A PIONEER DIAGNOSTIC CENTRE

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

NAME	: Mrs. SHAKUNTLA GUPTA			
AGE/ GENDER	: 73 YRS/FEMALE		PATIENT ID	: 1755870
COLLECTED BY	:		REG. NO./LAB NO.	: 122502130021
REFERRED BY	:		REGISTRATION DATE	: 13/Feb/2025 03:15 PM
BARCODE NO.	: 12507003		COLLECTION DATE	: 13/Feb/2025 03:26PM
CLIENT CODE.	: P.K.R JAIN HEALTHCARE INSTITU	ΤЕ	REPORTING DATE	: 13/Feb/2025 04:49PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBAL	A CITY - HA	RYANA	
Test Name		Value	Unit	Biological Reference interval
		HAEM	ATOLOGY	
		LETE BL	OOD COUNT (CBC)	
RED BLOOD CELLS HAEMOGLOBIN (HI	B (RBCS) COUNT AND INDICES B)	11.1 ^L	gm/dL	12.0 - 16.0
by CALORIMETRIC RED BLOOD CELL (DDC) COUNT	3.91	Millions/	cmm 3.50 - 5.00
	OCUSING, ELECTRICAL IMPEDENCE	5.91	Millions/	S.50 - 5.00
PACKED CELL VOLU	JME (PCV) utomated hematology analyzer	32.9 ^L	%	37.0 - 50.0
MEAN CORPUSCUL		84.1	KR fl	80.0 - 100.0
	AR HAEMOGLOBIN (MCH) utomated hematology analyzer	28.3	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	33.7	g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV)	13.2	%	11.00 - 16.00
	UTION WIDTH (RDW-SD) utomated hematology analyzer	41.7	fL	35.0 - 56.0
MENTZERS INDEX by CALCULATED		21.51	RATIO	BETA THALASSEMIA TRAIT: < 13.0
				IRON DEFICIENCY ANEMIA: >13.0
GREEN & KING IND by calculated	EX	28.3	RATIO	BETA THALASSEMIA TRAIT:< 65.0 IRON DEFICIENCY ANEMIA: > 65.0
WHITE BLOOD CEI	LLS (WBCS)			03.0
TOTAL LEUCOCYTE	COUNT (TLC) Y by sf cube & microscopy	10560	/cmm	4000 - 11000
DIFFERENTIAL LE	<u>UCOCYTE COUNT (DLC)</u>			
NEUTROPHILS	' BY SF CUBE & MICROSCOPY	65	%	50 - 70
by FLOW OF I DIVIETRY	BT OF CODE & MICROOCOPY	24	%	20 - 40

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.

DR.VINAY CHOPRA CONSULTANT PATHOLOGIST MBBS, MD (PATHOLOGY & MICROBIOLOGY) MBBS , MD (PATHOLOGY)

DR.YUGAM CHOPRA CONSULTANT PATHOLOGIST

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

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Test Name	Value	Unit	Biological Reference interval
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS	6 ^H	%	1 - 6
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	5	%	2 - 12
BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	%	0 - 1
ABSOLUTE LEUKOCYTES (WBC) COUNT			
ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	6864	/cmm	2000 - 7500
ABSOLUTE LYMPHOCYTE COUNT by flow cytometry by sf cube & microscopy	2534 ^L	/cmm	800 - 4900
ABSOLUTE EOSINOPHIL COUNT by flow cytometry by sf cube & microscopy	634 ^H	/cmm	40 - 440
ABSOLUTE MONOCYTE COUNT by flow cytometry by sf cube & microscopy	528	/cmm	80 - 880
ABSOLUTE BASOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY	0	/cmm	0 - 110
PLATELETS AND OTHER PLATELET PREDICTIVE	MARKERS.		
PLATELET COUNT (PLT) by hydro dynamic focusing, electrical impedence	229000	/cmm	150000 - 450000
PLATELETCRIT (PCT) by hydro dynamic focusing, electrical impedence	0.26	%	0.10 - 0.36
MEAN PLATELET VOLUME (MPV) by hydro dynamic focusing, electrical impedence	12	fL	6.50 - 12.0
PLATELET LARGE CELL COUNT (P-LCC) by hydro dynamic focusing, electrical impedence	87000	/cmm	30000 - 90000
PLATELET LARGE CELL RATIO (P-LCR) by hydro dynamic focusing, electrical impedence	37.8	%	11.0 - 45.0
PLATELET DISTRIBUTION WIDTH (PDW) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	15.9	%	15.0 - 17.0
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD			



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMB	ALA CITY - HA	ARYANA	
Test Name		Value	Unit	Biological Reference interval
EDVTUDOCVTECE			MENTATION RATE (E	•
	DIMENTATION RATE (ESR) GATION BY CAPILLARY PHOTOMETRY	50 ^H	mm/1st h	ır 0 - 20
INTERPRETATION:				
1. ESR is a non-specif	fic test because an elevated result of	often indicates	the presence of inflammatic	on associated with infection, cancer and auto-
2. An FSR can be affe	does not tell the health practitione	flammation. F	or this reason, the ESR is typ	ically used in conjunction with other test such
as C-reactive protein				
 This test may also systemic lupus eryth 		and response	to therapy in both of the ab	ove diseases as well as some others, such as
CONDITION WITH LO	W ESR			
	en with conditions that inhibit the n			
as sickle cells in sick	le cell anaemia) also lower the ESR		is), and some protein abnorn	malities. Šome changes in red cell shape (such
NOTE:				

LER and C - reactive protein (C-RP) are both markers of inflammation.
 Generally, ESR does not change as rapidly as does CRP, either at the start of inflammation or as it resolves.
 CRP is not affected by as many other factors as is ESR, making it a better marker of inflammation.
 If the ESR is elevated, it is typically a result of two types of proteins, globulins or fibrinogen.
 Women tend to have a higher ESR, and menstruation and pregnancy can cause temporary elevations.
 Drugs such as dovtram, motbuling, and vities and vit

6. Drugs such as dextran, methyldopa, oral contraceptives, penicillamine procainamide, theophylline, and vitamin A can increase ESR, while aspirin, cortisone, and quinine may decrease it



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CLIENT CODE.	: P.K.R JAIN HEALTHCARE INS	STITUTE REPOF	TING DATE	: 13/Feb/2025 04:48PM
CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, A	MBALA CITY - HARYANA		
Test Name		Value	Unit	Biological Reference interval
			DIOCHEMICT	
	CLINI	CAL CHEMISTRY/	BIUCHEMIST	RY
	CLINI	GLUCOSE RAND		RY

2. A random glucose level between 140 - 200 mg/dl is considered as glucose intolerant or prediabetic. A fasting and post-prnadial blood test (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.

TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBAI	LA CITY - HARYANA		
Test Name		Value	Unit	Biological Reference interval
		CREATININE		
CREATININE: SERU		1.07	mg/dL	0.40 - 1.20
by ENZYMATIC, SPEC	TROPHOTOMETRY			



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3 YRS/FEMALE 2507003 K.R JAIN HEALTHCARE INSTITUTE ASIRPUR, HISSAR ROAD, AMBALA CITY - I Value U 4.32 ROXIDASE levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation. DUUCTION:- s (organ meats,legumes,anchovies, etc).	Unit RIC ACID mg/dL	around a joint.
K.R JAIN HEALTHCARE INSTITUTE ASIRPUR, HISSAR ROAD, AMBALA CITY - I Value Value 4.32 ROXIDASE levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation.	REGISTRATION DATE COLLECTION DATE REPORTING DATE HARYANA Unit RIC ACID mg/dL	: 13/Feb/2025 03:15 PM : 13/Feb/2025 03:26PM : 13/Feb/2025 10:09PM Biological Reference interval 2.50 - 6.80 around a joint.
K.R JAIN HEALTHCARE INSTITUTE ASIRPUR, HISSAR ROAD, AMBALA CITY - I Value Value 4.32 ROXIDASE levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation.	COLLECTION DATE REPORTING DATE HARYANA Unit RIC ACID mg/dL	: 13/Feb/2025 03:26PM : 13/Feb/2025 10:09PM Biological Reference interval 2.50 - 6.80 around a joint.
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ASIRPUR, HISSAR ROAD, AMBALA CITY - I Value U 4.32 ROXIDASE levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation.	HARYANA Unit RIC ACID mg/dL	Biological Reference interva 2.50 - 6.80 around a joint.
Value Value 4.32 ROXIDASE levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation.	Unit RIC ACID mg/dL	2.50 - 6.80 around a joint.
U A.32 ROXIDASE levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation. DDUCTION:-	RIC ACID mg/dL stals to form & accumulate a	2.50 - 6.80 around a joint.
4.32 ROXIDASE levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation.	mg/dL stals to form & accumulate a	around a joint.
ROXIDASE levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation. DDUCTION:-	itals to form & accumulate a	around a joint.
levels of Uric Acid in the blood cause crys luct of purine metabolism . Uric acid is exc ial degradation. DDUCTION:-	tals to form & accumulate a reted to a large degree by th	around a joint. he kidneys and to a smaller degree in the
luct of purine metabolism . Uric acid is exc ial degradation. ODUCTION:-	stals to form & accumulate a reted to a large degree by th	around a joint. he kidneys and to a smaller degree in the
nalignancies especially leukemais & lymph reloid metaplasia. CREATION (BY KIDNEYS) man 2 grams per day). starvation. cause etc. IENCY c, Iron and molybdenum. Ilsons disease. ate antidiuretic hormone (SIADH) secretion CREATION		
CR nai ca ca ilsi ate	EATION (BY KIDNEYS) n 2 grams per day). tarvation. huse etc. NCY Iron and molybdenum. ons disease. e antidiuretic hormone (SIADH) secretior EATION	EATION (BY KIDNEYS) n 2 grams per day). tarvation. huse etc. NCY Iron and molybdenum. ons disease. e antidiuretic hormone (SIADH) secretion & low purine diet etc.



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CLIENT ADDRESS	: NASIRPUR, HISSAR ROAD, AMBALA C	ITY - HARYANA		
Test Name	Va	lue Unit	Biological Reference interval	
		NDOCRINOLOGY IMULATING HORMONE (T	SH)	
	THYROID ST TING HORMONE (TSH): SERUM 4 escent microparticle immunoassay)			
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) 4 RASENSITIVE 4	IMULATING HORMONE (Τ .77 μIU/mL	0.35 - 5.50	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI	THYROID ST TING HORMONE (TSH): SERUM 4 escent microparticle immunoassay)	IMULATING HORMONE (T	0.35 - 5.50 (µIU/mL)	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) 4 RASENSITIVE 4	IMULATING HORMONE (Τ .77 μIU/mL REFFERENCE RANGE	0.35 - 5.50 (µU/mL) 0	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) ASEENSITIVE AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months	IMULATING HORMONE (T .77 μlU/mL	0.35 - 5.50 (µlU/mL) 0 0	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years	IMULATING HORMONE (T .77 μlU/mL .77 μlU/mL .77 0.70 – 15.20 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00	0.35 - 5.50 (µlU/mL) 0 0 0	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) AGE 0 – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years	IMULATING HORMONE (T .77 μlU/mL .77 μlU/mL .77 0.70 – 15.20 0.70 – 15.20 0.70 – 11.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50	0.35 - 5.50 (µlU/mL) 0 0 0	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) AGE 0-5 DAYS 6 Days - 2 Months 3 - 11 Months 1 - 5 Years 6 - 10 Years 11 - 15	IMULATING HORMONE (T .77 μlU/mL .77 μlU/mL .77 0.70 – 15.20 0.70 – 15.20 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	0.35 - 5.50 (µU/mL) 0 0 0 0 0	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) AGE O – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	IMULATING HORMONE (T .77 μlU/mL .77 μlU/mL .77 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	0.35 - 5.50 (µU/mL) 0 0 0 0 0	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) ASSENSITIVE AGE 0 - 5 DAYS 6 Days - 2 Months 3 - 11 Months 1 - 5 Years 6 - 10 Years 11 - 15 > 20 Years (Adults)	IMULATING HORMONE (T .77 μlU/mL .77 μlU/mL .77 0.70 – 15.20 0.70 – 15.20 0.70 – 15.20 0.70 – 15.20 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 0.27 – 5.50	0.35 - 5.50 (µU/mL) 0 0 0 0 0 0 0 0	
by CMIA (CHEMILUMIN 3rd GENERATION, ULTI INTERPRETATION:	THYROID ST TING HORMONE (TSH): SERUM 4 ESCENT MICROPARTICLE IMMUNOASSAY) AGE O – 5 DAYS 6 Days – 2 Months 3 – 11 Months 1 – 5 Years 6 – 10 Years 11 - 15 > 20 Years (Adults)	IMULATING HORMONE (T .77 μlU/mL .77 μlU/mL .77 0.70 – 15.20 0.70 – 15.20 0.70 – 15.20 0.70 – 15.20 0.70 – 11.00 0.70 – 10.00 0.70 – 8.40 0.70 – 7.00 0.60 – 5.50 0.50 – 5.50 0.27 – 5.50	0.35 - 5.50 (µU/mL) 0 0 0 0 0 0 0 0 0	

NOTE: -TSH levels are subjected to circardian 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 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. **INCREASED LEVELS**:

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.

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



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Test NameValueUnitBiological Reference interval

: NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA

8.Pregnancy: 1st and 2nd Trimester

LIMITATIONS:

CLIENT ADDRESS

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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: NASIRPUR, HISSAR ROAD, AM	IBALA CITY - HARYAN	A	
	Value	Unit	Biological Reference interval
IMM	UNOPATHOLO	GY/SEROLOGY	Y
RHEUMATOI	D FACTOR (RA):	QUANTITATIVE	- SERUM
FACTOR QUANTITATIVE:	1.52	IU/mL	NEGATIVE: < 18.0 BORDERLINE: 18.0 - 25.0 POSITIVE: > 25.0
ITIS: itis is a systemic autoimmune dis novium) joints which ledas to pro as from small to large joints, with A is primarily based on clinical, ra actor.	ease that is multi-fun gressive joint destruc greatest damage in ea adiological & immunol	tion and in most case arly phase. ogical features.The n	es to disability and reduction of quality life.
	: P.K.R JAIN HEALTHCARE INST : NASIRPUR, HISSAR ROAD, AM IMM RHEUMATOL) FACTOR QUANTITATIVE: (R (RA): rs (RF) are antibodies that are dirents with rheumatoid arthritis (RA) ay not be etiologically related to R kers such as ESR & C-Reactive pro- relates poorly with disease activity for diagnosis and prognosis of rhe RTIS: ritis is a systemic autoimmune dis novium) joints which ledas to pro as from small to large joints, with A is primarily based on clinical, ra actor. TIVE:-	: REGI : 12507003 COLI : P.K.R JAIN HEALTHCARE INSTITUTE REPO : NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYAN Value Value IMMUNOPATHOLO RHEUMATOID FACTOR (RA):) FACTOR QUANTITATIVE: 1.52 R (RA): rs (RF) are antibodies that are directed against the Fc frants with rheumatoid arthritis (RA) have an IgM antibody ay not be etiologically related to RA. kers such as ESR & C-Reactive protein (CRP) are normal relates poorly with disease activity, but those patients w for diagnosis and prognosis of rheumatoid arthritis. RTS: ritis is a systemic autoimmune disease that is multi-fun novium) joints which ledas to progressive joint destruct as from small to large joints, with greatest damage in ea A is primarily based on clinical, radiological & immunol actor. TIVE:-	E REGISTRATION DATE 2 12507003 COLLECTION DATE 2 P.K.R JAIN HEALTHCARE INSTITUTE REPORTING DATE 2 NASIRPUR, HISSAR ROAD, AMBALA CITY - HARYANA Value Unit IMMUNOPATHOLOGY/SEROLOGY RHEUMATOID FACTOR (RA): QUANTITATIVE 0 FACTOR QUANTITATIVE: 1.52 IU/mL R (RA): 3 (RF) are antibodies that are directed against the Fc fragment of IgG altered nts with rheumatoid arthritis (RA) have an IgM antibody to IgG immunoglobu ay not be etiologically related to RA. Kers such as ESR & C-Reactive protein (CRP) are normal in about 60 % of patie relates poorly with disease activity, but those patients with high titers tend to for diagnosis and prognosis of rheumatoid arthritis. TIS: ritis is a systemic autoimmune disease that is multi-functional in origin and in novium) joints which ledas to progressive joint destruction and in most case as from small to large joints, with greatest damage in early phase. A is primarily based on clinical, radiological & immunological features. The mator. A core contact of the progressive joint destruction and in most case as from small to large joints, with greatest damage in early phase. A is primarily based on clinical, radiological & immunological features. The mator. A contact of the progressive joint destruction and in most case as from small to large joints, with greatest damage in early phase. A is primarily based on clinical, radiological & immunological features. The mator. A contact of the progressive is primarily based on clinical in contact of the progressive is primarily based on clinical in a prima





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NOT VALID FOR MEDICO LEGAL PURPOSE

