



Child Care India Trust



SPECIALTY LABORATORY LTD

CIN: U0319502609PLC037597

Jodhpur - 25/54, Pallovi Apartment, Opp. Central Park, H. SMS Hospital, Sawai Man Singh Road, Jodhpur, Rajasthan - 302004, Ph: 0141-2584411/777 86 9694093010  
Unipath (H.O.) (Dubai/Sharjah) | Unipath House, Besides Sahakarani College, Opp. Kamdhenu Complex, Panaraspota, Ambarwad, Ahmedabad-380013 Gujarat  
Phone: +91-79-49006800 | WhatsApp: 9350001900 | Email: info@unipath.in | Website: www.unipath.in

LABORATORY REPORT



Reg. No : 40501503695  
Name : Mast. VEDANT  
Sex/Age : Male / 4 Years  
Ref. By : Dr. ARPIT MITTAL  
Location :

Reg. Date : 14-May-2024 12:38  
Collection : 14-May-2024 12:38  
Report Date : 18-May-2024  
Tele. No : 9694093001  
Dispatch At :

CD34 and CD20, T lineage and myeloid markers are negative. These findings are consistent with B lineage lymphoblasts.

**Impression:** Flowcytometry findings of the bone marrow is suggestive of B-cell Lineage Acute Lymphoblastic Leukemia (B-ALL).

**Advise:** Cytogenetic studies, ALL translocation panel [ t(9;22), t(4;11), t(1;19), t(12;21) ]

**Note:** Isolated flowcytometry analysis never confirm the final diagnosis of the disease. They only help in arriving at a diagnosis in conjunction with clinical presentation, cytogenetic study, molecular tests and other hematological parameters.

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Dr. Pankaj Malukani  
M.D. (Path.)  
MP-11152

Approved On: 14-May-2024 17:16

Generated On: 18-May-2024 14:57

Page 2 of 14

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# Unipath

SPECIALLY LABORATORY LIMITED

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Regd. Ofc : 3B Floor, Doctor House, Nr. Parnal Garden, Ahmedabad. 380056 Gujarat  
www.unipath.in | 07940930001

### LABORATORY REPORT

No	40591503695	Reg. Date	18-May-2024 12:28
Sex	Male, VEDANT	Collected on	18-May-2024 17:21
Age	Male / 4 Years	Report Date	18-May-2024
By	Dr. ARPIT MITTAL	Tele. No	9674093001
Lab		Dispatch At	

## MOLECULAR ANALYSIS FOR t(1;19) (q23;p13.3): E2A-PBX1 (TCF3-PBX1) FUSION TRANSCRIPT DETECTION

Specimen: Bone marrow (EDTA)

**Test Methodology:** RNA is isolated from the sample and reverse transcribed. The resulting cDNA is subjected to nested PCR amplifications with primers designed to amplify t(1;19) (q23;p13.3) E2A-PBX1 Fusion gene. The PCR products are resolved by agarose gel electrophoresis and evaluated for the presence of amplicons that indicate a positive result. An additional RT-PCR amplification is directed at the GUSB gene as a control for sample quality.

Test Indication: B-cell ALL

### RESULT:



Lane 1	Patient Sample (1 <sup>st</sup> round product)
Lane 2	Positive Control
Lane 3	Negative Control
Lane 4	100bp DNA marker
Lane 5	Patient sample 2nd round product
Lane 6	Positive Control
Lane 7	Negative Control

FUSION TRANSCRIPT	RESULT
t(1;19) (q23;p13.3) E2A-PBX1 (TCF3-PBX1)	NEGATIVE

**INTERPRETATION:** Patient sample is found NEGATIVE for t(1;19) (q23;p13.3):E2A-PBX1 fusion transcript

*Dr. Ekta*

Dr. Ekta Jajodia  
M.D (Path), PDF (Molecular Hematology),  
CNC, (Genetics) Consultant Pathologist  
20798

*Dr. Neeraj*

Dr. Neeraj Arora  
M.D (Path), PDF (Mol Haematol),  
PDF (Haematopath)  
22396

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**Unipath**  
SPECIALTY LABORATORY LTD

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 Unipath (H.O.) (Delhi/Noida City) - Unipath House, Beasra Sub Colony, Opp. Kamdhenu Enclave, Patparganj, Delhi-110009, India. Phone: 011-26111500  
 Gurgaon: 122-77-4305460 | WhatsApp: 8154023550 | Email: info@unipath.in | Website: www.unipath.in

**LABORATORY REPORT**

Reg. No: 40501503655  
 Name: Mast. VIDANT  
 Sex/Age: Male / 4 Years  
 Ref. By: Dr. AKHIL MITTAL  
 Location:

Reg. Date: 14-May-2024 12:28  
 Collection: 14-May-2024 12:28  
 Report Date: 18-May-2024  
 Tele. No: 9634093001  
 Dispatch At:

**IMMUNOPHENOTYPING REPORT**  
(Leukemia / lymphoma panel)

Clinical history: Acute leukemia  
 Specimen: Bone marrow aspirate  
 Instrument / Software: Beckman Coulter DxFLLEX-8 color / DytExpert  
 Cell preparation method: Stain - Lyse - Wash  
 Gating strategy: CD45 Vs SSC

Result:

Marker	Intensity	Interpretation	Marker	Intensity	Interpretation
<b>Myeloid / Monocytic</b>			<b>B cell</b>		
CD33	-	Negative	CD10	Moderate	Positive
CD13	-	Negative	CD19	Bright	Positive
CD117	-	Negative	CD22	Bright	Positive
CD64	-	Negative	CD20	Subset	Positive
CD15	-	Negative	<b>T cell</b>		
<b>Other</b>			CD3	-	Negative
HLA DR	Moderate	Positive	CD7	-	Negative
CD34	Subset	Positive	CD5	-	Negative
CD45	Dim to Neg	Positive			

Abnormal population: 79% B lineage lymphoblasts  
 Size by forward scatter: Small  
 Side scatter: Low

Description: Abnormal cell shows dim CD45 and low side scatter on CD45 vs SSC dot plot. These cells are positive for B lineage marker CD19, CD10, CD22 along with HLA DR. A subset of blast is positive for

Dr. Pankaj Malukani  
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 MP-11152

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# के.आर. लैब एण्ड डायग्नोस्टिक सेन्टर

C/o ऋग्वेद हॉस्पिटल, इन्दिरा नगर, हारादास, भरतपुर (राज.)

Last Name  
First Name VAIDANT  
Gender Female  
Patient ID 570

Age

Sample ID AUTO\_SID0002  
Department 5888  
Physician DR. RITU CHAUDHARY  
Type Woman

Date of birth

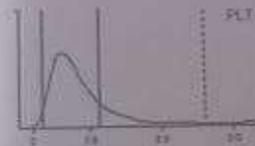
Sample comments

				Range
RBC	2.05	L*	10 <sup>9</sup> /L	3.80 - 5.70
HGB	6.1	L	g/dL	11.5 - 15.2
HCT	21.6	L*	%	35.0 - 46.0
MCV	105.3	H*	fL	77.0 - 97.0
MCH	29.6		pg	26.0 - 34.0
MCHC	28.1	L	g/dL	32.0 - 35.0
CV	15.3		%	12.0 - 17.0
SD	73.9	H	um	37.0 - 49.0

Recommended actions  
Side review  
Simp. Pathologies  
Anemia  
RBC PLT aggregate or NRBC ?  
Leukopenia  
Neutropenia

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				Range
PLT	451	H*	10 <sup>9</sup> /L	150 - 400
PCT	0.36	*	%	0.15 - 0.40
MPV	8.0	L*	fL	8.0 - 11.0
PDW	10.4	L*	fL	11.0 - 22.0
PC	83		10 <sup>9</sup> /L	44 - 140
CR	18.3		%	18.0 - 50.0



				Range
WBC	2.70	L	10 <sup>9</sup> /L	3.50 - 10.00
	#			
EU	0.79	L*	1.00 - 7.00	29.1 L*
PM	1.73	*	1.00 - 3.00	64.3 H*
DM	0.12	L*	0.20 - 0.80	4.3 *
OS	0.01	*	0.00 - 0.50	0.3 H*
AS	0.05	*	0.00 - 0.15	2.0 *
BC	0.00	*	0.00 - 0.10	0.2 *



### Slide Review

cell	Myeloblast	Anisocytosis
ocyte	Promyelocyte	Hypochromia
ne	Myelocyte	Polychromasia
cell	Metamyelocyte	Poikilocytosis
	Blast	Microcytosis
Lymphocyte	Target Cell	Macrocytosis
	Sickle Cell	Platelet Clumps

Reported on \_\_\_\_\_ by \_\_\_\_\_ Signature: \_\_\_\_\_



# डॉ. आर. लैब एण्ड डायग्नोस्टिक सेन्टर

C/o जगवेद हॉस्पिटल, हीरादास, भरतपुर (राज.)

LABORATORY REQUEST FORM

Date: 20/05/2014

62 Patient Name: Vaidant

Age: 9 yrs M/TX

NORMAL RANGE					Result	Range	
	NW	INFANT	OBESITY	412mm			
x10 <sup>6</sup> /Cumm	10-26	6-18	5-15	5.5-13.5	1. S. Bil. Tot L	0.5	
x10 <sup>6</sup> /Cumm	4-6	3.6-5.2	4.1-5.7	4.0-5.4	Direct L	0.3	
gm/dl	13.5-19.5	10.5-13.5	12.0-14.0	11.3-14.3	Indirect L	0.2	
%	44-64	32-44	36-44	37-45	2. SGPT	23	
Ri	106	65	70-86	77-91	3. SGPT	23	
Pp	30-58	24-34	24-30	24-30	4. S. Alk. Phos.	109	
%	35-36	32-35	34	34	5. S. Calcium		
WBC/Cumm (Normal 1.5-4.0x10 <sup>5</sup> /Cumm)					6. S. Cholesterol	150-200 mg%	
WIDAL TEST (By Slide Agglutination Method)					7. S. Creat	0-1.5 mg%	
% (45-74)	1700	1340	1800	1700	8. S. Uric Acid	2-7 mg%	
% (16-45)	TO					9. S. Amylase	80-100 U. Ov
% (2-10)	TH					10. BUN	8-23 mg%
% (0-4)	AM					11. Blood Sugar (F)	740
% (2-2)	BH					(PF)	> 135 mg%
12. S. Total Protein	Test exp → Positive Test H/E exp → Non-Reactive Test TCT → Non-Reactive					6.5	6-8 gm%
13. S. Albumin	MANTOUX TEST (STU/10TU)					4.3	3.5-5 gm%
14. S. Globulin						2.2	1.2-2.8 gm%
15. Sodium (Na <sup>+</sup> )							134-145 mmol/L
16. Potassium (K <sup>+</sup> )							3.5-5.5 mmol/L
17. Chloride (Cl <sup>-</sup> )							96-106 mmol/L
18. Calcium (Ca <sup>2+</sup> )							1.0-1.2 mmol/L
19. ST						1.4	Min
20. CT						2.4	Min
21. ABO & RH							
22. MP Test (Card Method)							

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Sign. of Technician

Not Valid for Medicolegal Purpose

डॉ. अजीत सिंह MS (entl), नाक, कान, गला विशेषज्ञ | डॉ. राजमणि राजपूत DM (GASTRO), वट, लीवर, अंतर्गत विशेषज्ञ

शिक्षित माँ, सुरक्षित बच्चा, छोटा परिवार, सशहल परिवार

ical Chart



ऋग्वेद मल्टी स्पेशलिटी हॉस्पिटल  
 हीरादास चौराहा, पेट्रोल पम्प के पीछे, अ

Reg. No.													
I. P.No.													
SULTANT DR.	Vadodra Riduch.												
	20/5/24												
	6 AM	12 PM	6 PM	10 PM	6 AM	12 PM	6 PM	10 PM	6 AM	12 PM	6 PM	10 PM	6 AM
mp. (F)	77.6												
ise (60-100)	105.1												
piration													
(a) NS													
(b) DNS													
(c) RL													
(d) ISO-P	✓												
(e) Mannitol	✓												
Ceftriaxone	✓												
Amikacin	✓												
Ranitidine	✓												
ondexil	✓												
ly Tab.													
Trans.	500ml												
Output (M.)													

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# ऋग्वेद मल्टी स्पेशलिटी हॉस्पिटल, भरतपुर

हीरादास चौगाहा, पेट्रोल पम्प के पीछे, भरतपुर (राज.)

## INDOOR TICKET

Reg. No. UHD = 323 IP No. 57  
 Name of the Patient Vaidant Age 1y Sex Male  
 Mother's Name / Husband's Name Shwpendra Contact No. \_\_\_\_\_  
 Address Deeg BTP  
 Date of Admission \_\_\_\_\_ Time of Admission \_\_\_\_\_  
 Date of Discharge \_\_\_\_\_ Time of Discharge \_\_\_\_\_  
 Pre Diagnosis Anaemia Acute Leukemia  
 Final Diagnosis \_\_\_\_\_

### Presenting Complaints

It has come for BT only.

Admission B-T 08  
by Dr. Chandra 250

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Dr. Goyal B.T  
 Dr. Khandelwal 1st  
 Dr. Goyal 1st  
 1 - Avil 0.5ml before B.T.  
 1 - Hycort 1mg  
 1 - 2ml calcium 10% 1st B.T.  
 - 1 30 P.W  
 1 - Lamin 0.2ml Post B.T.  
 5P - Ibugenic 1ml 5-8 503

### Vitals

BP: \_\_\_\_\_  
 HR: 120/min  
 RR: 25/min  
 Sat: 93%  
 Temp: 99F

### Investigation

CBC  $\leftarrow$  H-61g/dl  
 P-4514  
 W-23  
 ABORH - OTUL  
 HIBSA - N.R  
 PPCT - N.P  
 CRP - Positive  
 RBS - 24 mg/dl  
 LFT-ALB-103  
 T-0.1

त मां, सुरक्षित बच्चा, छटा परिवार, खुशहाल परिवार

# ऋग्वेद मल्टी स्पेशलिटी हॉस्पिटल, भरतपुर

हीरादास जीराहा, पैट्रोल पम्प के पीछे, भरतपुर (राज.)

सहमति घोषणा : इलाज, ऑपरेशन, बेहोशी एवं अन्य प्रक्रिया के लिए

.....<sup>मोहन</sup>..... एवं/अपने सम्बन्धी <sup>पति</sup> के साथ

इलाज/ऑपरेशन के लिए अपनी सहमति देता हूँ। उक्त इलाज तथा ऑपरेशन के उद्देश्य, प्रक्रिया के भी शब्दों मुझे डॉ/श्री <sup>डॉ. मणि</sup> द्वारा भली प्रकार समझा दिये गये हैं। इस सम्बन्ध में एनेस्थीसिया के तथा उसके लिए किसी भी प्रकार के एनस्थेटिक अथवा अन्य में प्रयुक्त किये जाने की सहमति देता हूँ।

ऑपरेशन के दौरान किसी अन्य प्रकार के वैकल्पिक कार्य जो परिस्थिति के कारण आवश्यक पड़ जाये, किये जाने की भी सहमति देता हूँ और इसके लिए जनरल/लोकल या अन्य प्रकार एनेस्थीसिया दिये जाने की भी सहमति देता हूँ।

इस बात की भी जानकारी है तथा चिकित्सक द्वारा समझा दिया गया है कि मेरी/मेरे बच्चे की उम्र चिन्ताजनक है। मेरी/मेरे बच्चे की इलाज के दौरान, बेहोशी की दवा देते समय (एनेस्थीसिया समय) अथवा ऑपरेशन के समय या उसके बाद घृष्णु भी हो सकती है। इसके सभी सम्बन्धित रिस्को भली प्रकार समझा दिये गये हैं। इन सबकी जिम्मेदारी मेरी रहेगी।

## Child Care India Trust

(दस्तावेज अथवा ईगूडा निर्धारित)

पिता नाम .....<sup>मोहन</sup>..... उम्र <sup>45</sup> वर्ष  
पिता का नाम .....<sup>मोहन</sup>.....  
पता .....<sup>डी.जी. मरगापुर</sup>.....  
सम्बन्ध .....<sup>पति</sup>.....  
ऑपरेशन करने की तिथि <sup>20/05/24</sup>

त मा, सुरदास कपूर, अ...

ISO CERTIFIED HOSPITAL

# ऋग्वेद हॉस्पिटल, भरतपुर

(प्यूरोनस पुण्ड चिल्डरन्स, हॉस्पिटल)

हीरादास चौराहा, पेट्रोल पम्प के पीछे, भरतपुर (राज.)



डॉ. (श्रीमती) ऋतु चौधरी

MD, DGO, MIMA  
PGD-INFERTILITY & SONOGRAPHY  
विशेषज्ञ - ओवोवायफे, यंत्रणतली एवं प्रसूति रोग  
दूरभाष - 8589206600, 8949222452

## ऋतु चौधरी

DCH, MIMA, MIAP  
102, हीरादास चौराहा रोड, भरतपुर  
पिन - 382212 (राज.)

दूरभाष नंबर -

पुनःप्राप्ति हेतु सहायक नंबर -

1st visit  
Pituitary - 34mm  
3.6g/L

Acute Leukemia  
B-cell lineage Acute Lymphoblastic  
Leukemia  
TEL - PML1 - B70g

5/Dec/23  
CBC  
Platelets 441  
MCHC 40.6

5/12/24  
CBC  
Platelets 441  
MCHC 40.6

6/11/24  
CBC  
5.4  
5.74 LakH  
CRP - 631  
Other

CRP  
CBC  
HbA1c  
PTCT  
LFT  
RBS

It has come  
only for B. T.

Handwritten signature

MR. MCH (पुण्ड)  
के सहायक नंबर -

On Call

पुनःप्राप्ति हेतु सहायक नंबर -

"शुभ विधि परीक्षण करवाया जाएगा" जहाँ जहाँ लिखा है। 100 रुपये की छूट पर की जा सकती है।

पुनःप्राप्ति हेतु सहायक नंबर - 5 दिनों तक मान्य है।

पुनःप्राप्ति हेतु सहायक नंबर - 5 दिनों तक मान्य है।

पुनःप्राप्ति हेतु सहायक नंबर - 5 दिनों तक मान्य है।

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पुनःप्राप्ति हेतु सहायक नंबर - 5 दिनों तक मान्य है।

पुनःप्राप्ति हेतु सहायक नंबर - 5 दिनों तक मान्य है।

पुनःप्राप्ति हेतु सहायक नंबर - 5 दिनों तक मान्य है।

पुनःप्राप्ति हेतु सहायक नंबर - 5 दिनों तक मान्य है।

शुभ विधि परीक्षण, छोटा परिवार, खुशहाल परिवार



# Unipath

SPECIALTY LABORATORY LIMITED

Lab Facility: Unipath Station, Sector-19, Gurgaon, Haryana  
Phone: +91 79 40004800 | Email: info@unipath.in | Website: www.unipath.in  
Regd. Of: 28, Sector-19, Gurgaon, Haryana

### LABORATORY REPORT

Ref. No: 4050/103695  
Name: NASH VEDANT  
Age / Sex: Male / 4 Years  
Ref. By: Dr. ARMIT MITTAL

Reg. Date: 14-May-2024 12:28  
Collection: 14-May-2024 17:21  
Report Date: 16-May-2024  
Tele. No: 9694059005  
Dispatch At:

### BACKGROUND INFORMATION:

- The TCF3 also called E2A, on chromosome 19, encodes 2 basic helix-loop-helix (bHLH) transcription factors, E12 and E47, through alternative splicing.
- PBX1, [also known as PRL on chromosome 1, is a homeodomain transcription factor of the TALE (3 amino acid loop-extension) class that regulates numerous embryonic processes, including morphologic patterning, organogenesis, and hematopoiesis.
- The genomic organization of E2A is well-defined and breakpoints occur almost exclusively in a 3.5-kb intron region between exon 13 and 14.
- The genomic organization of the PBX1 gene is not yet fully known and the breakpoints are dispersed over an intronic region of about 50 kb between exons 1 and 2.
- The E2A-PBX1 chimeric transcription factor contains the N-terminal transactivation domain of E2A (TCF2) fused to the C-terminal homeodomain of PBX1.
- The chromosomal translocation linking E2A and PBX1 has been reported in T-ALL. First, it is a fusion of both E2A and PBX1. Second, it generates the novel fusion gene E2A-PBX1 expression under the control of E2A regulatory sequences.

### CLINICAL UTILITY:

- The t(1;19) is detected in about 5-6% of childhood ALL and in about 3% of adult ALL.
- In both pediatric and adult patients this translocation occurs almost exclusively in pre-B-ALL expressing cytoplasmic Igh.
- Most cases carrying the t(1;19) express a typical immunophenotype with homogeneous expression of CD13, CD10, CD9, complete absence of CD34, and at least partial absence of CD20.
- t(1;19) correlates with the presence of known clinical high-risk features, such as elevated cell count, high serum lactate dehydrogenase levels and central nervous system involvement.

### LIMITATIONS:

- The limit of detection for this assay is 1 E2A-PBX1 positive cell in 100,000 normal cells.
- Results of this test must always be interpreted within the clinical context and other relevant data, and should not be used alone for a diagnosis of malignancy.

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लेकिन मैं खुद को ही एक वैदिक को  
रखने परवाने के लिए नहीं करवा रहा

20/5/24

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