

ANDROLOGY LABORATORY		SEMEN ANALYSIS	
Name of patient:	ADNAN RAHMAN	HN:	R2308013119
Spouse:		Age:	41 Years
Address:		Test Date:	29.8.2023
Referring Doctor:	DR.NARGIS FATEMA		
Sample Information			
Method of production:	Masturbation	Place of Production:	SFC
Completeness:	Complete	Abstinence:	05 days
		Time:	11 am
Macro Examination			
Appearance:	Normal	pH:	7.6 * [Ref 7.2 to 8.0]
Liquefaction:	30 min	Odor:	Normal
		Viscosity:	Normal
		Volume:	02 ml Ref 1-7ml
Micro Examination			
Debris:	+++	Round cells:	1/ occ
Leukocyte:		Sperm Viability:	84% Ref 60%
Clumping:	>5	Type:	
Sperm Density			
Sperm Concentration	M/ml	* [Ref ≥ 15M/ml]	32 m/ML
Total sperm count	(M/ejaculate)		64 M
Total Motility	(%)	Ref >39 %	37%
a Fast Progressive	(%)		05%
b Slow Progressive	(%)		14%
c Non Progressive	(%)		18%
d Non Motile	(%)		63%
Sperm Morphology			
a Normal forms	(%)	* [Ref ≥ 04%]	11%
b Head defects	(%)		60%
c Neck Mid-piece defects	(%)		16%
d Tail defects	(%)		13%
e Immature cells	(%)		0%
COMMENTS: ASTHENOSPERMIA			

*[Ref = Reference Range Based on WHO: 2021]

Shaila
 29.8.23
 Signature/Date



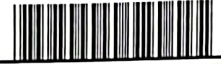
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INVESTIGATION REPORT



Lab No/Manual No :	1555754 / 23070407	Order No. :	OP24/57244
Patient Name :	MD. ADNAN RAHMAN	UHID :	912466
Age/Gender :	41 Yrs/Male	Sample Collected :	19/07/2023 10:57AM
Referred By :	PROF. DR. KAMRUN NESSA / SELF	Sample Received :	27/07/2023 10:33AM
Clinical History :		Report Date :	29/07/2023 10:56AM
Bed No/Ward :	OPD	Report Status :	Finalized

CLINICAL PATHOLOGY

Test Name	Result	Unit	Reference Range	Method
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SEMEN ANALYSIS/H&E STAIN FOR SPERM MORPHOLOGY

(ACCORDING TO WHO 2010 GUIDELINES)

Time of collection	10:32 AM		
Time of examination	11:02 AM		
Physical Examination			
Colour	Whitish		
Volume (ml)	1.5	> or = 1.5	
Liquefaction	30 Mins	Within 30 Mins	
Fructose Test	Positive	Positive	
pH	Alkaline	Alkaline	
Microscopic Examination			
Sperm Concentration (M/ml)	<u>16</u>	> or = 15	
Total Sperm count (M/ ejaculate)	24	> or = 39	
Morphology (% Normal)	<u>02</u>	> or = 04	
Vitality (% Live)	65	> or = 58	
Motility within 1 hour of ejaculation			
Total Motility (PR+NP,%)	<u>60</u>	> or = 40	
Progressive motility (PR,%)	<u>25</u>	> or = 32	
Pus cells	1-3	/HPF	
RBCs	Occasional	/HPF	
Epithelial Cells	0-2	/HPF	
Small agglutinates	Nil		
Large agglutinates	Nil		
Aggregates	Nil		
Comment :	Teratoasthenozoospermia.		

End of Report

Mr. MD REZAULHAQUE

Chief Technologist

Prepared By: Ms. Mukta Mondal

Dr. SABRINA RUBAIYAT IVY

MBBS, DCP

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Printed By: 20385

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SENIOR CONSULTANT

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INVESTIGATION REPORT



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Lab No/Manual No : 1555754

Patient Name : MD. ADNAN RAHMAN

Age/Gender : 41 Yrs/Male

Referred By : PROF. DR. KAMRUN NESSA / SELF

Clinical History :

Bed No/Ward : OPD

Order No. : OP24/57244

UHID : 912466

Sample Collected : 19/07/2023 10:44AM

Sample Received : 19/07/2023 02:23PM

Report Date : 19/07/2023 05:02PM

Report Status : Finalized

BIOCHEMISTRY

Test Name	Result	Unit	Reference Range	Method
TSH	3.3	μIU/ml	0.4 - 5.3	CLIA / ELFA
GLUCOSE (Fasting).	5.5	m mol/L	Normal : 3.6 - 5.5 Impaired : 5.6 - 6.9 Diabetic : > 7.0	Hexokinase
GLUCOSE (Post Prandial)	6.4	m mol/L	Normal : <7.8 Impaired : 7.8-11.1 Diabetic : >11.1	Hexokinase

Sample: Serum

Sample: Plasma

Sample: Plasma

End of Report

MD RAIHAN KABIR

PRINCIPAL BIOCHEMIST

Dr. FARHANAZ HAIDER
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SENIOR SPECIALIST

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Emergency and Appointment Hotline 10678



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Lab No./Manual No : 1555754

Patient Name : MD. ADNAN RAHMAN

Age/Gender : 41 Yrs/Male

Referred By : PROF. DR. KAMRUN NESSA / SELF

Clinical History :

Bed No./Ward : OPD

Order No. : OP24/57244

UHID : 912466

Sample Collected : 19/07/2023 10:44AM

Sample Received : 19/07/2023 11:16AM

Report Date : 19/07/2023 05:25PM

Report Status : Finalized

HAEMATOLOGY

Test Name	Result	Unit	Reference Range	Method
CBC				
Red Blood Cells				
HB (HEMOGLOBIN)	15.1	gm/dl	13.5 - 17.5	Flowcytometry.
HbC Count	6.62	10 ¹² /L	4.50 - 6.50	Carried out by sysmex XN-2000 series.
PCV [PACKED CELL VOLUME]	46.50	%	40.00 - 52.00	
MCV	70.20	fl	83.00 - 101.00	
MCH	22.80	pg	27.00 - 32.00	
MCHC	32.50	%	31.50 - 34.50	
RDW-SD	37.20	fl	39.00 - 46.00	
RDW-CV	16.70	%	11.60 - 14.00	
Nucleated red blood cells	0	%		
WBC Count	10.92	10 ⁹ /L	4.00 - 11.00	
Differential Counts				
Neutrophils	61.70	%	40.00 - 80.00	
Lymphocytes	28.60	%	20.00 - 40.00	
Monocytes	4.90	%	2.00 - 8.00	
Eosinophils	4.50	%	1.00 - 6.00	
Basophils	0.30	%	0.00 - 1.00	
Absolute Values				
Absolute Neutrophils Count	6.75	10 ⁹ /L	2.00 - 7.00	
Absolute Lymphocytes Count	3.12	10 ⁹ /L	1.00 - 3.00	
Absolute Monocytes Count	0.53	10 ⁹ /L	0.20 - 1.00	
Absolute Eosinophils Count	0.49	10 ⁹ /L	0.02 - 0.50	
Absolute Basophils Count	0.03	10 ⁹ /L	0.02 - 0.10	
PLATELET COUNT				
MPV	8.60	fl	8.80 - 11.30	
PDW	9.30	fl	9.30 - 14.00	

Sample: Whole Blood

End of Report



Mr. Md Rostom Ali Mondal

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