


**Laboratory Investigation Report**

Patient Name	[REDACTED]	Centre	: 910 - Max Hospital - Saket M S S H
Age/Gender	[REDACTED]	OP/IP No	: IP/206312/3214D
UHID/Mobile	: [REDACTED]	Collection Date/Time	: 24/Mar/2021 12:16AM
Lab ID	: [REDACTED]	Receiving Date	: 24/Mar/2021
Ref Doctor	: [REDACTED] (Neuro)	Reporting Date	: 24/Mar/2021

**Clinical Biochemistry**
**KFT Profile with Calcium, Uric Acid\*, Serum**

Date	24/Mar/2021 12:16AM	Unit	Bio Ref Interval
Urea Urease, UV	18.7	mg/dL	17.0 - 43.0
Creatinine Rate-Jaffe	0.7	mg/dl	0.61 - 1.24
eGFR MDRD	118.47	ml/min/1.73 m <sup>2</sup>	
Uric Acid Uricase, Colorimetric	5.6	mg/dL	3.5 - 7.2
Calcium (Total) Arsenazo III	9.42	mg/dL	8.8 - 10.6
Sodium ISE Indirect	139.0	mmol/L	136 - 146
Potassium ISE indirect	3.6	mmol/L	3.5 - 5.1
Chloride ISE indirect	104.0	mmol/L	101 - 109
Bicarbonate Enzymatic	25.0	mmol/L	21 - 31

**Interpretation Ref. Range**

eGFR - Estimated Glomerular Filtration Rate is calculated by MDRD equation which is most accurate for GFRs  $\leq 60$  ml / min / 1.73 m<sup>2</sup>. MDRD equation is used for adult population only.

<60 ml / min / 1.73 m<sup>2</sup> - Chronic Kidney Disease

<15 ml / min / 1.73 m<sup>2</sup> - Kidney failure



SIN No: 10027306

MAX Lab - A Division of Max Healthcare Institute Ltd.

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### Hematology

#### CBC (Complete Blood Count), Whole Blood EDTA

Date	24/Mar/2021 12:16AM	Unit	Bio Ref Interval
Haemoglobin	10.8	g/dl	13.0 - 17.0
Packed Cell, Volume Calculated	34.4	%	40-50
Total Leucocyte Count (TLC) Electrical Impedance	7.6	10~9/L	4.0-10.0
RBC Count Electrical Impedance	5.71	10~12/L	4.5-5.5
MCV Electrical Impedance	60.2	fL	83-101
MCH Calculated	19.0	pg	27-32
MCHC Calculated	31.5	g/dl	31.5-34.5
Platelet Count Electrical Impedance	328	10~9/L	150-410
MPV Calculated	9.3	fL	7.8-11.2
RDW Calculated	16.1	%	11.5-14.5

#### Differential Cell Count VCS / Light Microscopy

Neutrophils	65.1	%	40-80
Lymphocytes	18.0	%	20-40
Monocytes	11.0	%	2-10
Eosinophils	5.4	%	1-6
Basophils	0.5	%	0-2

#### Absolute Leukocyte Count Calculated from TLC & DLC

Absolute Neutrophil Count	4.95	10~9/L	2.0-7.0
Absolute Lymphocyte Count	1.4	10~9/L	1.0-3.0
Absolute Monocyte Count	0.84	10~9/L	0.2-1.0
Absolute Eosinophil Count	0.41	10~9/L	0.02-0.5



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Ref Doctor	[REDACTED]	Reporting Date	: 24/Mar/2021

**Hematology**

Absolute Basophil Count 0.04

10~9/L 0.02-0.1

Kindly correlate with clinical findings

**\*\*\* End Of Report \*\*\***  
**Dr. Poonam S. Das, M.D.**  
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Max Lab & Blood Bank Services  
**Dr. Dilip Kumar M.D.**  
Associate Director &  
Manager Quality  
**Dr. Nitin Dayal, M.D.**  
Senior Consultant & Chief - Haemato  
Pathology and Immuno Haematology

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Age/Gender	[REDACTED]	OP/IP No	: IP/206312/3214D
MaxID/Mobile	[REDACTED]	Collection Date/Time	: 25/Mar/2021 12:16PM
Lab ID	[REDACTED]	Receiving Date	: 25/Mar/2021
Ref Doctor	[REDACTED]	Reporting Date	: 26/Mar/2021

**Serology Elisa**

Test Name	Result	Unit	Blo Ref Interval
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**ANA & Vasculitis Panel-LIA, Serum**

LIA	
dsDNA	Negative
Nucleosome	Negative
Histones	Negative
SmD1	Negative
PCNA	Negative
PO (RPP)	Negative
SS-A/Ro60	Negative
SS-A/Ro52	Negative
SS-B/La	Negative
CENP-B	Negative
Sci70	Negative
U1-snRNP	Negative
AMA M2	Negative
Jo1	Negative
PM-Scl	Negative
Mi-2	Negative
Ku	Negative
PR3	Negative
MPO	Negative
GBM	Negative

**Comment Interpretation**

ANA is useful for the diagnosis of patients with autoimmune diseases e.g. SLE, Mixed connective tissue disease, Rheumatoid arthritis, Sjogren's syndrome, Progressive systemic sclerosis and CREST syndrome.

Kindly correlate with clinical findings

\*\*\* End Of Report \*\*\*



Page 1 of 2

SIN No: MS0591458

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Ref Doctor	Reporting Date	: 26/Mar/2021



Page 2 of 2

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Max ID No: SHPP486559  
IP No. 206312/Bed-3214  
Study Date 24/03/2021

Age/Sex: [REDACTED]

Ref. By: [REDACTED]

Technician: [REDACTED]

### NCV FINDINGS:-

NCV study is done in both upper & lower limbs with 'H'-reflex.

**MNCS:-** Reduced amplitude was seen in left median & bilateral common peroneal nerve. Normal latency, amplitude & conduction velocity was seen in right median, bilateral ulnar & posterior tibial nerves.

**SNCS:-** SNAPs amplitude was not recordable in bilateral superficial peroneal nerve. Reduced amplitude was seen in left median & right ulnar nerves. Normal latency, amplitude & conduction velocity was seen in right median, left ulnar & bilateral sural nerves.

**'F' waves:-** F waves were not recordable in left common peroneal nerve, rest normal.

**'H'-reflex:-** Elicitable on both sides.

### EMG FINDINGS:-

**Electromyography:-** Concentric needle electromyography evaluation was done in below mentioned Muscles. Spontaneous muscle activity, motor unit potentials and recruitment pattern was recorded in the sampled muscles.

Muscle	Spontaneous activity			MUAP			Interference
	Fib	PSWs	Fasciculation	Amplitude (mV)	Duration (ms)	Polyphasia	
Lt APB	-	-	-	1.0-1.5	15-20	+	Moderate
Rt FDI	-	-	-	1.5-2.0	15-20	+	Moderate
Rt Biceps	-	-	+	1.5-2.0	20-25	+	Moderate
Lt Deltoid	-	-	-	2.0-2.5	20-25	+	Moderate
Rt TA	+	+	+	2.5-3.0	20-25	+	Discrete
Lt TA	-	-	-	2.0-2.5	20-25	+	Discrete
Rt VL	+	+	-	3.0-3.5	20-25	+	Discrete
Lt VL	+	+	-	2.0-2.5	20-25	+	Discrete
Rt D10	-	-	-				
Lt D10	-	-	-				
Rt C7	-	-	-				
Lt C7	-	-	-				
Rt Genioglossus	-	-	-				
Lt Genioglossus	-	-	-				

**EMG FINDINGS:-** Spontaneous activity in the form of fasciculation, fibs & PSWs was seen in right biceps, right TA & bilateral VL muscles. Large amplitude long duration, polyphasic MUAP with moderate to discrete interference pattern was seen in right FDI, right biceps, left deltoid, bilateral VL & TA muscles. Normal MUPs, duration without polyphasia & moderate interference pattern was seen in left APB muscles.

**Impression:-** EPS study is showing neurogenic pattern in above sampled muscles with evidence of active denervation & reinnervation in above sampled muscles suggestive of anterior horn cell disease.  
Please correlate clinically.

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Since Feb 6 '2007





**NEUROPHYSIOLOGY INVESTIGATION  
MAX SUPERSPECIALITY HOSPITAL  
1, PRESS ENCLAVE ROAD  
SAKET, NEW DELHI - 110017**

**Patient Information**

Generated : 03/24/2021

ID		Date of Birth	
Name		In/Out	In
Sex		Doctor	
Age		Technologist	
Examination Date	03/24/2021	Referring Department	Neurology

**Motor Nerve Conduction Study**

Site	Lat. (ms)	Amp.	Area	Segment	NCV (m/s)
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**Median Left**

Wrist	3.6	4.7mV	16.8mVms	Wrist-Elbow	50.1
Elbow	8.2	3.8mV	14.3mVms	Elbow-Axilla	51.9
Axilla	9.6	2.9mV	12.7mVms	Axilla-Erbs Point	

**Median Right**

Wrist	3.1	7.3mV	21.3mVms	Wrist-Elbow	45.9
Elbow	8.1	7.0mV	20.7mVms	Elbow-Axilla	47.6
Axilla	9.6	4.1mV	13.9mVms	Axilla-Erbs Point	

**Ulnar Left**

Wrist	2.3	6.1mV	15.7mVms	Wrist-Elbow	58.4
Elbow	6.4	5.2mV	15.1mVms	Elbow-Axilla	55.6
Axilla	7.9	5.1mV	15.6mVms	Axilla-Erbs Point	

**Ulnar Right**

Wrist	2.4	8.5mV	22.8mVms	Wrist-Elbow	51.0
Elbow	7.1	7.7mV	20.8mVms	Elbow-Axilla	52.3
Axilla	8.6	7.7mV	27.2mVms	Axilla-Erbs Point	

**Peroneal Left**

Ankle	3.6	1.3mV	4.2mVms	Ankle-Head of fibu	40.3
Head of fibula	11.3	1.1mV	3.1mVms	Head of fibula-Bel	42.6
Below Knee	13.6	1.1mV	2.9mVms		

**Peroneal Right**

Ankle	4.2	1.5mV	2.2mVms	Ankle-Head of fibu	43.8
Head of fibula	11.3	1.4mV	4.1mVms	Head of fibula-Bel	43.3
Below Knee	13.6	1.2mV	3.5mVms		

**Tibial Left**

Ankle	4.2	6.9mV	10.4mVms	Ankle-Popliteal	45.6
Popliteal	13.2	4.5mV	13.0mVms		

**Tibial Right**

Ankle	3.5	6.2mV	10.7mVms	Ankle-Popliteal	40.0
Popliteal	13.8	4.8mV	17.4mVms		

03/24/2021 15:58:35

# Sensory Nerve Conduction Study

Site	Onset Lat.	Peak Lat.	Amp.	Area	NCV (m/s)
------	------------	-----------	------	------	-----------

## Median Left

Wrist	2.4	3.2	7.0uV	0.9uVms	53.7
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## Median Right

Wrist	2.1	2.8	41.9uV	3.2uVms	60.7
-------	-----	-----	--------	---------	------

## Ulnar Left

Wrist	1.9	2.7	10.9uV	0.7uVms	58.5
-------	-----	-----	--------	---------	------

## Ulnar Right

Wrist	2.0	2.9	7.6uV	0.5uVms	54.5
-------	-----	-----	-------	---------	------

## Sural Left

Sural	2.9	3.5	10.1uV	0.8uVms	49.0
-------	-----	-----	--------	---------	------

## Sural Right

Sural	2.4	3.2	15.5uV	0.5uVms	57.4
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## Superficial Pe Left

Mid. branch	NR				NR

## Superficial Pe Right

Mid. branch	NR				NR

## F-wave

Nerve	Side	Stim.Site	F-Lat.	M Lat.	F-M Lat.
Median	Left	Wrist	30.8ms	3.2ms	27.6ms
Median	Right	Wrist	30.8ms	3.1ms	27.7ms
Ulnar	Left	Wrist	30.2ms	2.4ms	27.8ms
Ulnar	Right	Wrist	29.4ms	2.7ms	26.7ms
Peroneal	Left	Ankle	NR		
Peroneal	Right	Ankle	54.9ms	3.3ms	51.6ms
Tibial	Left	Ankle	50.8ms	4.1ms	46.7ms
Tibial	Right	Ankle	56.7ms	3.7ms	53.0ms

## H-reflex

[ Right ]

Nerve		Side	Right
Stim.Site		Rec.Site	
M-Latency		M-Amp.Max	0.1mV
H-Latency	33.1ms	H-Amp.Max	2.1mV
		H/M.Ratio	1478.6%

## H-reflex

[ Left ]

Nerve		Side	Left
Stim.Site		Rec.Site	
M-Latency	6.4ms	M-Amp.Max	3.0mV
H-Latency	35.3ms	H-Amp.Max	0.8mV
		H/M.Ratio	26.2%