DUPLICATE LABORATORY INVESTIGATION REPORT

Patient Name	: Mr. ARUN PRAKASH	**Age/Sex**	: 32 / Male
UHId	: RAJH.14000021	**Order Date**	: 05-09-2019 15:11:04
Ref. Doctor	: Self	**Facility**	: Triotree SIT NOIDA
	0		

testing

Test	Result		Unit	Reference Range
Sample No : 07O0005135	Collection Date : 05/09/19 15:11		Report Date : 05/09/19 15:18	

Complete Haemogram (CBC)

Test	Result	Unit	Reference Range
builde	**12 ▼**	mg/dl	13.0 - 18.0
Method - AAAA, Sample - Blood Raju			
Differential Count			
Granulocytes	100	%	
Method - sdcdvc, Sample - Blood Raju			
Lymphocytes	3	%	3.0 - 20.0
Method - azsvsfdv, Sample - Blood Raju			
Monocytes	7	%	0.0 - 9.0
Method - fzsdvc, Sample - Blood Raju			
Eosinophils	5	%	0.0 - 6.0
Method - fgnbfgb, Sample - Blood Raju			
Basophils	1	%	0.0 - 2.0
Method - dggasferf, Sample - Blood Raju			
Promyelocyte	1	%	
Sample - Blood Raju			
Myelocyte , CSF	1	%	
Method - cfgbcf, Sample - Blood Raju			
Metamylocyte , CSF	1	%	
Method - nxcfnbgcfc, Sample - Blood Raju			
Toxic Granulation , CSF	+		
Method - dfxvfdv, Sample - Blood Raju			
Atypical Lymphocytes , CSF	Absent		
Sample - Blood Raju			
Granulocyte Count , CSF	**12 ▲**	x10^3/ul	4.6 - 9.3
Method - ctc jvbjk, Sample - Blood Raju			

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Lymphocytes Count , CSF	3	x10^3/ul	0.4 - 4.4
Method - dcjvh, Sample - Blood Raju			
Monocytes Count , CSF	**1 ▲**	x10^3/ul	0.0 - 0.8
Method - xdhdcjbk j, Sample - Blood Raju			
RBC Count , Blood	4	x10^6/ul	3.8 - 5.3
Method - zdsdxfghjnk, Sample - Blood Raju			
Hct , CSF	**34 ▼**	%	40.0 - 54.0
Sample - Blood Raju			
MCV , CSF	80	fl	80.0 - 100.0
Method - cfjklmklkm, Sample - Blood Raju			
MCH , CSF	32	pg	27.0 - 32.0
Method - g cfghhjhjb, Sample - Blood Raju			
MCHC , CSF	36	g/dl	32.0 - 36.0
Method - cvbxcvb, Sample - Blood Raju			
Platelet , CSF	120	x10^3/ul	120.0 - 380.0
Method - dffxdb, Sample - Blood Raju			
RDW , Blood	**5 ▼**	%	10.0 - 16.5

Method - vvb dgd, Sample - Blood Raju

It is widely acknowledged that information extraction of unstructured clinical notes using natural language processing (NLP) and text mining is essential for secondary use of clinical data for clinical research and practice. Lab test results are currently structured in most of the electronic health record (EHR) systems. However, for referral patients or lab tests that can be done in non-clinical setting, the results can be captured in unstructured clinical notes. In this study, we proposed a rule-based information extraction system to extract the lab test results with temporal information from clinical notes. The lab test results of glucose and HbA1c from 104 randomly sampled diabetes patients selected from 1996 to 2015 are extracted and further correlated with structured lab test information in the Mayo Clinic EHRs. The system has high F1-scores of 0.964, 0.967 and 0.966 in glucose, HbA1c and overall extraction, respectively.

End of Report

Dr.Bhuvnesh Sharma ,