrhe nonrheumatoid diseases, chara olymyositis, tuberculosis, syph iscovered in joints of patients actor. s with Seronegative Rheumato e value of Anti-CCP antibodies	progressive joint destruct th greatest damage in ea radiological & immunol s it is often present in hea ulations are not clearly se eumatoid patients have a acterized by chronic inflar ilis, viral hepatitis, infectio with RA, but not in other i id arthiritis also show Am	tion and in most cases inly phase. ogical features.The m barate with regard to a positive titer). Inmation may have pos ous mononucleosis, and form of joint disease.An ti-CCP antibodies. is far greater than Rhe	s to disability and nost frequent serve ther autoimmune the presence of rh dirfluenza. nti-CCP2 is HIGHL	l reduction of quality life. blogical test is the diseases and chronic infectic eumatoid factor (RF) (15% o These diseases include syster
	(RA): (RA): (RF) are antibodies that are d s with rheumatoid arthritis (R not be etiologically related to rs such as ESR & C-Reactive p lates poorly with disease active diagnosis and prognosis of r IS: is is a systemic autoimmune byium) joints which ledas to p from small to large joints, wi is primarily based on clinical, tor. VE):- fic for Rheumatoid arthritis, and rheumatoid arthritis (RA) pool reactive titer and 8% of nonrheumatoid arthritis (RA) pool reactive titer and 8% of nonrheumatoid diseases, chara olymyositis, tuberculosis, syphiliscovered in joints of patients factor. s with Seronegative Rheumator re value of Anti-CCP antibodies	(RA): (RA): (RF) are antibodies that are directed against the Fc fra s with rheumatoid arthritis (RA) have an IgM antibody not be etiologically related to RA. rs such as ESR & C-Reactive protein (CRP) are normal is lates poorly with disease activity, but those patients we diagnosis and prognosis of rheumatoid arthritis. IS: is is a systemic autoimmune disease that is multi-funct ovium) joints which ledas to progressive joint destruct from small to large joints, with greatest damage in ea- is primarily based on clinical, radiological & immunol tor. VE):- fic for Rheumatoid arthritis, as it is often present in hea- rheumatoid arthritis (RA) populations are not clearly sep- reactive titer and 8% of nonrheumatoid patients have a nonrheumatoid diseases, characterized by chronic inflan- olymyositis, tuberculosis, syphilis, viral hepatitis, infection liscovered in joints of patients with RA, but not in other fractor. s with Seronegative Rheumatoid arthiritis also show Anti- re value of Anti-CCP antibodies for Rheumatoid Arthritis	ACTOR QUANTITATIVE: 58.56 ^H IU/mL (RA): (RF) are antibodies that are directed against the Fc fragment of IgG altered is with rheumatoid arthritis (RA) have an IgM antibody to IgG immunoglobul not be etiologically related to RA. Immunoglobul for the etiologically related to RA. Frs such as ESR & C-Reactive protein (CRP) are normal in about 60 % of patients poorly with disease activity, but those patients with high titers tend to diagnosis and prognosis of rheumatoid arthritis. IS: IS: is is a systemic autoimmune disease that is multi-functional in origin and is ovium) joints which ledas to progressive joint destruction and in most cases from small to large joints, with greatest damage in early phase. is primarily based on clinical, radiological & immunological features. The most case for Rheumatoid arthritis, as it is often present in healthy individuals with our rheumatoid arthritis (RA) populations are not clearly separate with regard to a reactive titer and 8% of nonrheumatoid patients have a positive titer). nonrheumatoid diseases, characterized by chronic inflammation may have positis, tuberculosis, syphilis, viral hepatitis, infectious mononucleosis, and iscovered in joints of patients with RA, but not in other form of joint disease. Areacter. swith Seronegative Rheumatoid arthritis also show Anti-CCP antibodies.	(RA): (RF) are antibodies that are directed against the Fc fragment of IgG altered in its tertiary strus s with rheumatoid arthritis (RA) have an IgM antibody to IgG immunoglobulin. This autoantil not be etiologically related to RA. rs such as ESR & C-Reactive protein (CRP) are normal in about 60 % of patients with positive lates poorly with disease activity, but those patients with high titers tend to have more severed diagnosis and prognosis of rheumatoid arthritis. IS: is is a systemic autoimmune disease that is multi-functional in origin and is characterized by yoium) joints which ledas to progressive joint destruction and in most cases to disability and from small to large joints, with greatest damage in early phase. is primarily based on clinical, radiological & immunological features. The most frequent server tor. VE):- <i>Tic for Rheumatoid arthritis, as it is often present in healthy individuals with other autoimmune of reactive titer and 8% of nonrheumatoid patients have a positive titer). nonrheumatoid diseases, characterized by chronic inflammation may have positive tests for RF. olymyositis, tuberculosis, syphilis, viral hepatitis, infectious mononucleosis, and influenza. discovered in joints of patients with RA, but not in other form of joint disease.Anti-CCP2 is HIGHLY actor. s with Seronegative Rheumatoid arthritis also show Anti-CCP antibodies. re value of Anti-CCP antibodies for Rheumatoid Arthritis is far greater than Rheumatoid factor.</i>



TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



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