



Lab Investigation Summary

TestSetName	TestItems	Range	Unit	21 Des 24 Time Result	24 Des 24 Time Result	26 Des 24 Time Result	27 Des 24 Time Result
LFT - Liver Function Test (Hepatic Profile)	SGPT / ALT	0-55	IU/L	06:09 16 Normal			
LFT - Liver Function Test (Hepatic Profile)	ALKALINE PHOSPHATASE	<500	IU/L	06:09 92 Normal			
LFT - Liver Function Test (Hepatic Profile)	GAMMA GLUTAMYL TRANSFERASE	12-64	IU/L	06:09 20 Normal			
LFT - Liver Function Test (Hepatic Profile)	TOTAL PROTEIN	6-8.3	gm/dL	06:09 5.56 Low			
LFT - Liver Function Test (Hepatic Profile)	ALBUMIN	3.8-5.4	gm/dL	06:09 3.23 Low			
LFT - Liver Function Test (Hepatic Profile)	GLOBULIN	1.8-3.6	gm/dL	06:09 2.33 Normal			
LFT - Liver Function Test (Hepatic Profile)	A/G RATIO			06:09 1.39			
Potassium	POTASSIUM	3.5-5.1	mmol/L				
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	BUN	7-16.8	mg/dL		05:26 2.32 Low		05:51 4 Low
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	CREATININE	.7-1.25	mg/dL		05:26 0.33 Low		05:51 0.42 Low
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	SODIUM	136-146	mmol/L		05:26 136 Normal		05:51 138 Normal
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	POTASSIUM	3.5-5.1	mmol/L		05:26 3.35 Low		05:51 2.71 Low
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	CHLORIDE	98-113	mmol/L		05:26 103.8 Normal		05:51 104.3 Normal
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	CALCIUM	8.8-10.8	mg/dL		05:26 9.48 Normal		05:51 8.66 Low
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	PHOSPHOROUS	2.3-4.7	mg/dL		05:26 4.42 Normal		05:51 4.07 Normal
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	Bicarbonate	20-31	mmol/L		05:26 21 Normal		05:51 21 Normal
Serum Creatinine	CREATININE	.7-1.25	mg/dL	06:08 0.37 Low		06:02 0.36 Low	
Sodium	SODIUM	136-146	mmol/L				

TestSetName	TestItems	Range	Unit	28 Des 24 Time Result
ALT / SGPT	SGPT / ALT	0-55	IU/L	
AST / SGOT	SGOT / AST	5-34	IU/L	
Bilirubin (Total & Direct)	BILIRUBIN(TOTAL)	.2-1.2	mg/dL	
Bilirubin (Total & Direct)	BILIRUBIN(DIRECT)	0-.5	mg/dL	
LFT - Liver Function Test (Hepatic Profile)	BILIRUBIN(TOTAL)	.2-1.2	mg/dL	
LFT - Liver Function Test (Hepatic Profile)	BILIRUBIN(DIRECT)	0-.5	mg/dL	
LFT - Liver Function Test (Hepatic Profile)	SGOT / AST	5-34	IU/L	
LFT - Liver Function Test (Hepatic Profile)	SGPT / ALT	0-55	IU/L	
LFT - Liver Function Test (Hepatic Profile)	ALKALINE PHOSPHATASE	<500	IU/L	
LFT - Liver Function Test (Hepatic Profile)	GAMMA GLUTAMYL TRANSFERASE	12-64	IU/L	
LFT - Liver Function Test (Hepatic Profile)	TOTAL PROTEIN	6-8.3	gm/dL	
LFT - Liver Function Test (Hepatic Profile)	ALBUMIN	3.8-5.4	gm/dL	
LFT - Liver Function Test (Hepatic Profile)	GLOBULIN	1.8-3.6	gm/dL	
LFT - Liver Function Test (Hepatic Profile)	A/G RATIO			
Potassium	POTASSIUM	3.5-5.1	mmol/L	05:53 2.55 Low
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	BUN	7-16.8	mg/dL	
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	CREATININE	.7-1.25	mg/dL	
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	SODIUM	136-146	mmol/L	
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	POTASSIUM	3.5-5.1	mmol/L	
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	CHLORIDE	98-113	mmol/L	
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	CALCIUM	8.8-10.8	mg/dL	
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	PHOSPHOROUS	2.3-4.7	mg/dL	
Renal Biochemical Profile - Basic (BUN, Creat, Ca, PO4, Na, K, Bicarbonate, Cl)	Bicarbonate	20-31	mmol/L	
Serum Creatinine	CREATININE	.7-1.25	mg/dL	
Sodium	SODIUM	136-146	mmol/L	05:53 138 Normal

Department of Haematology

TestSetName	TestItems	Range	Unit	08 Des 24 Time Result	11 Des 24 Time Result	16 Des 24 Time Result	19 Des 24 Time Result
Complete Blood Count (CBC)	Haemoglobin	11.5-15.5	g/dl	18:42 12.3 Normal	05:53 11.6 Normal	05:53 9.5 Low	05:46 9.4 Low
Complete Blood Count (CBC)	Packed Cell Volume (PCV)	35-45%	%	18:42 36.8 Normal	05:53 36.8 Normal	05:53 36.8 Normal	05:46 25.8 Low
Complete Blood Count (CBC)	Total Leukocyte Count (TLC)	5-13	thous/ul	18:42 9.8 Normal	05:53 9.8 Normal	05:53 11.88 Normal	05:46 11.88 Normal
Complete Blood Count (CBC)	Neutrophils		%	18:42 80	05:53 88	05:53 97	05:46 97

28/12/2024

Name	TestItems	Range	Unit	08 Des 24		11 Des 24		16 Des 24		19 Des 24	
				Time	Result	Time	Result	Time	Result	Time	Result
Complete Blood Count (CBC)	Lymphocytes		%	18:42	17	05:53	6	05:33	0	05:46	0
Complete Blood Count (CBC)	Eosinophils		%	18:42	13	05:53	1	05:33	2	05:46	10
Complete Blood Count (CBC)	Monocytes		%	18:42	9	05:53	5	05:33	0	05:46	0
Complete Blood Count (CBC)	Absolute Monocyte Count	200-1000	/ul	18:42	830 Normal	05:53	475 Normal	05:33	0 Low	05:46	0 Low
Complete Blood Count (CBC)	Basophils		%	18:42	1	05:53	0	05:33	0	05:46	4
Complete Blood Count (CBC)	Absolute Basophils Count	0-100	/ul	18:42	92 Normal	05:53	0 Normal	05:33	0 Normal	05:46	11 Normal
Complete Blood Count (CBC)	Myelocyte		%								
Complete Blood Count (CBC)	Metamyelocytes		%					05:33	1		
Complete Blood Count (CBC)	Platelet Count	180-400	thous/ul	18:42	212 Normal	05:53	67 Low	05:33	118 Low	05:46	53 Low
Complete Blood Count (CBC)	RBC	4-5.2	mill/ul	18:42	4.55 Normal	05:53	4.28 Normal	05:33	3.51 Low	05:46	3.28 Low
Complete Blood Count (CBC)	MCV	77-95	fl	18:42	81.1 Normal	05:53	79.9 Normal	05:33	78.1 Normal	05:46	78.7 Normal
Complete Blood Count (CBC)	MCH	25-33	pg	18:42	27 Normal	05:53	27.1 Normal	05:33	27.1 Normal	05:46	25.6 Normal
Complete Blood Count (CBC)	MCHC	31-37	g/dl	18:42	33.3 Normal	05:53	33.9 Normal	05:33	34.7 Normal	05:46	32.6 Normal
Complete Blood Count (CBC)	RDW	11.6-14	%	18:42	13.8 Normal	05:53	13.9 Normal	05:33	13.2 Normal	05:46	12.8 Normal
Complete Blood Count (CBC)	Absolute eosinophil count	100-1000	/ul	18:42	1199 High	05:53	95 Low	05:33	238 Normal	05:46	28 Low
Complete Blood Count (CBC)	Absolute lymphocyte count	1000-5000	/ul	18:42	1567 Normal	05:53	569 Low	05:33	0 Low	05:46	0 Low
Complete Blood Count (CBC)	Absolute neutrophil count	2000-8000	/ul	18:42	5532 Normal	05:53	8351 High	05:33	11524 High	05:46	241 Low
Complete Blood Count (CBC)	Calculator			18:42	100	05:53	100	05:33	99	05:46	100
Complete Blood Count (CBC)	Cell Counter			18:42	Sysmex XN	05:53	Sysmex XN	05:33	Sysmex XN	05:46	Sysmex XN
Complete Blood Count (CBC)	Impression									05:46	Critical value of low TLC informed at 7.20 am
Complete Blood Count (CBC)	Macro R		%	18:42	3.9	05:53	3.6	05:33	3.2	05:46	3
Complete Blood Count (CBC)	Micro R		%	18:42	5.1	05:53	6.4	05:33	7.1	05:46	6.3
Complete Blood Count (CBC)	Remark :					05:53	Platelets are reduced; counted on the smear. No clumps seen. Kindly correlate the findings with the clinical and therapeutic profile of the patient.	05:33	Platelets are reduced; show anisocytosis and giant platelets are noted, counted on the smear. Kindly correlate the findings with the clinical profile of the patient.		
Platelet count	Platelet Count	180-400	thous/ul								
Platelet count	Cell Counter										
Platelet count	Remark :										

TestSetName	TestItems	Range	Unit	20 Des 24		21 Des 24		22 Des 24		23 Des 24	
				Time	Result	Time	Result	Time	Result	Time	Result
Complete Blood Count (CBC)	Haemoglobin	11.5-15.5	g/dl			06:08	8.4 Low	06:03	7.5 Low	06:02	7.3 Low
Complete Blood Count (CBC)	Packed Cell Volume (PCV)	35-45	%			06:08	24.7 Low	06:03	21.8 Low	06:02	21.4 Low
Complete Blood Count (CBC)	Total Leukocyte Count (TLC)	5-13	thous/ul			06:08	0.67 Low	06:03	0.15 Low	06:02	0.06 Low
Complete Blood Count (CBC)	Neutrophils		%			06:08	88	06:03	53	06:02	0
Complete Blood Count (CBC)	Lymphocytes		%			06:08	2	06:03	20	06:02	0
Complete											

AMOL MAURYA, 7 YEARS/M
REFERRED BY : DR. MANAS KALRA**UID No : 3440729**
STUDY DATE : 14TH NOVEMBER, 2024**DTPA SCAN**

Renal dynamic imaging performed following injection of ^{99m}Tc DTPA intravenously. Frusemide was administered as F-0 protocol.

Patient is a known case of Adrenoleukodystrophy being evaluated for stem cell transplantation. DTPA scan is being done for renal functional assessment.

Left kidney is normal in size and placement. Perfusion and renal cortical tracer uptake is good. Intrarenal parenchymal transit time is normal with good drainage seen from the pelvicalyceal system.

Right kidney is normal in placement. Left lower half is hydronephrotic. Perfusion and cortical tracer uptake is impaired with prolonged Intrarenal parenchymal transit time. Progressive tracer accumulation is noted in the lower half which fails to drain despite frusemide intervention. Tracer retention is noted in the dilated pelvicalyceal system of the lower half till 6 hours which clears only at 24 hours. Perfusion and renal cortical tracer uptake in the upper half is preserved with normal intrarenal parenchymal transit time and good drainage from the upper pelvicalyceal system.

Bladder activity is seen at 3 minutes post injection of the tracer.

Background activity is not increased. Post void residual urine noted.

Differential Renal Function:

	Left	Right
	63.29 %	36.71 %
<u>GFR (Total: 100.23 ml/min)</u>	63.43 ml/min	36.8 ml/min

IMPRESSION:

- Non-obstructed left kidney shows good cortical function
- Right kidney shows mildly impaired cortical function with non-obstructed upper half and obstructed hydronephrotic lower half. Possibility of duplex collecting system merits consideration. Suggested; Further evaluation.

Please correlate clinically.


Dr. Ritu Verma
Sr.Consultant & HOD
Dr. Ethel S Belho
Sr.Consultant
Dr. N. H.V. Rayudu
Resident
Dr. Pushpendar Singh
Resident

(Please carry report and Film on your next visit for comparison)

(In case of any typographical error please inform immediately and get it corrected within 7 days).

- Sir Ganga Ram Hospital • Safdarjung Development Area • Defence Colony • Pusa Road • Gurugram • Bali Nagar
- Fortis Flt. Lt. Rajan Dhall Hospital • PSRI Hospital • Sports Injury Centre, Safdarjung Hospital • Fortis Escorts, Jaipur

Positron Emission Tomography With Multi Detector CT (PET CT) • Whole Body DOTANOC PET CT
Whole Body Prostate Specific Membrane Antigen PET CT (PSMA) • Dual Head Spect Gamma Camera • Ria Lab • DEXA Bone Densitometry

TestSetName	TestItems	Range	Unit	22 Des 24 Time Result
Urine examination (Routine / Microscopy)	Yeast cells	0-1	/hpf	10:27 0 Normal

Institute of Clinical Microbiology and Immunology

TestSetName	TestItems	Range	Unit	10 Des 24 Time Result	19 Des 24 Time Result	20 Des 24 Time Result	22 Des 24 Time Result
Bact/Alert Aerobic Culture (PICC LINE)	Comments			00:35 Negative after 5 days incubation, Final Report.	17:15 Negative after 5 days incubation, Final Report.		10:37 Negative after 5 days incubation, Final Report.
Preliminary Bact/Alert Aerobic Culture (PICC LINE)	Comments			14:58 Negative to date. Preliminary report. Final report to follow at 5 days.		09:36 Negative to date. Preliminary report. Final report to follow at 5 days.	
Urine Culture & Sensitivity	Comments						10:27 No organisms were isolated after 24 hours of incubation.

TestSetName	TestItems	Range	Unit	23 Des 24 Time Result	26 Des 24 Time Result
Bact/Alert Aerobic Culture (PICC LINE)	Comments				
Preliminary Bact/Alert Aerobic Culture (PICC LINE)	Comments			09:44 Negative to date. Preliminary report. Final report to follow at 5 days.	09:34 Negative to date. Preliminary report. Final report to follow at 5 days.
Urine Culture & Sensitivity	Comments				

Blood Bank

TestSetName	TestItems	Range	Unit	20 Des 24 Time Result	22 Des 24 Time Result	25 Des 24 Time Result
BLOOD GROUP - 1 FOR GRANULOCYTES X-MATCH	Blood Group + Rh (D)					13:40 B Pos.
BLOOD GROUP - 1 FOR BLOOD / PACKED CELL X-MATCH (mention quantity)	Blood Group + Rh (D)				09:02 B Pos.	
BLOOD GROUPING -2 FOR X-MATCH	Blood Group + Rh (D)			10:56 B Pos.	09:02 B Pos.	13:40 B Pos.

Department of Nuclear Medicine

TestSetName	TestItems	Range	Unit	23 Des 24 Time Result	26 Des 24 Time Result	28 Des 24 Time Result
Cyclosporin Level (CO)	WHOLE BLOOD CYCLOSPORINE LEVEL (TROUGH)		ng/ml	08:38 122	08:28 128	08:44 103

AMOL MAURYA

7 Y/Male
3440729 IP01445645
Admit On : 08/12/2024 06:17PM
PAEDIATRIC HEMATO-ONCOLOG
1303/1303 CAT-1D NH
3 A - STEM CELL

**SIR GANGARAM HOSPITAL
PAEDIATRIC HEMATO-ONCOLOGY & BMT UNIT
INFORMED CONSENT STATEMENT**

**FOR
MYELOABLATIVE BMT (HAPLOIDENTICAL DONOR)
FOR X LINKED ADRENOLEUKODYSTROPHY**

Your child Amol Maurya has X linked Adrenoleukodystrophy. Adrenoleukodystrophy is a disease linked to the X chromosome. It is a result of fatty acid buildup caused by failure of peroxisomal fatty acid beta oxidation which results in the accumulation of very long chain fatty acids in tissues throughout the body. The most severely affected tissues are the myelin in the central nervous system, the adrenal cortex, and the Leydig in the testis. The long chain fatty acid buildup causes damage to the myelin sheath of the neurons of the brain, resulting in seizures and hyperactivity.

Allogeneic hematopoietic stem cell transplant (HSCT) is the only therapeutic approach that can arrest cerebral demyelination of X-linked adrenoleukodystrophy (ALD) in boys and results in long term good quality of life, provided the procedure is performed at an early stage of disease. A patient's Loes score is a key factor in determining eligibility for HSCT for cerebral X-linked adrenodystrophy (X-ALD). A score less than 10 is generally considered a good indicator for HSCT eligibility and patients with early-stage disease as indicated by a Loes score of 0.5-9.0, have more favourable outcomes after HSCT. There is also a risk of disease progression despite HSCT.

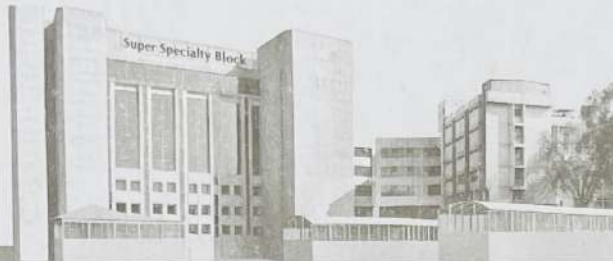
The bone marrow is the body's "blood factory". It makes the cells that circulate in the blood, including: red blood cells (which carry oxygen), white blood cells (which fight infection) and platelets (which prevent bleeding). The bone marrow can be fixed by giving "hematopoietic or blood stem cells" donated by someone else. This is called HSCT. For a transplant to be successful the donor stem cells must have a tissue type that is completely or closely matched to

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H-2008-0017
Since June 16, 2008



Sir Ganga Ram Hospital

19-12-2024

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Amol Maurya, 7-year-old boy, S/O Mr. Vijay Maurya Reg. No. 3440729, has been diagnosed with X linked Adrenoleukodystrophy. It is a condition which requires Hematopoietic stem cell transplant as definitive treatment. As there is no sibling, the options of matched unrelated donor/ Haploidentical donor transplant from the father are being considered. The expected expenditure for it will be around Rs. 27 lakhs.

Kindly consider to extend all help for the family.

Dr. Anupam Sachdeva
Dr. Manas Kalra
Consultants
Pediatric Hematology Oncology & BMT Unit
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