



## DEPARTMENT OF HAEMATOLOGY

National Institute of Cancer Research and Hospital  
Mohakhali, Dhaka-1212, Bangladesh

Lab. ID. NO:	26/23		
Name of Patient :	Md Sakil		
Age:	24 years	Sex:	Male
Sample Collection Date:	14.03.2026	Hospital Reg No:	2603001648
Reporting Date:	15.03.2026		
Clinical Note:	Acute leukemia.		

### FLOW CYTOMETRY Acute Leukaemia and Comprehensive Diagnosis

Marker	Result (Blast region)	Result (Monocyte region)
<b>B-cell Markers:</b>		
CD10	Negative	Negative
CD19	Negative	Negative
CD20	Negative	Negative
CD22	Negative	Negative
CD79a	Negative	Negative
<b>T-cell Markers:</b>		
CD3	Negative	Negative
CD5	Negative	Negative
CD7	Negative	Negative
CD1c	Negative	Negative
cyCD3	Negative	Negative
CD8	Negative	Negative
CD2	Negative	Negative
<b>Myeloid/Monocytic Markers:</b>		
CD15	Negative	Negative
CD13	Positive (Moderate,94%)	Positive (Moderate,70%)
CD33	Negative	Positive (Moderate,90%)
CD14	Negative	Positive (Moderate,56%)
CD64	Negative	Positive (Moderate,65%)
CD4	Negative	Positive (Moderate,60%)
CD117	Positive (Moderate,90%)	Negative
Anti MPO	Positive (Moderate,24%)	Positive (Moderate,32%)
<b>Other Markers:</b>		
CD34	Positive (Bright,97%)	Negative
CD45	Positive (Dim to moderate)	Positive (Moderate)
HLA-DR	Positive (Moderate,46%)	Positive (Moderate to bright,88%)
TdT	Negative	Negative
Specimen type: Peripheral blood	Total Leucocyte Count (TLC):	197990/ $\mu$ l
Instrument/Software: Attune NxT Acoustic Focusing Cytometer, USA	Gating: SSC vs CD45	
Cell Preparation Method: 1. Stain-Lysis-Wash for surface antibodies. 2. Stain-Lysis-Wash-Fixation-Permeabilization for cytoplasmic antibodies.		
Peripheral smear morphology: Acute myeloid leukemia.		
Bone marrow morphology: Not done.		
<b>Phenotype:</b> In SSC vs CD45 gating strategy, the provided specimen presents with two suspicious cell clusters, one in the blast region (31.06%) and another one in the monocytic region (49.64%). Other cells are few lymphocytes and granulocytes. On further analysis, these cells express the above immunophenotyping findings.		
<b>Impression:</b> The overall flow-cytometric findings of provided specimen is compatible with <b>Acute myeloid leukemia</b> which morphologically corresponds <b>AML with myelomonocytic differentiation</b> .		
Advice: Leukemia genetic profile and Karyotyping.		

  
Sample prepared by-  
Medical Technologist  
Department of Haematology,  
NICRH

  
**Dr. Salina Haque**  
Associate Professor  
Department of Haematology,  
NICRH

**Dr. Fatema Ahmed**  
Associate Professor  
Department of Haematology,  
NICRH

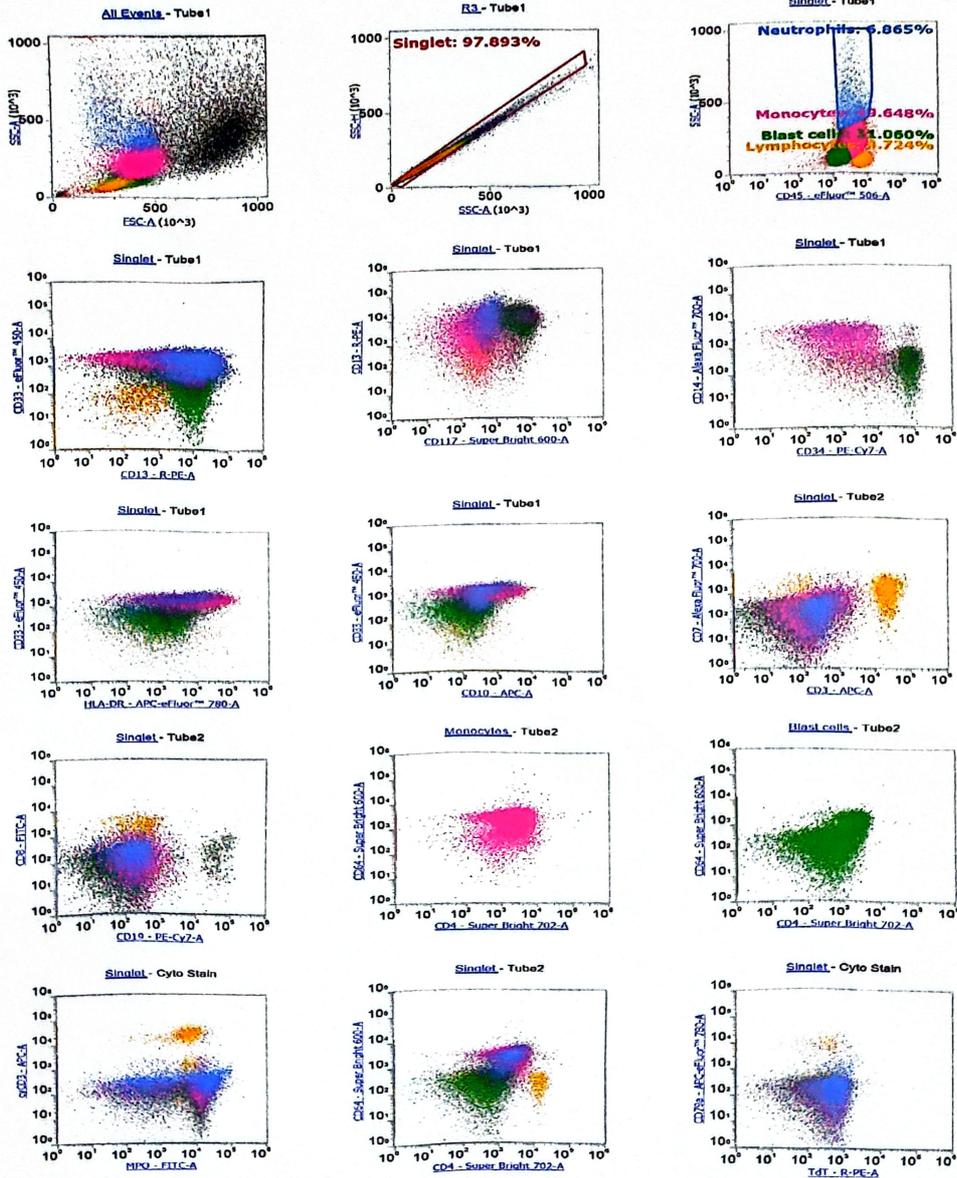
**Dr. A K M Mynul Islam**  
Associate Professor & Head  
Department of Haematology,  
NICRH



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 Associate Professor & Head  
 Department of Haematology,  
 NICRH

# Department of Haematology

NATIONAL INSTITUTE OF CANCER RESEARCH & HOSPITAL  
Mohakhali, dhaka-1212, Bangladesh, Tel: 8826561-401 web.nicrhbd.org

Sample No:	1858	Patient ID:	Receiving Date: 15/03/2026
Patient Name:	MD SHAKIL	Age: 24Y	Sex: Male
Clinical Note:	AML	OPD/Bed:	

## Haematology Report

Estimations are carried out by SYSMEX Automated Haematology Analyzer (Model: XN-550)

Test	Result	Unit	Reference Values
Haemoglobin	6.7	g/dL	M: 15.5 ± 2.0, F: 14.0 ± 2.5 g/dL
ESR (Westergren Method)			M: 0 - 10, F: 0 - 12mm in 1st hr
<b>Total Count</b>			
Total WBC Count	160.46	X 10 <sup>3</sup> /uL	7.5 ± 3.5 X 10 <sup>3</sup> /uL
Neutrophils	78.63	X 10 <sup>3</sup> /uL	2.16 - 6.04 X 10 <sup>3</sup> /uL
Lymphocytes	16.05	X 10 <sup>3</sup> /uL	0.60 - 3.06 X 10 <sup>3</sup> /uL
Monocytes	65.79	X 10 <sup>3</sup> /uL	0.00 - 0.60 X 10 <sup>3</sup> /uL
<b>Differential Count</b>			
Neutrophils	49	%	Child ( 25 - 66 %), Adult (40 - 75 %)
Lymphocytes	10	%	Child ( 25 - 62 %), Adult (20 - 45 %)
Monocytes	41	%	Child ( 02 - 07 %), Adult (02 - 10 %)
Eosinophils	00	%	Child ( 00 - 03 %), Adult (00 - 06 %)
Basophils	00	%	00 - 01%
<b>RBC Panel</b>			
Total RBC Count	2.65	X 10 <sup>6</sup> /uL	5.5 ± 1.0 X 10 <sup>6</sup> /uL
HCT	21.2	%	M:47 ± 0.7, F: 42 ± 05 %
MCV	80	fL	86 ± 10 fL
MCH	25.3	pg	29.5 - 2.5 pg
MCHC	31.6	g/dL	32.5 ± 2.5 g/dL
RDW-SD	57.1	fL	42.5 ± 3.5 fL
RDW-CV	19.3	%	12.8 ± 1.2 %
<b>PLT Panel</b>			
Total Platelet Count	08	X 10 <sup>3</sup> /uL	150 - 450 X 10 <sup>3</sup> /uL
MPV	0.00	fL	9 - 13 fL
P-LCR	0.00	%	13 - 43 %
PCT	0.00	%	<= 09 %
PDW	0.00	fL	9 - 17 fL

Medical Technologist (Lab)  
NICRH, Mohakhali, Dhaka-1212.

Checked by

CONSULTANT, HAEMATOLOGY, DEPARTMENT OF  
HAEMATOLOGY  
National Institute of Cancer Research & Hospital.



Government of the People's Republic of Bangladesh  
National Institute of Cancer Research & Hospital (NICRH)  
Mohakhali, Dhaka-1212



Department of Laboratory Medicine

BIO-CHEMICAL ANALYSIS REPORT



Lab No : 1783 Receipt No : 2603003397 Reg. No : 2603001648 Specimen : BLOOD  
Patient Name : MD SAKIL Gender : Male Age : 24 Y 0M 0D  
Contact No : Address : Collection Site : NICRH  
Collection Date : 15 Mar 2026 Print Date : 15-Mar-26 12:29 pm Delivery Date : 16 Mar 2026

Estimations are carried out by Automated Biochemistry Analyzer (Indiko Plus)

Test Name	Result	Unit	Reference Range
Uric Acid	9.73	mg/dl	3 - 7 mg/dl
SGOT (AST)	27	U/L	Up to 38 U/L
S. Albumin	4.00	g/dl	3.5 - 5.0 g/dl
S. Calcium	9.17	mg/dl	8.5 - 10.2 md/dl
LDH	1390	U/l	100-190
SGPT (ALT)	19	U/L	Up to 42 U/L
Creatinine	1.07	mg/dl	Male : 0.60 - 1.20 mg/dl Female : 0.50 - 1.10 mg/dl Child : 0.30 - 0.70 mg/dl
<b>ELECTROLYTES</b>			
Sodium (Na)	135.60	mmol/L	135-145 mmol/L
Potassium (K)	3.68	mmol/L	3.50-5.10 mmol/L
Chloride (Cl)	97.90	mmol/L	96-107 mmol/L

Md. Ali Ashraf  
Lab. Incharge  
Medical Technologist (Lab)  
NICRH Mohakhali, Dhaka - 1212

Consultant, Pathology  
Department Of Laboratory Medicine  
National Institute Of cancer Research & Hospital  
Mohakhali, Dhaka - 1212



## ECHOCARDIOGRAM REPORT



MRN	: H12603067336	Order No	: B260315072416
Patient Name	: MD. SHAKIL	Exam No	: 12603070050
Age/Gender	: 24Y / M	Order Date	: 15/03/2026 12:03 am
Report No	: 1260000027954	Exam Date	: 15/03/2026 03:03 pm
Bed No	:	Report Date	: 15/03/2026 04:03 pm
Ref. Doctor	: NICRH, Dhaka	Report Status	: FINALIZED

Test Name : ECHO- 2D

## ECHOCARDIOGRAM – REPORT

### MEASUREMENTS:

IVSd	09 mm	AO	28 mm
LVPWd	08 mm	LA	35 mm
LVIDd	43 mm	ACS	20 mm
LVIDs	27 mm	MVA	cm <sup>2</sup>
EF	66 %	PASP	mmHg
FS	36 %	mPAP	

### Description:

- . LV– Normal
- . LA– Normal
- . RA, RV– Normal
- . PO & PA– Normal

### All Cardiac valves: Are normal in morphology and motion.

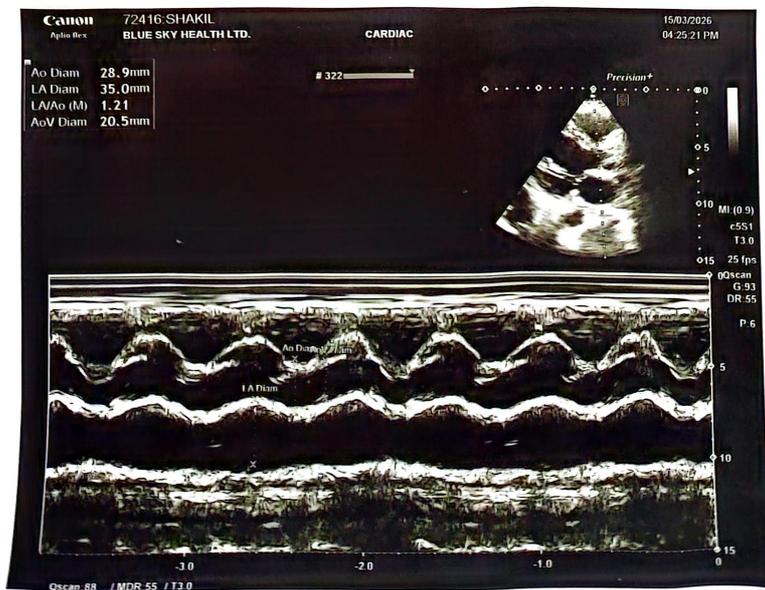
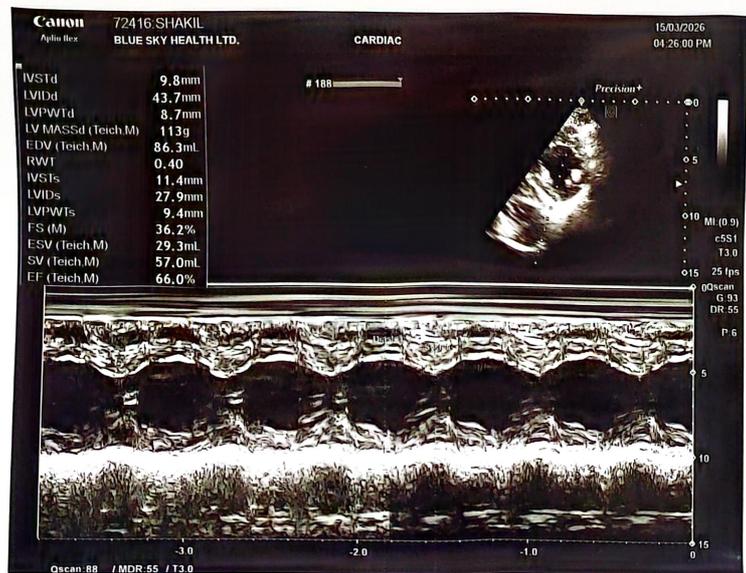
- . IAS – Normal
- . IVS – Normal

### IMPRESSION:

1. No Regional wall motion abnormality.
2. Good LV systolic function EF-(66 %)
3. Good RV function TAPSE-(22 mm)

Nilufa lasmin  
Medical Report Writer

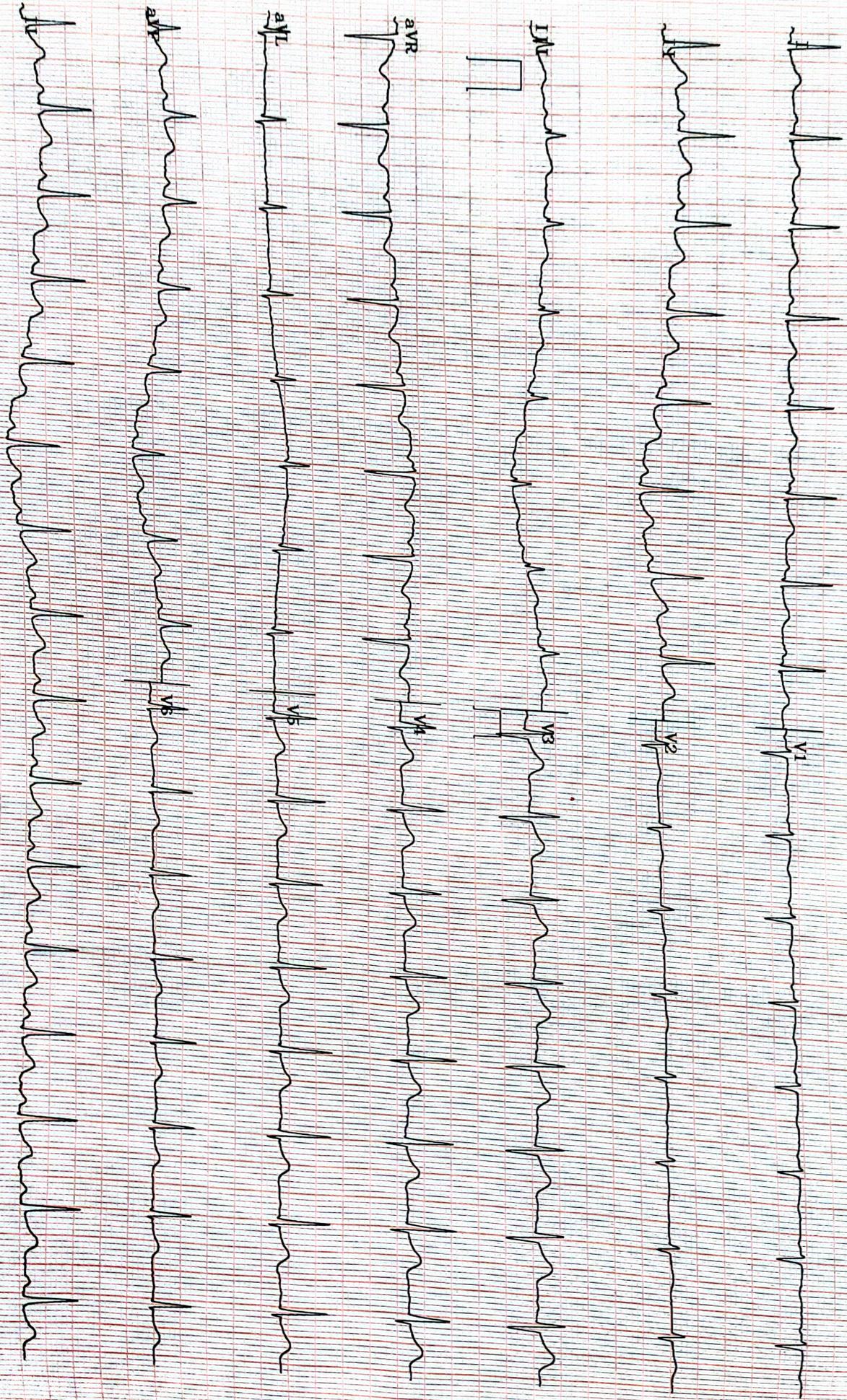
  
DR. MD. DELWAR HOSSAIN  
MBBS, MPH, D-Card,  
Assistant Professor (Cardiology) , NICVD,



ID : 2370  
Name: MR SHAKIL  
Age : 24 years  
Sex : Male  
H : 0 cm / W : 0 kg

Heart Rate: 96 bpm  
PR/RR Int.: 138/625 ms  
QRS Dur: 86 ms  
QT/QTc: 368/464 ms  
P-R-T axes: 57 48 60  
SV1/RV5/R+S: 0.96/1.62/2.58mV

\*\* Analysis Result \*\* (To be finally confirmed by physician)  
Normal Sinus Rhythm  
Normal Axis  
[ Normal ECG ]



URGENT  
১৫/৩

মেডিকেল কলেজ হাসপাতাল, ঢাকা  
প্যাথোলজিক্যাল রিপোর্ট

60094

XN series admin

COLLEGE & HOSPITAL - 2  
: HEMATOLOGY & BMT

4 Position5 2026/03/11 11:15:41 WB  
Doctor:  
Birth: Sex:  
Nickname: XN-2000-1-L

রোগীর নাম ...Shakil..... পুরুষ/মহিলা  
বয়স ...24y..... বেড নং ...H:OPD..... ওয়ার্ড নং .....

চিকিৎসক বা সার্জন .....

পরীক্ষার দ্রব্যাদি .....

রোগ নির্ণয় .....

অসুখের সংক্ষিপ্ত বিবরণ ...Suspected ALL... DM on FNAC

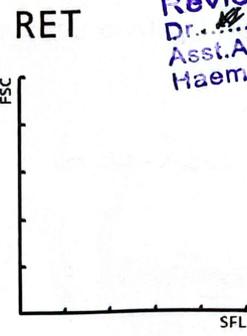
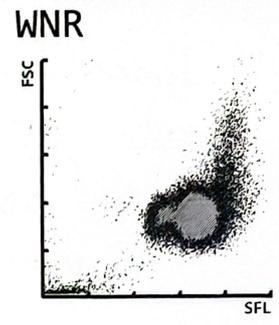
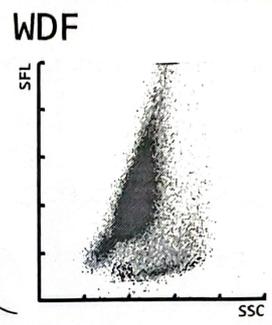
কোন জাতীয় পরীক্ষার প্রয়োজন ...CBC & PBE.....

প্যাথোলজিক্যাল রেকর্ড নং .....

পরীক্ষার ফলাফল .....

স্বাক্ষর  
Dr. Tamim  
MBBS (Hematology)  
Resident Physician (R)  
Hematology & BMT Unit  
Dhaka Medical College Hospital

নং ইউ (ওএন্ডএম) ৭৭/৭৫-৫১৬ অং ৮-৫-৫৫  
বাংলাদেশ নিরাপত্তা মুদ্রালায়-৫৬/২০২৪-২৫/ ২০ লক্ষ কপি, মুদ্রালায় নং- ২২৩/২০২৪-২৫



Reviewed by  
Dr. ...  
Asst. Assoc. Professor  
Haematology, DMCH

১/১  
১/১  
১/১

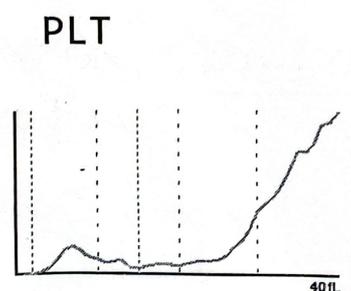
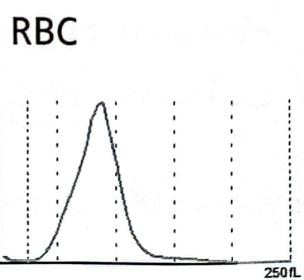
40%

LFR	[%]
MFR	[%]
HFR	[%]
RET-He	[pg]
WBC-BF	[10 <sup>3</sup> /uL]
RBC-BF	[10 <sup>6</sup> /uL]
MN	[10 <sup>3</sup> /uL] [%]
PMN	[10 <sup>3</sup> /uL] [%]
TC-BF#	[10 <sup>3</sup> /uL]

WBC IP Message  
WBC Abn Scattergram  
Neutrophilia  
Lymphocytosis  
Monocytosis  
Basophilia  
Leukocytosis  
...

RBC IP Message  
Anisocytosis  
Anemia

PLT IP Message  
PLT Abn Distribution  
Thrombocytopenia  
PLT Clumps?



P. 17-0-

DHAKA MEDICAL COLLEGE & HOSPITAL - 2  
DEPARTMENT OF HEMATOLOGY & BMT

Sample No.: 33260560094  
Patient ID: Shakil 24Y  
Name:  
Sample Comment:

Rack: 4  
Ward:

Position5 2026/03/11 11:15:41 WB  
Doctor:  
Birth:  
Sex:  
Nickname: XN-2000-1-L

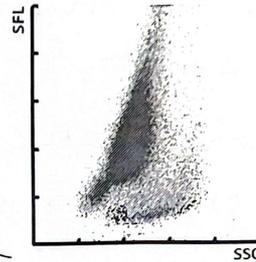
Positive

Diff. Morph. Count

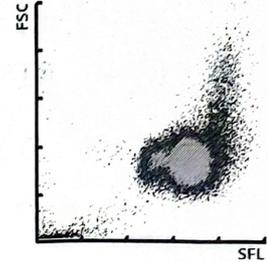
WBC	165.88	+	[10 <sup>3</sup> /uL]
RBC	3.44		[10 <sup>6</sup> /uL]
HGB	8.8		[g/dL]
HCT	28.7		[%]
MCV	83.4	-	[fL]
MCH	25.6	-	[pg]
MCHC	30.7	-	[g/dL]
PLT	16	*	[10 <sup>3</sup> /uL]
RDW-SD	60.0	+	[fL]
RDW-CV	20.1	+	[%]
PDW	----		[fL]
MPV	----		[fL]
P-LCR	----		[%]
PCT	----		[%]
NRBC	0.00		[10 <sup>3</sup> /uL]
NEUT	87.52	*	[10 <sup>3</sup> /uL]
LYMPH	26.18	*	[10 <sup>3</sup> /uL]
MONO	51.34	*	[10 <sup>3</sup> /uL]
EO	0.11	*	[10 <sup>3</sup> /uL]
BASO	0.73	+	[10 <sup>3</sup> /uL]
IG	4.97	*	[10 <sup>3</sup> /uL]
RET			[%]
IRF			[%]
LFR			[%]
MFR			[%]
HFR			[%]
RET-He			[pg]
WBC-BF			[10 <sup>3</sup> /uL]
RBC-BF			[10 <sup>6</sup> /uL]
MN			[10 <sup>3</sup> /uL]
PMN			[10 <sup>3</sup> /uL]
TC-BF#			[10 <sup>3</sup> /uL]

0.0 [%]  
52.7 \* [%] N. 15%  
15.8 \* [%] L. 10%  
31.0 \* [%] M. 35%  
0.1 \* [%]  
0.4 \* [%]  
3.0 \* [%] Blast. 40%  
[10<sup>6</sup>/uL]

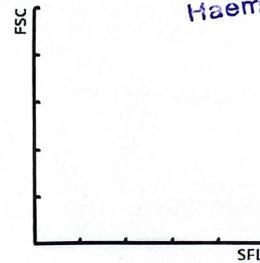
WDF



WNR

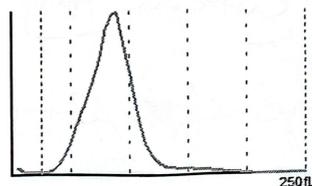


RET

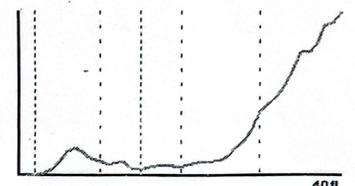


Reviewed by  
Dr. [Signature] / [Signature]  
Asst. Assoc. Professor  
Haematology, DMCH

RBC



PLT



WBC IP Message  
WBC Abn Scattergram  
Neutrophilia  
Lymphocytosis  
Monocytosis  
Basophilia  
Leukocytosis  
...

RBC IP Message  
Anisocytosis  
Anemia

PLT IP Message  
PLT Abn Distribution  
Thrombocytopenia  
PLT Clumps?

P. 17-0-

MP-12  
W-06

ডাঙা বিহীন

Received by  
Kostuni  
at: 1:45 Am  
on-16/03/26

রোগী ভর্তির ফরম ও রোগ বৃত্তান্ত

রেজিঃ নং ও তারিখ 2603001648

হাসপাতালের নাম NIERH

নাম Sakil পিতা/স্বামীর নাম CIO Saidul

বয়স 24 Yr. পুরুষ/মহিলা পুরুষ ধর্ম পেশা

ঠিকানা (বর্তমান) প্রায়তনপাড়া রাস্তা 01733589796 (ফোন)

স্থায়ী থানা: প্রায়তনপাড়া জেলা: বরিশাল

নিকট/স্থানীয় আত্মীয়ের নাম

ঠিকানা NIP-2412505825

ভর্তির তারিখ 16-03-26 সময় ছাড়িয়া দেওয়ার তারিখ সময়

রোগ AML

HOU বিভাগে W-6 ওয়ার্ডে ভাড়া/বিনা ভাড়া

MP-12 এর অধীনে ভর্তি করা হইল।

স্বাক্ষর

নাম

পদবী

কবিন/শয্যা নম্বর

সংক্ষিপ্ত ইতিহাস

হেমাটোলজি বিভাগ NICRH  
ভর্তির সময়  
বেড নং MP-12  
ওয়ার্ড/কবিন W-6

৩৩৮ বিহীন

রসিদ

২৪৪৫৬০৭

গণপ্রজাতন্ত্রী বাংলাদেশ সরকার

বিভাগ

৩০৩০০/৬৭৪

পত্র-১/৮-৫৪/৭৬-১৯১৩, তার ২২-৭-১৯৯৭  
দেশি নিয়ন্ত্রণ সুপ্রকল্প-৫৪/২০২৪-২৫/১ লক্ষ বই, মুদ্রাসংকেত নং ৪২/২০২৪-২০২৫।

জনাব সাকিল ২৪ নিকট হইতে বুঝিয়া পাইলাম  
 পত্র নং বিছানা ভাড়া (৩৩৫ X ৩) = ১৯৯/- ২০ মাধ্যমে  
 মোট টাকা ভাড়া ফি কথায় = ১৫/-  
 নগদ/চেকে মোট = ১৯৯/- এর মূল্য বাবদ।  
 হিসাব রক্ষক কথায় (নয়শত নব্বই টাকা)  
 কোষাধ্যক্ষ দস্তখত  
পদবী

৫৪৩.৭৩৬ (পাঁচ)

ঠিকানা NIP-২৭১২৩৩০০০  
 ভর্তির তারিখ 16-03-26 জন্ম ছাড়িয়া দেওয়ার তারিখ সময়  
 রোগ AML  
HOU বিভাগে W-6 ওয়ার্ডে ভাড়া/বিনা ভাড়া  
MP-12 এর অধীনে ভর্তি করা হইল।

স্বাক্ষর ১৬-০৩-২৬

স্বাক্ষর স্বাক্ষর  
 নাম স্বাক্ষর  
 পদবী স্বাক্ষর

কবিন/শয্যা নম্বর হেমাটোলজি বিভাগ NICRH  
 ভর্তির স্থান বিদ্যুৎ বিভাগ  
 বেড নং MP-12  
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