



Dr. Vinay Ch MD (Pathology & Chairman & Con		crobiology) MD (Pathology)		Pathology)
NAME	: Mrs. BHARTI VOHRA			
AGE/ GENDER	: 55 YRS/FEMALE	P	ATIENT ID	: 1751245
COLLECTED BY	: SURJESH	R	EG. NO./LAB NO.	: 012502100005
REFERRED BY	:	R	EGISTRATION DATE	: 10/Feb/2025 08:21 AM
BARCODE NO.	: 01525247	C	OLLECTION DATE	: 10/Feb/2025 08:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		EPORTING DATE	: 10/Feb/2025 09:38AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AMB	ALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	CAN A CT		LNESS PANEL: G	
		LEIE BLU	OD COUNT (CBC)	
HAEMOGLOBIN (H	S (RBCS) COUNT AND INDICES	13.5	gm/dL	12.0 - 16.0
by CALORIMETRIC			U U	
ED BLOOD CELL (	RBC) COUNT	4.82	Millions/o	cmm 3.50 - 5.00
ACKED CELL VOLU	UME (PCV)	41.4	%	37.0 - 50.0
	UTOMATED HEMATOLOGY ANALYZER AR VOLUME (MCV)	85.9	fL	80.0 - 100.0
by CALCULATED BY A	UTOMATED HEMATOLOGY ANALYZER			
MEAN CORPUSCUL	AR HAEMOGLOBIN (MCH) UTOMATED HEMATOLOGY ANALYZER	28.1	pg	27.0 - 34.0
	AR HEMOGLOBIN CONC. (MCHC) UTOMATED HEMATOLOGY ANALYZER	32.7	g/dL	32.0 - 36.0
	UTION WIDTH (RDW-CV)	14.2	%	11.00 - 16.00
•	UTOMATED HEMATOLOGY ANALYZER UTION WIDTH (RDW-SD)	45.8	fL	35.0 - 56.0
	UTION WIDTH (RDW-SD) UTOMATED HEMATOLOGY ANALYZER	45.8	IL	33.0 - 30.0
MENTZERS INDEX by CALCULATED		17.82	RATIO	BETA THALASSEMIA TRAIT: <
by CALOULATED				13.0 IRON DEFICIENCY ANEMIA:
		05.00	D. LITTO	>13.0
GREEN & KING INI by calculated	)EX	25.39	RATIO	BETA THALASSEMIA TRAIT:< 65.0
				IRON DEFICIENCY ANEMIA: >
<b>WHITE BLOOD CE</b>	LIS (WRCS)			65.0
THIL DLUUD CE		7420	/cmm	4000 - 11000
FOTAL LEUCOCYTE				0.00 20.00
by FLOW CYTOMETRY		NIT		
NUCLEATED RED E	BLOOD CELLS (nRBCS) RT HEMATOLOGY ANALYZER	NIL		0.00 - 20.00

KOS Diagnostic Lab (A Unit of KOS Healthcare)





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





NAME       : Mrs. BHARTI VOHRA         AGE/ GENDER       : 55 YRS/FEMALE       PATIENT ID       :: 1751245         COLLECTED BY       : SURJESH       REG. NO./LAB NO.       : 012502100005         REFERRED BY       :       REG.STRATION DATE       : 10/Feb/2025 08:21 AM         BARCODE NO.       : 01525247       COLLECTION DATE       : 10/Feb/2025 08:28 AM         CLIENT CODE       : KOS DIAGNOSTIC LAB       REPORTING DATE       : 10/Feb/2025 08:28 AM         CLIENT ADDRESS       : 6349/1, NICHOLSON ROAD, AMBALA CANTT       ::       :         Test Name       Value       Unit       Biological Reference interval         DIFFREENTIAL LEUCOCYTE COUNT (DLO)		Dr. Vinay Chop MD (Pathology & Mi Chairman & Consult	icrobiology)	Dr. Yugam MD ( CEO & Consultant	(Pathology)	
COLLECTED BY       :SURJESH       REG. NO./LAB NO.       : 012502100005         REFERRED BY       ::       NCRODE NO.       :::       10/Feb/2025 08:21 AM         BARCODE NO.       :::       10/Feb/2025 08:226 AM       ::       10/Feb/2025 08:226 AM         CLIENT CODE.       ::       KOS DIAGNOSTIC LAB       REPORTING DATE       ::       10/Feb/2025 08:28 AM         CLIENT ADDRESS       ::       6349/1, NICHOLSON ROAD, AMBALA CANTT       ::       10/Feb/2025 09:38 AM         Test Name       Value       Unit       Biological Reference interval         DIFFERENTIAL LEUCOCYTE COUNT (DLC)         NEUTROPHILS       63       %       50 - 70         by FLOW CYTOMETRY BY SF CUBE & MIGROSCOPY       28       %       20 - 40         by FLOW CYTOMETRY BY SF CUBE & MIGROSCOPY       2       %       1 - 6         by FLOW CYTOMETRY BY SF CUBE & MIGROSCOPY       2       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MIGROSCOPY       0       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MIGROSCOPY       0       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MIGROSCOPY       0       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MIGROSCOPY       0       %       0 - 1 </th <th>NAME</th> <th>: Mrs. BHARTI VOHRA</th> <th></th> <th></th> <th></th>	NAME	: Mrs. BHARTI VOHRA				
REFEREED BY       ::::::::::::::::::::::::::::::::::::	AGE/ GENDER	: 55 YRS/FEMALE	PA	FIENT ID	: 1751245	
BARCODE NO.       : 01525247       COLLECTION DATE       : 10/Feb/2025 08:28AM         CLIENT CODE.       : KOS DIAGNOSTIC LAB       REPORTING DATE       : 10/Feb/2025 09:38AM         CLIENT ADDRESS       : 6349/1, NICHOLSON ROAD, AMBALA CANTT       : 10/Feb/2025 09:38AM         DIFFERENTIAL LEUCOCYTE COUNT (DLC)       NEUTROPHILS       50 - 70         NEUTROPHILS       : 63       %       50 - 70         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       28       %       20 - 40         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       1 - 6         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       1 - 6         by RLOW CYTOMETRY BY SF CUBE & MICROSCOPY       7       %       2 - 12         by RLOW CYTOMETRY BY SF CUBE & MICROSCOPY       7       %       2 - 12         by RLOW CYTOMETRY BY SF CUBE & MICROSCOPY       0       0 - 1       0         BASOHITIS       0       %       0 - 1         by RLOW CYTOMETRY BY SF CUBE & MICROSCOPY       14675       /cmm       2000 - 7500         by RLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2078       /cmm       800 - 4900         by ROUTE NEUTROPHIL COUNT       2078       /cmm       800 - 4900       /security for the fore	COLLECTED BY	: SURJESH	REG	G. NO./LAB NO.	: 012502100005	
CHENT CODE       :: KOS DIAGNOSTIC LAB       REPORTING DATE       :: 10/Feb/2025 09:38AM         CHENT ADDRESS       :: 6349/1, NICHOLSON ROAD, AMBALA CANTT       Distribution         Test Name       Value       Unit       Biological Reference interval         DIFFERENTIAL LEUCOCYTE COUNT (DLC)       NEUTROPHILS       63       %       50 - 70         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       28       %       20 - 40         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       1 - 6         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       0       %       0 - 1         BASOLUTE LEUKOCYTES (WRC) COUNT       4675       / cmm       2000 - 7500         ABSOLUTE NEUTROPHIL COUNT       4675       / cmm       800 - 4900         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       519       / cmm       800 - 4900         BSOLUTE NEUTROPHIL COUNT       148       / cmm       40 - 440       // by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY         ABSOLUTE LYMPHOCYTE COUNT       148       / cmm       80 - 880       // cmm       80 - 880 <th cmm<="" th="">       // cmm</th>	// cmm	<b>REFERRED BY</b>	:	REG	GISTRATION DATE	: 10/Feb/2025 08:21 AM
CLEENT ADDRESS       : 6349/1, NICHOLSON ROAD, AMBALA CANTT         Test Name       Value       Unit       Biological Reference interval         DIFFERENTIAL LEUCOCYTE COUNT (DLC)       NEUTROPHILS       63       %       50 - 70         NEUTROPHILS       by PLOW CYTOMETRY BY SF CUBE & MICROSCOPY       28       %       20 - 40         by PLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       1 - 6         by RLOW CYTOMETRY BY SF CUBE & MICROSCOPY       7       %       2 - 12         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       0       %       0 - 1         BASOPHILS       0       %       0 - 1       8         BASOPHILS       0       %       0 - 1       8       9         BASOPHILS       VOTOMETRY BY SF CUBE & MICROSCOPY       0       %       0 - 1         BASOPHILS       0       %       0 - 1       8       9         BASOPHILS       0       %       0 - 1       8       9	BARCODE NO.	: 01525247	COL	LECTION DATE	: 10/Feb/2025 08:28AM	
Test NameValueUnitBiological Reference intervalDIFFERENTIAL LEUCOCYTE COUNT (DLC)NEUTROPHILS63%50 - 70by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY28%20 - 40by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2%1 - 6by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2%0by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY7%2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880ULTE MONOCYTE COUNT519/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY273000/cmm150000 - 450000by HATCHETRY BY SF CUBE & MICROSCOPY0.33%0.10 - 0.36by HORO CYTOMETRY BY SF CUBE & MICROSCOPY12 <sup>H</sup> FL6.50 - 12.0PLATELET COUNT (PLT)273000/cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm <td>CLIENT CODE.</td> <td>: KOS DIAGNOSTIC LAB</td> <td>REI</td> <td>PORTING DATE</td> <td>: 10/Feb/2025 09:38AM</td>	CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	PORTING DATE	: 10/Feb/2025 09:38AM	
DIFFERENTIAL LEUCOCYTE COUNT (DLC)         NEUTROPHILS       63       %       50 - 70         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       28       %       20 - 40         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       1 - 6         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       1 - 6         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       7       %       2 - 12         MONOCYTES       0       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       0       %       0 - 1         BASOPHILS       0       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       0       %       0 - 1         ABSOLUTE NEUTROPHIL COUNT       4675       /cmm       2000 - 7500         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2078       /cmm       800 - 4900         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       148       /cmm       40 - 440         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       519       /cmm       80 - 880         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       273000       /cmm       150000 - 450000         by HOW CYTOMETRY BY SF CUBE & MICROSCOPY       273000       /cmm       150000 - 4500000         PLATELET	CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AM	BALA CANTT			
DIFFERENTIAL LEUCOCYTE COUNT (DLC)         NEUTROPHILS       63       %       50 - 70         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       28       %       20 - 40         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       1 - 6         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2       %       1 - 6         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       7       %       2 - 12         MONOCYTES       0       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       0       %       0 - 1         BASOPHILS       0       %       0 - 1         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       0       %       0 - 1         ABSOLUTE NEUTROPHIL COUNT       4675       /cmm       2000 - 7500         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       2078       /cmm       800 - 4900         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       148       /cmm       40 - 440         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       519       /cmm       80 - 880         by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY       273000       /cmm       150000 - 450000         by HOW CYTOMETRY BY SF CUBE & MICROSCOPY       273000       /cmm       150000 - 4500000         PLATELET						
NEUTROPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY63%50 - 70LYMPHOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY28%20 - 40EOSINOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2%1 - 6MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY7%2 - 12BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1ABSOLUTE LEUKOCYTES (WBC) COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900ABSOLUTE LEUKOCYTES CUUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900ABSOLUTE LOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440By FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880PLATELET SAND OTHER PLATELET PREDICTIVE MARKERS.PLATELET COUNT (PLT) by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY273000/cmm150000 - 450000PLATELET COUNT (PLT) by HORO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE124fL6.50 - 12.0PLATELET COUNT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>III</sup> 	Test Name		Value	Unit	<b>Biological Reference interval</b>	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPYLYMPHOCYTES28%20 - 40by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2%1 - 6by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY7%2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY7%0 - 1BASOPHILS0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY7%2 - 12BASOLUTE LEUKOCYTES (WBC) COUNT0%0 - 1ABSOLUTE NEUTROPHIL COUNT4675/cmm2000 - 7500by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY4675/cmm800 - 4900ABSOLUTE LSUNPOPHIL COUNT148/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY273000/cmm150000 - 450000by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY273000/cmm150000 - 450000by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY12 <sup>H</sup> fL6.50 - 12.0PLATELET COUNT (PLT)0.33%0.10 - 0.36by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000PLATELET LARGE C	DIFFERENTIAL LE	EUCOCYTE COUNT (DLC)				
LYMPHOCYTES28%20 - 40by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2%1 - 6COSINOPHILS7%2 - 12by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY7%2 - 12BASOPHILS0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1BASOPHILS0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1ABSOLUTE LEUKOCYTES (WBC) COUNT4675/cmm2000 - 7500by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY273000/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY273000/cmm150000 - 450000by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY273000/cmm150000 - 450000by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY12 <sup>H</sup> FL6.50 - 12.0by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY12 <sup>H</sup> FL6.50 - 12.0by FLOW CYTOMETRY BY SF CUBE & ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HORO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HORO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HORO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE11.3%11.0 - 45.0PLATELE			63	%	50 - 70	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY EOSINOPHILS 2 % CIDBE & MICROSCOPY by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 0 % 0-1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASOPHILS 0 0 % 0-1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE NEUTROPHIL COUNT 4675 /cmm 2000 - 7500 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 2078 /cmm 800 - 4900 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 519 /cmm 800 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE EOSINOPHIL COUNT 0 148 /cmm 40 - 440 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE MONOCYTE COUNT 519 /cmm 80 - 880 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) 273000 /cmm 150000 - 450000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET VOLUME (MPV) 12 <sup>H</sup> fL 6.50 - 12.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE MEAN PLATELET LARGE CELL COUNT (P-LCR) 113000 <sup>H</sup> /cmm 30000 - 90000 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL COUNT (P-LCR) 41.3 % 1.10 - 45.0 PLATELET LARGE CELL COUNT (P-LCR) 41.3		Y BY SF CUBE & MICROSCOPY	28	%	20 - 40	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPYMONOCYTES7%2 - 12BASOPHILS0%0 - 1by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1BASOLUTE LEUKOCYTES (WBC) COUNTABSOLUTE LEUKOCYTES (WBC) COUNTABSOLUTE NEUTROPHIL COUNT4675/cmm2000 - 7500by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm80 - 880ABSOLUTE EOSINOPHIL COUNT519/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY15000/cmm80 - 880PLATELET COUNT (PLT)519/cmm80 - 880by HORO OWNAMIC FOCUSING, ELECTRICAL IMPEDENCE273000/cmm150000 - 450000by HYDRO OWNAMIC FOCUSING, ELECTRICAL IMPEDENCE12 <sup>H</sup> fL6.50 - 12.0PLATELET COUNT (PLT)12 <sup>H</sup> fL6.50 - 12.0by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE10.01.0 - 4		Y BY SF CUBE & MICROSCOPY	20	70	20-40	
MONOCYTES by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY7%2 - 12BASOPHILS by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY0%0 - 1ABSOLUTE LEUKOCYTES (WBC) COUNT4675/cmm2000 - 7500ABSOLUTE NEUTROPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm40 - 440ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880PLATELET S AND OTHER PLATELET PREDICTIVE MARKERS. PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE273000/cmm150000 - 450000PLATELET CRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE0.33%0.10 - 0.36MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000H/cmm30000 - 90000PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000H/cmm30000 - 90000PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE11.0 - 45.0%11.0 - 45.0PLATELET LARGE CELL COUNT (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE%15.0 - 17.0			2	%	1 - 6	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY BASODHILS 0 % 0-1 by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY ABSOLUTE LEUKOCYTES (WBC) COUNT ABSOLUTE LEUKOCYTES (WBC) COUNT 4675 // Cmm 2000 - 7500 // Cmm 800 - 4900 // Cmm 800 - 4900 // Cmm 40 - 440 // Cmm 40 - 440 // Cmm 80 - 880 // Cmm 150000 - 450000 // Cmm 150000 - 90000		T BT SF COBE & MICROSCOFT	7	%	2 - 12	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPYABSOLUTE LEUKOCYTES (WBC) COUNTABSOLUTE NEUTROPHIL COUNT4675/cmm2000 - 7500by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900ABSOLUTE LYMPHOCYTE COUNT2078/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440ABSOLUTE EOSINOPHIL COUNT519/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880PLATELET S AND OTHER PLATELET PREDICTIVE WARKERS.PLATELET COUNT (PLT)273000/cmm150000 - 450000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE0.33%0.10 - 0.36PLATELET COUNT (PLT)12 <sup>H</sup> fL6.50 - 12.0by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE41.3%11.0 - 45.0PLATELET LARGE CELL RATIO (P-LCR)41.3%11.0 - 45.0by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE%15.0 - 17.0	-	Y BY SF CUBE & MICROSCOPY				
ABSOLUTE LEUKOCYTES (WBC) COUNTABSOLUTE NEUTROPHIL COUNT4675/cmm2000 - 7500by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900ABSOLUTE LYMPHOCYTE COUNT2078/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm800 - 880PLATELET KONOCYTE COUNT519/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.PLATELET COUNT (PLT)273000/cmm150000 - 450000PLATELET COUNT (PLT)0.33%0.10 - 0.36///////////////////////////////		Y BY SE CUBE & MICROSCOPY	0	%	0 - 1	
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ABSOLUTE LYMPHOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY2078/cmm800 - 4900ABSOLUTE EOSINOPHIL COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440BSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE273000/cmm150000 - 450000PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE0.33%0.10 - 0.36MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE12HfL6.50 - 12.0MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000H/cmm30000 - 90000PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000H/cmm30000 - 90000PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE41.3%11.0 - 45.0PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE41.3%11.0 - 45.0PLATELET DISTRIBUTION WIDTH (PDW)16%15.0 - 17.0			4675	/cmm	2000 - 7500	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY148/cmm40 - 440by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS.PLATELET COUNT (PLT)273000/cmm150000 - 450000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCEPLATELET COUNT (PLT)0.33%0.10 - 0.36by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCEPLATELET VOLUME (MPV)12HfL6.50 - 12.0by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000H/cmm30000 - 90000PLATELET LARGE CELL COUNT (P-LCC)113000H/cmm30000 - 90000by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE41.3%11.0 - 45.0PLATELET LARGE CELL RATIO (P-LCR)16%15.0 - 17.0			0070	1	800 4000	
by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880ABSOLUTE MONOCYTE COUNT by FLOW CYTOMETRY BY SF CUBE & MICROSCOPY519/cmm80 - 880PLATELETS AND OTHER PLATELET PREDICTIVE MARKERS./cmm150000 - 450000PLATELET COUNT (PLT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE273000/cmm150000 - 450000PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE0.33%0.10 - 0.36PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE12HfL6.50 - 12.0PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000H/cmm30000 - 90000PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE11.0 - 45.011.0 - 45.0PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE16%15.0 - 17.0			2078	/ cmm	800 - 4900	
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PLATELETCRIT (PCT) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE0.33%0.10 - 0.36MEAN PLATELET VOLUME (MPV) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE12 <sup>H</sup> fL6.50 - 12.0PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE41.3%11.0 - 45.0PLATELET DISTRIBUTION WIDTH (PDW)16%15.0 - 17.0			273000	/cmm	150000 - 450000	
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PLATELET LARGE CELL COUNT (P-LCC) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE113000 <sup>H</sup> /cmm30000 - 90000PLATELET LARGE CELL RATIO (P-LCR) by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE41.3%11.0 - 45.0PLATELET DISTRIBUTION WIDTH (PDW)16%15.0 - 17.0			12 <sup>H</sup>	fL	6.50 - 12.0	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET LARGE CELL RATIO (P-LCR) 41.3 % 11.0 - 45.0 by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16 % 15.0 - 17.0	PLATELET LARGE	CELL COUNT (P-LCC)	113000 <sup>H</sup>	/cmm	30000 - 90000	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE PLATELET DISTRIBUTION WIDTH (PDW) 16 % 15.0 - 17.0	-			0/	11.0 45.0	
PLATELET DISTRIBUTION WIDTH (PDW) 16 % 15.0 - 17.0			41.3	%	11.0 - 45.0	
by HYDRO DYNAMIC FOCUSING, ELECTRICAL IMPEDENCE	PLATELET DISTRI	BUTION WIDTH (PDW)	16	%	15.0 - 17.0	
NOTE: TEST CONDUCTED ON EDTA WHOLE BLOOD						





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	<b>Dr. Vinay Ch</b> MD (Pathology & Chairman & Cor	& Microbiology)	Dr. Yugam MD CEO & Consultant	(Pathology)
NAME	: Mrs. BHARTI VOHRA			
AGE/ GENDER	: 55 YRS/FEMALE	PATIEN	T ID	: 1751245
COLLECTED BY	: SURJESH	REG. NO	)./LAB NO.	: 012502100005
REFERRED BY	:	REGIST	RATION DATE	: 10/Feb/2025 08:21 AM
BARCODE NO.	:01525247	COLLEC	TION DATE	: 10/Feb/2025 08:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	: 10/Feb/2025 03:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD,	AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	GLY	COSYLATED HAEMOGI	.0BIN (HBA1C)	
GLYCOSYLATED HAE WHOLE BLOOD	MOGLOBIN (HbA1c):	7.3 <sup>H</sup>	%	4.0 - 6.4
ESTIMATED AVERAG		162.81 <sup>H</sup>	mg/dL	60.00 - 140.00
by HPLC (HIGH PERFORM INTERPRETATION:				
• •		BETES ASSOCIATION (ADA):		
NTERPRETATION:		BETES ASSOCIATION (ADA): GLYCOSYLATED HEI	Moglogib (HBAIC) ii	n %
NTERPRETATION: RE Non diab	AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years	GLYCOSYLATED HEI	<5.7	n %
NTERPRETATION: RE Non diab At F	AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	GLYCOSYLATED HEI	<5.7 7 – 6.4	n %
NTERPRETATION: RE Non diab At F	AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years	GLYCOSYLATED HEI	<5.7 7 – 6.4 >= 6.5	n %
<u>NTERPRETATION:</u> RE Non diab At F	AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	GLYCOSYLATED HEI	<5.7 7 – 6.4 >= 6.5 > <b>19 Years</b>	
NTERPRETATION: RE Non diab At F Diag	AS PER AMERICAN DIAI FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes) gnosing Diabetes	GLYCOSYLATED HEI	<5.7 7 - 6.4 >= 6.5 > 19 Years < 7.0	
NTERPRETATION: RE Non diab At F Diag	AS PER AMERICAN DIA FERENCE GROUP etic Adults >= 18 years Risk (Prediabetes)	GLYCOSYLATED HEI	<5.7 7 – 6.4 >= 6.5 > <b>19 Years</b>	

## COMMENTS:

TEST PERFORMED AT KOS DIAGNOSTIC LAB. AMBALA CANTT

1.Glycosylated hemoglobin (HbA1c) test is three monthly monitoring done to assess compliace with therapeutic regimen in diabetic patients.

2.Since Hb1c reflects long term fluctuations in blood glucose concentration, a diabetic patient who has recently under good control may still have high concentration of HbAlc. Converse is true for a diabetic previously under good control but now poorly controlled.

3. Target goals of < 7.0 % may be beneficial in patients with short duration of diabetes, long life expectancy and no significant cardiovascular disease. In patients with significant complications of diabetes, limited life expectancy or extensive co-morbid conditions, targetting a goal of < 7.0% may not be appropriate. 4. High

HbA1c (>9.0 -9.5 %) is strongly associated with risk of development and rapid progression of microvascular and nerve complications 5. Any condition that shorten RBC life span like acute blood loss, hemolytic anemia falsely lower HbA1c results.

6.HbA1c results from patients with HbSS,HbSC and HbD must be interpreted with caution, given the pathological processes including anemia, increased red cell turnover, and transfusion requirement that adversely impact HbA1c as a marker of long-term gycemic control.

7.Specimens from patients with polycythemia or post-splenctomy may exhibit increse in HbA1c values due to a somewhat longer life span of the red cells.





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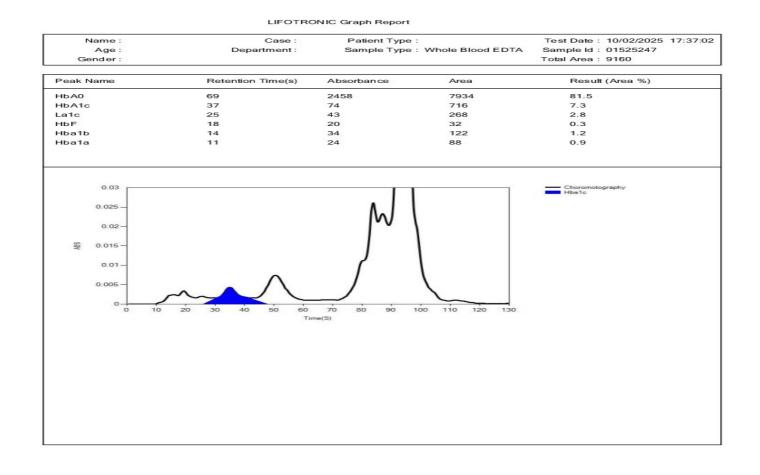
KOS Molecular Lab: 01777, (Hendison Hoad, Januara Canter 195 001, Haryana KOS Molecular Lab: Ilnd Floor, Parry Hotel, Staff Road, Opp. GPO, Ambala Canter 133 001, Haryana 0171-2643898, +91 99910 43898 | care@koshealthcare.com | www.koshealthcare.com







	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology) ME	m <b>Chopra</b> D (Pathology) ht Pathologist
NAME	: Mrs. BHARTI VOHRA		
AGE/ GENDER	: 55 YRS/FEMALE	PATIENT ID	: 1751245
COLLECTED BY	: SURJESH	REG. NO./LAB NO.	: 012502100005
<b>REFERRED BY</b>	:	<b>REGISTRATION DATE</b>	: 10/Feb/2025 08:21 AM
BARCODE NO.	: 01525247	COLLECTION DATE	: 10/Feb/2025 08:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	<b>REPORTING DATE</b>	: 10/Feb/2025 03:23PM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT	
Test Name		Value Unit	Biological Reference interval





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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



	Dr. Vinay Chopr MD (Pathology & Mic Chairman & Consulta	robiology)	Dr. Yugam Chopra MD (Pathology) t CEO & Consultant Pathologist	
NAME	: Mrs. BHARTI VOHRA			
AGE/ GENDER	: 55 YRS/FEMALE	PATIEN	IT ID	: 1751245
COLLECTED BY	: SURJESH	REG. NO	D./LAB NO.	: 012502100005
REFERRED BY	:	REGIST	<b>RATION DATE</b>	: 10/Feb/2025 08:21 AM
BARCODE NO.	: 01525247	COLLEC	CTION DATE	: 10/Feb/2025 08:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REPOR	TING DATE	: 10/Feb/2025 09:56AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AME	BALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
	ERYTHROC	YTE SEDIMENTA	ATION RATE (F	ESR)
	DIMENTATION RATE (ESR)	56 <sup>H</sup>	mm/1st ł	
(polycythaemia), sigr as sickle cells in sick <b>NOTE:</b> 1. ESR and C - reactiv 2. Generally, ESR doe 3. <b>CRP is not affected</b> 4. If the ESR is elevat 5. Women tend to ha 6. Drugs such as dexi	en with conditions that inhibit the nor hificantly high white blood cell count le cell anaemia) also lower the ESR. The protein (C-RP) are both markers of es not change as rapidly as does CRP, I by as many other factors as is ESR, m ed, it is typically a result of two types and the protect of the two types and the protect of two types and the protect of two types	(leucocytosis), and s inflammation. either at the start of <b>aking it a better mark</b> s of proteins, globulin id pregnancy can caus	ome protein abnor inflammation or as ter of inflammation. s or fibrinogen.	malities. Šome changes in red cell shape (such it resolves.





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

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







		& Microbiology) nsultant Pathologist	Dr. Yugan MD CEO & Consultant	(Pathology)
NAME	: Mrs. BHARTI VOHRA			
AGE/ GENDER	: 55 YRS/FEMALE	PAT	FIENT ID	: 1751245
COLLECTED BY	: SURJESH	REG	G. NO./LAB NO.	: 012502100005
<b>REFERRED BY</b>	:	REG	<b>GISTRATION DATE</b>	: 10/Feb/2025 08:21 AM
BARCODE NO.	: 01525247	COL	LECTION DATE	: 10/Feb/2025 08:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB	REI	PORTING DATE	: 10/Feb/2025 10:22AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
	CLINI	CAL CHEMISTR GLUCOSE FA		'nY
CLUCOSE EASTING	F (F): PLASMA E - PEROXIDASE (GOD-POD)	131.9 <sup>H</sup>	mg/dL	NORMAL: < 100.0 PREDIABETIC: 100.0 - 125.0

IN ACCORDANCE WITH AMERICAN DIABETES ASSOCIATION GUIDELINES: 1. A fasting plasma glucose level below 100 mg/dl is considered normal. 2. 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. 3. 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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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT







		<b>hopra</b> & Microbiology) onsultant Pathologist		(Pathology)
NAME	: Mrs. BHARTI VOHRA			
AGE/ GENDER	: 55 YRS/FEMALE	]	PATIENT ID	: 1751245
COLLECTED BY	: SURJESH	]	REG. NO./LAB NO.	: 012502100005
REFERRED BY	:	]	REGISTRATION DATE	: 10/Feb/2025 08:21 AM
BARCODE NO.	: 01525247	(	COLLECTION DATE	: 10/Feb/2025 08:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		REPORTING DATE	: 10/Feb/2025 10:22AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	), AMBALA CANTT		
Test Name		Value	Unit	Biological Reference interval
		I IPID PRO	FILE : BASIC	
CHOLESTEROL TO	ΓΔΙ · SFRUM	150.41	mg/dL	OPTIMAL: < 200.0
by CHOLESTEROL OX		150.41	Ing/ uL	BORDERLINE HIGH: 200.0 -
				239.0
				HIGH CHOLESTEROL: > OR = 240.0
TRIGLYCERIDES: S		159.66 <sup>H</sup>	mg/dL	OPTIMAL: < 150.0
by GLYCEROL PHOSP	PHATE OXIDASE (ENZYMATIC)			BORDERLINE HIGH: 150.0 - 199.0
				HIGH: 200.0 - 499.0
				VERY HIGH: $> OR = 500.0$
HDL CHOLESTERO	L (DIRECT): SERUM	39.25	mg/dL	LOW HDL: < 30.0 BORDERLINE HIGH HDL: 30.0
.,				60.0
		70.00	( )7	HIGH HDL: $> OR = 60.0$
LDL CHOLESTEROI by CALCULATED, SPE		79.23	mg/dL	OPTIMAL: < 100.0 ABOVE OPTIMAL: 100.0 - 129.0
				BORDERLINE HIGH: 130.0 -
				159.0 HIGH: 160.0 - 189.0
				VERY HIGH: > OR = 190.0
NON HDL CHOLEST		111.16	mg/dL	OPTIMAL: < 130.0
by CALCULATED, SPE	CIROPHOIOMEIRY			ABOVE OPTIMAL: 130.0 - 159. BORDERLINE HIGH: 160.0 -
				189.0
				HIGH: 190.0 - 219.0 VERY HIGH: > OR = 220.0
VLDL CHOLESTER	DL: SERUM	31.93	mg/dL	0.00 - 45.00
by CALCULATED, SPE	CTROPHOTOMETRY			
FOTAL LIPIDS: SER by CALCULATED, SPE		460.48	mg/dL	350.00 - 700.00
CHOLESTEROL/HD	DL RATIO: SERUM	3.83	RATIO	LOW RISK: 3.30 - 4.40
by CALCULATED, SPE	CIROPHOTOMETRY			AVERAGE RISK: 4.50 - 7.0 MODERATE RISK: 7.10 - 11.0



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.





		hopra & Microbiology) nsultant Pathologist		(Pathology)
NAME	: Mrs. BHARTI VOHRA			
AGE/ GENDER	: 55 YRS/FEMALE		PATIENT ID	: 1751245
COLLECTED BY	: SURJESH		REG. NO./LAB NO.	: 012502100005
<b>REFERRED BY</b>	:		<b>REGISTRATION DATE</b>	: 10/Feb/2025 08:21 AM
BARCODE NO.	: 01525247		COLLECTION DATE	: 10/Feb/2025 08:28AM
CLIENT CODE.	: KOS DIAGNOSTIC LAB		<b>REPORTING DATE</b>	: 10/Feb/2025 10:22AM
CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD	, AMBALA CANTT		
Test Name		Value	Unit	<b>Biological Reference interval</b>
LDL/HDL RATIO: S by CALCULATED, SPE		2.02	RATIO	LOW RISK: 0.50 - 3.0 MODERATE RISK: 3.10 - 6.0 HIGH RISK: > 6.0
TRIGLYCERIDES/H by CALCULATED, SPE	IDL RATIO: SERUM	4.07	RATIO	3.00 - 5.00

## **INTERPRETATION:**

1. Measurements in the same patient can show physiological analytical variations. Three serial samples 1 week apart are recommended for Total Cholesterol, Triglycerides, HDL & LDL Cholesterol.

2. As per NLA-2014 guidelines, all adults above the age of 20 years should be screened for lipid status. Selective screening of children above the age of 2 years with a family history of premature cardiovascular disease or those with at least one parent with high total cholesterol is recommended.

 Low HDL levels are associated with increased risk for Atherosclerotic Cardiovascular disease (ASCVD) due to insufficient HDL being available to participate in reverse cholesterol transport, the process by which cholesterol is eliminated from peripheral tissues.
 NLA-2014 identifies Non HDL Cholesterol (an indicator of all atherogeniclipoproteins such as LDL, VLDL, IDL, Lpa, Chylomicron remnants) along with LDL-cholesterol as co- primary target for cholesterol lowering therapy. Note that major risk factors can modify treatment goals for LDL & Non HDL

5. Additional testing for Apolipoprotein B, hsCRP,Lp(a) & LP-PLA2 should be considered among patients with moderate risk for ASCVD for risk refinement





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	<b>Dr. Vinay Chop</b> MD (Pathology & Mi Chairman & Consult	crobiology)		(Pathology)
NAME	: Mrs. BHARTI VOHRA			
AGE/ GENDER	: 55 YRS/FEMALE		PATIENT ID	: 1751245
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CLIENT ADDRESS	. 0340/ 1, MOHOLSON ROAD, AM	DALA UAN I		
Test Name		Value	Unit	Biological Reference interval
			N TEST (COMPLETE)	
BILIRUBIN TOTAL by DIAZOTIZATION, SI	: SERUM PECTROPHOTOMETRY	0.61	mg/dL	INFANT: 0.20 - 8.00 ADULT: 0.00 - 1.20
	Г (CONJUGATED): SERUM spectrophotometry	0.29	mg/dL	0.00 - 0.40
BILIRUBIN INDIRE	ECT (UNCONJUGATED): SERUM	0.32	mg/dL	0.10 - 1.00
SGOT/AST: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	29.32	U/L	7.00 - 45.00
SGPT/ALT: SERUM by IFCC, WITHOUT PY	[ /RIDOXAL PHOSPHATE	34.87	U/L	0.00 - 49.00
AST/ALT RATIO: S by CALCULATED, SPE	ERUM ECTROPHOTOMETRY	0.84	RATIO	0.00 - 46.00
ALKALINE PHOSPI by Para Nitrophen propanol	HATASE: SERUM IYL PHOSPHATASE BY AMINO METHYL	123	U/L	40.0 - 150.0
GAMMA GLUTAMY by SZASZ, SPECTRO	L TRANSFERASE (GGT): SERUM PHTOMETRY	44	U/L	0.00 - 55.0
TOTAL PROTEINS: by BIURET, SPECTRO	SERUM	8.11 <sup>H</sup>	gm/dL	6.20 - 8.00
ALBUMIN: SERUM by BROMOCRESOL G		4.11	gm/dL	3.50 - 5.50
GLOBULIN: SERUN by CALCULATED, SPE	Λ	4 <sup>H</sup>	gm/dL	2.30 - 3.50
A : G RATIO: SERUI		1.03	RATIO	1.00 - 2.00

INTERPRETATION

NOTE:- To be correlated in individuals having SGOT and SGPT values higher than Normal Referance Range. USE:- Differential diagnosis of diseases of hepatobiliary system and pancreas.

## **INCREASED:**

> 2
> 2 (Highly Suggestive)
1.4 - 2.0
> 1.5
> 1.3 (Slightly Increased)





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	<b>Dr. Vinay Chopra</b> MD (Pathology & Microbio Chairman & Consultant Pa		(Pathology)
NAME	: Mrs. BHARTI VOHRA		
AGE/ GENDER	: 55 YRS/FEMALE	PATIENT ID	: 1751245
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Test Name	Va	lue Unit	Biological Reference interva

## DECREASED:

1. Acute Hepatitis due to virus, drugs, toxins (with AST increased 3 to 10 times upper limit of normal)

2. Extra Hepatic cholestatis: 0.8 (normal or slightly decreased).

NORMAL	< 0.65
GOOD PROGNOSTIC SIGN	0.3 - 0.6
POOR PROGNOSTIC SIGN	1.2 - 1.6



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NAME	: Mrs. BHARTI VOHRA				
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CLIENT ADDRESS	: 6349/1, NICHOLSON ROAD, AN	MBALA CANTT			
Test Name		Value	Unit	<b>Biological Reference interval</b>	
	KIDNI	EY FUNCTION 1	EST (COMPLETE)		
UREA: SERUM		27.21	mg/dL	10.00 - 50.00	
	IATE DEHYDROGENASE (GLDH)		Ũ		
CREATININE: SERUM by ENZYMATIC, SPECTROPHOTOMETERY		0.7	mg/dL	0.40 - 1.20	
-	OGEN (BUN): SERUM	12.71	mg/dL	7.0 - 25.0	
BLOOD UREA NITROGEN (BUN)/CREATININE		18.16	RATIO	10.0 - 20.0	
RATIO: SERUM					
by CALCULATED, SPE UREA/CREATININ		38.87	RATIO		
by CALCULATED, SPE	ECTROPHOTOMETRY				
URIC ACID: SERUM by URICASE - OXIDAS		8.1 <sup>H</sup>	mg/dL	2.50 - 6.80	
CALCIUM: SERUM	ETERORIDAGE	9.54	mg/dL	8.50 - 10.60	
by ARSENAZO III, SPE				0.00 4.70	
PHOSPHOROUS: SE by PHOSPHOMOLYBE	ERUM DATE, SPECTROPHOTOMETRY	4.43	mg/dL	2.30 - 4.70	
ELECTROLYTES					
SODIUM: SERUM		138.6	mmol/L	135.0 - 150.0	
by ISE (ION SELECTIVE ELECTRODE)		4.2		2 50 5 00	
POTASSIUM: SERU by ISE (ION SELECTIV		4.2	mmol/L	3.50 - 5.00	
CHLORIDE: SERUM	1	103.95	mmol/L	90.0 - 110.0	
ESTIMATED GLOM	IERULAR FILTERATION RATE				
(eGFR): SERUM by CALCULATED INTERPRETATION:	ERULAR FILTERATION RATE een pre- and post renal azotemia.	102.1			

To differentiate between pre- and post renal azotemia. INCREASED RATIO (>20:1) WITH NORMAL CREATININE:

1. Prerenal azotemia (BUN rises without increase in creatinine) e.g. heart failure, salt depletion, dehydration, blood loss) due to decreased glomerular filtration rate.

2. Catabolic states with increased tissue breakdown.

3. GI haemorrhage.



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	٢	Dr. Vinay ChopraDr. Yugam ChopraMD (Pathology & Microbiology)MD (Pathology)Chairman & Consultant PathologistCEO & Consultant Pathologist			
IAME	: Mrs. BHARTI	VOHRA			
AGE/ GENDER	: 55 YRS/FEMA	LE	PATIENT ID	: 1751245	
COLLECTED BY	: SURJESH		<b>REG. NO./LAB N</b>	0. : 0125021000	05
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BARCODE NO.	: 01525247		COLLECTION DA		
CLIENT CODE.	: KOS DIAGNOS		REPORTING DAT	<b>FE</b> : 10/Feb/2025 1	U:ZZAM
CLIENT ADDRESS	: 6349/1, NICH	OLSON ROAD, AMBA	LA CANTT		
Fest Name			Value U	nit Biolog	ical Reference interval
DECREASED RATIO (<		renal disease. ASED BUN :	nan creatinine) (e.g. obstructiv	ve uropathy).	
5. Inherited hyperam 7. SIADH (syndrome of 8. Pregnancy. DECREASED RATIO (< 9. Phenacimide thera 2. Rhabdomyolysis (r 8. Muscular patients NAPPROPIATE RATIO 1. Diabetic ketoacido should produce an ir 2. Cephalosporin the CED STAGE G1	10:1) WITH DECRE. rosis. nd starvation. se. ecreased urea syn (urea rather than nmonemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle cr who develop remo- bis (acetoacetate ncreased BUN/crea- rapy (interferes w ULAR FILTERATION Norm	ASED BUN : thesis. creatinine diffuses of is virtually absent in l ntidiuretic harmone) of ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION nal kidney function	ut of extracellular fluid). blood). due to tubular secretion of ure to creatinine). e in creatinine with certain me ement). GFR (mL/min/1.73m2) >90	ea. ethodologies,resulting in no ASSOCIATED FINDINGS No proteinuria	
Acute tubular nect Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an ir Cephalosporin the STIMATED GLOMER CKD STAGE	10:1) WITH DECRE. rosis. nd starvation. se. ecreased urea syn (urea rather than nmonemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle cr who develop remo- bis (acetoacetate ncreased BUN/crea- rapy (interferes w ULAR FILTERATION Norm Kid	ASED BUN : thesis. creatinine diffuses of is virtually absent in l ntidiuretic harmone) of ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION nal kidney function ney damage with	ut of extracellular fluid). blood). due to tubular secretion of ure to creatinine). e in creatinine with certain me ement). GFR ( mL/min/1.73m2 )	ea. ethodologies,resulting in no ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	<u>.</u>
Acute tubular nect Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIC Diabetic ketoacido hould produce an ir Cephalosporin the STIMATED GLOMERI CKD STAGE G1	10:1) WITH DECRE. rosis. nd starvation. se. ecreased urea syn (urea rather than nmonemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle cr who develop remo- bis (acetoacetate ncreased BUN/crea- rapy (interferes w ULAR FILTERATION Norm Kid no	ASED BUN : thesis. creatinine diffuses of is virtually absent in l ntidiuretic harmone) of ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION nal kidney function	ut of extracellular fluid). blood). due to tubular secretion of ure to creatinine). e in creatinine with certain me ement). GFR (mL/min/1.73m2) >90	ea. ethodologies,resulting in no ASSOCIATED FINDINGS No proteinuria	<u>.</u>
Acute tubular nect Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an ir Cephalosporin the STIMATED GLOMERI CKD STAGE G1 G2	10:1) WITH DECRE. rosis. nd starvation. se. ecreased urea syn (urea rather than monemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle cr who develop remo- basis (acetoacetate noreased BUN/creation creased BUN/creation District and the second more as a second to the second to the second more as a second to the second to the second more as a second to the second to the second more as a second to the second to the second more as a second to the se	ASED BUN : thesis. creatinine diffuses of is virtually absent in l ntidiuretic harmone) of ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR	ut of extracellular fluid). blood). due to tubular secretion of ure to creatinine). e in creatinine with certain me ement). GFR (mL/min/1.73m2) >90 >90 60 -89 30-59	ea. ethodologies,resulting in no ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	<u>.</u>
Acute tubular necr Low protein diet a Severe liver diseas Other causes of de Repeated dialysis Inherited hyperam SIADH (syndrome of Pregnancy. DECREASED RATIO (< Phenacimide thera Rhabdomyolysis (r Muscular patients NAPPROPIATE RATIO Diabetic ketoacido hould produce an ir Cephalosporin the <u>STIMATED GLOMERI</u> <u>G1</u> <u>G2</u> <u>G3a</u>	10:1) WITH DECRE. rosis. nd starvation. se. ecreased urea syn- (urea rather than monemias (urea of inappropiate ar 10:1) WITH INCRE/ apy (accelerates co releases muscle cr who develop rem- bis (acetoacetate ncreased BUN/crea- rapy (interferes w ULAR FILTERATION ULAR FILTERATION Kid nor Kid Norm	ASED BUN : thesis. creatinine diffuses of is virtually absent in l ntidiuretic harmone) of ASED CREATININE: onversion of creatine reatinine). al failure. causes false increase atinine ratio). ith creatinine measur IRATE: DESCRIPTION nal kidney function ney damage with rmal or high GFR d decrease in GFR	ut of extracellular fluid). blood). due to tubular secretion of ure to creatinine). e in creatinine with certain me ement). GFR (mL/min/1.73m2) >90 >90 60 -89	ea. ethodologies,resulting in no ASSOCIATED FINDINGS No proteinuria Presence of Protein ,	<u>.</u>



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









	Dr. Vinay Chopra MD (Pathology & Micro Chairman & Consultan	obiology) MI	m Chopra D (Pathology) nt Pathologist
NAME	: Mrs. BHARTI VOHRA		
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Test Name		Value Unit	Biological Reference interva

COMMENTS:

Estimated Glomerular filtration rate (eGFR) is the sum of filtration rates in all functioning nephrons and so an estimation of the GFR provides a measure of functioning nephrons of the kidney.
 eGFR calculated using the 2009 CKD-EPI creatinine equation and GFR category reported as per KDIGO guideline 2012
 In patients, with eGFR creatinine between 45-59 ml/min/1.73 m2 (G3) and without any marker of Kidney damage, It is recommended to measure of CFD with the commended to measure

3. In patients, with eGFR cleaning between 45-59 minimit 1.73 m2 (G3) and without any marker of Kidney damage, it is recommended to measure eGFR with Cystatin C for confirmation of CKD
4. eGFR category G1 OR G2 does not fulfill the criteria for CKD, in the absence of evidence of Kidney Damage
5. In a suspected case of Acute Kidney Injury (AKI), measurement of eGFR should be done after 48-96 hours of any Intervention or procedure
6. eGFR calculated by Serum Creatinine may be less accurate due to certain factors like Race, Muscle Mass, Diet, Certain Drugs. In such cases, eGFR should be calculated using Serum Cystatin C
7. A decrease in eGFR implies either progressive renal disease, or a reversible process causing decreased nephron function (eg, severe dehydration).

ADVICE:

KDIGO guideline, 2012 recommends Chronic Kidney Disease (CKD) should be classified based on cause, eGFR category and Albuminuria (ACR) category. GFR & ACR category combined together reflect risk of progression and helps Clinician to identify the individual who are progressing at more rapid rate than anticipated



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TEST PERFORMED AT KOS DIAGNOSTIC LAB, AMBALA CANTT.



KOS Diagnostic Lab (A Unit of KOS Healthcare)

	<b>Dr. Vinay Ch</b> e MD (Pathology & Chairman & Cons		Dr. Yugam MD CEO & Consultant	(Pathology)
NAME AGE/ GENDER COLLECTED BY REFERRED BY BARCODE NO. CLIENT CODE. CLIENT ADDRESS	: Mrs. BHARTI VOHRA : 55 YRS/FEMALE : SURJESH : : 01525247 : KOS DIAGNOSTIC LAB : 6349/1, NICHOLSON ROAD, A	REG REG COL REP	IENT ID . NO./LAB NO. ISTRATION DATE LECTION DATE ORTING DATE	: 1751245 <b>: 012502100005</b> : 10/Feb/2025 08:21 AM : 10/Feb/2025 08:28AM : 10/Feb/2025 03:32PM
Test Name		Value	Unit	<b>Biological Reference interval</b>
		UNOPATHOLO D FACTOR (RA):		
SERUM by NEPHLOMETRY INTERPRETATION:- RHEUMATOID FACTOI 1. Rheumatoid factor 2. Over 75% of patier useful although it ma 3. Inflammatory Mark 4. The titer of RF corr 5. The test is useful fi RHEUMATOID ARTHIR 1. Rheumatoid Arthir membrane lining (syr 2. The disease spreda 3. The diagnosis of RA measurement of RA fa CAUTION (FALSE POS 1. RA factor is not spe 2. Non rheumatoid an RA patients have a no 3. Patients with variou lupus erythematosus, 4. Anti-CCP have been specific (98%) than RA 5. Upto 30 % of patier	s (RF) are antibodies that are directives with rheumatoid arthritis (RA) y not be etiologically related to R cers such as ESR & C-Reactive pro- elates poorly with disease activity or diagnosis and prognosis of rhe <b>ITIS:</b> itis is a systemic autoimmune dis- novium) joints which ledas to pro- is from small to large joints, with A is primarily based on clinical, ra- actor. <b>ITVE):</b> <i>cific for Rheumatoid arthiritis, as it d rheumatoid arthritis (RA) popula</i> <i>nreactive titer and 8% of nonrheur</i> <i>is nonrheumatoid diseases, charac</i> <i>polymyositis, tuberculosis, syphilis</i> <i>discovered in joints of patients wi</i> <i>factor.</i> <i>ts with Seronegative Rheumatoid is for</i>	) have an IgM antibod A. tein (CRP) are normal y, but those patients v eumatoid arthritis. sease that is multi-fur ogressive joint destruct greatest damage in e adiological & immuno t is often present in hea ations are not clearly se matoid patients have a terized by chronic infla s, viral hepatitis, infecti th RA, but not in other arthiritis also show Ar or Rheumatoid Arthiriti	y to IgG immunoglobu in about 60 % of patie vith high titers tend to actional in origin and i ction and in most case arly phase. logical features. The n althy individuals with o eparate with regard to positive titer). mmation may have po- ous mononucleosis, ar form of joint disease. A sti-CCP antibodies. s is far greater than Rh	ulin. This autoantibody (RF) is diagnostically ents with positive RA. have more severe disease course. is characterized by chronic inflammation of the es to disability and reduction of quality life. nost frequent serological test is the other autoimmune diseases and chronic infections. the presence of rheumatoid factor (RF) (15% of sitive tests for RF. These diseases include systemic an influenza. Nati-CCP2 is HIGHLY SENSITIVE (71%) & more
	un a	** End Of Repor	ira .	

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

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