Indraprastha Apollo Hospitals

Dated: November 9th 2023

TO WHOM SO EVER IT MAY CONCERN

This is to certify that **Ms Soumyashree Das (APD1.0011535104)**, 5 yrs old female, is a known case of **Thalassemia major.** She is currently on supportive care for the same. The only curative treatment for Thalassemia major is bone marrow transplant. In the absence of matched sibling donor or unrelated donor, **Soumyashree** is planned for haploidentical bone marrow transplant. It is strongly recommended for **Soumyashree** to go ahead with BMT to give her best quality of life & normal life expectancy.

BMT (haploidentical) is an expensive treatment. The quotation for BMT is as mentioned below:

1.	Pre-transplant workup (donor & recipient)	approx. **1-1.5 Lacs INR.**
2.	Autologous Back up	approx. **2 Lacs INR.**
3.	Pre transplant preparation	approx. 1 Lac X 2 cycles = **2 Lacs INR.**
4.	Donor harvest	approx. **1 Lac INR**
5.	T cell depletion kit (from MiltenyiBiotec Germany)	approx. **10 Lacs INR**
6.	Transplant phase for 4 weeks of uncomplicated stay in hospital **(dose of chemotherapy medicines depends on weight).**	approx. **15-17 Lacs INR**
7.	Post BMT weekly OPD follow ups	approx. **50000-75000 INR/month x 3 months**
8	In case of emergency	approx. **5 Lacs INR**
Total		approx. **40,75,000 INR**

NOTE: The cost might rise in case of any unforeseen complications & extended stay in the hospital.

Overall success rate of BMT is approx. 90%

DR GAURAV KHARYA
CLINICAL LEAD | CENTER FOR BONE MARROW TRANSPLANT AND CELLULAR THERAPIES
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APOLLO HOSPITAL, SARITA VIHAR, DELHI 110076
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Department of Empowerment of Persons with Disabilities,
Ministry of Social Justice and Empowerment, Government of India

Disability Certificate

Issuing Medical Authority, Baleshwar, Odisha

Certificate No.: OD0811620180382266 **Date: 04/01/2022**

This is to certify that I/we have carefully examined Kum. **Soumyashree Das**, Daughter of Shri **Paresh Chandra Das**, Date of Birth **08/03/2018**, Age **3**, Female, Registration No. **2108/00000/2111/0807890**, resident of House No. **At-badamandaruni, Post-masanbadia - 756034**, Sub District **Kamarda**, District **Baleshwar**, State / UT **Odisha**, whose photograph is affixed above, and I am/we are satisfied that:

(A) She is a case of **Thalassemia**
(B) The diagnosis in her case is **THALASSEMIA MAJOR**
(C) She has **60%**(in figure) **Sixty** percent(in words) Permanent Disability in relation to her WHOLE BODY as per the guidelines (Guidelines for the purpose of assessing the extent of specified disability in a person included under RPwD Act, 2016 notified by Government of India vide S.O. 76(E) dated 04/01/2018).

The applicant has submitted the following document(s) as proof of residence:

Nature of Document(s): Aadhaar Card

Signature / Thumb Impression of the Person with Disability

Signatory of notified Medical Authority Member(s)

Issuing Medical Authority, Baleshwar, Odisha

This Card/Certificate is meant to certify the disability of the person and is not an instrument for ID/Address Proof for any purpose.

GENES2ME

Patient Information

Name: Soumyashree Das	Gender: Female	Age: 03 Years
Sample Information		
Sample ID: G2M-27936	Sample Type: EDTA Whole Blood	Hospital: Super Speciality Paediatric Hospital (Ssph) And Post Graduate Teaching Institute (Pgti), Noida
Collection Date: 23-03-2021	Receiving Date: 24-03-2021	Report Date: 02-04-2021
Clinical Information		
Referred by: Dr. Nowla Radha Krishnan		
Indication: Clinical history of hemolytic anemia. Abnormal HbF value (96.5%) suggestive of Thalassemia Major.		

Result Summary

Test Performed – β Thalassemia Panel

Variant Detected

Sample Name	Mutation	HGVS Name	Genotype	Clinical Significance
Soumyashree Das	IVS I-5 (G>C)	HBB: c.92+5G>C	Homozygous (severeβ+)	Thalassemia Major

Report Interpretation

- Homozygous variant, **IVS I-5 (G>C)**, was detected in the blood sample of **Soumyashree Das.**
- Since, there is complete absence of β-globin gene, thus the disease indication is given as **Thalassemia Major.**
- Clinical correlation is suggested and further genetic counseling is recommended.
- Family members are recommended for screening in order to know the inheritance pattern and risk of disease occurrence in future generations.

GENES2ME Private Limited : 1105, 11th Floor, CAS Tower, Medicity, Sector 38, Gurgaon - 122 001, Haryana
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contact@genes2me.com
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Registered Office : Flat No - 234, Sainikatt Chamber - II, 9, Bhikaji Cama Place, New Delhi-110 022

OPD PRESCRIPTION

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B.M.T. Physician, Hematologist, Hemato-oncologist
Professor and Head
Dept. of Clinical Haematology
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ଡା଼ ରବୀନ୍ଦ୍ର କୁମାର ଜେନା
Qr. No. J. O. - 4
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Ph. 0671-2414122/2414722, Ext. 276 or 292 (Off)
Fax: +91-671-2414501, E-mail: rkjena@msn.com

Mr Soumyashree Das

C/o: Pallor +
Splenomegaly
B.T. - 9 times (Low)
last on 7/6/18

Adv
CBC

Clear
on
...

℞ Folvite - 1/2 tab OD

Chemical ... report
CBC
② All vaccination to cont

Packed red cell
15-6-18

1 FDT

Currently clear ℞ Packed red cell - 1 unit ... keep Hb ≥ 10g/dl
Chemical ... report
CBC
① Folvite - 1/2 tab OD to cont
② All vaccination to cont

15-6-18

42/6 HA – 3442/18

अ० भा० आ० सं० अस्पताल/A.I.I.M.S. HOSPITAL
बहिरंग रोगी विभाग /Out Patient Department

अस्पताल के अन्दर धूम्रपान मना है।/SMOKING IS PROHIBITED IN HOSPITAL PREMISES

OPR-6

इकाई/Unit
विभाग/Dept.
नाम/Name

New Patient
Dept Reg. 2018/024/0041401
Hematology/Hematology Screening OPD/Unit-I
General/₹ 10
Name: SOUMYASHREE CHANDRA DAS
C/O Paresh Chandra Das
UHID : 103851734
Date: 06/07/2018

H 91401/2018

पता/Address

HA –

DHH-110718005-103851734
SOUMYASHREECHANDRADAS

CH-0907181226-103851734
SOUMYASHREECHANDRADAS

CH-0907181225-F-103851734
SOUMYASHREECHANDRADAS

DHH-110718004-103851734
SOUMYASHREECHANDRADAS

CH-0907181241-103851734
SOUMYASHREECHANDRADAS

anemia I eval

उपचार/Treatment

BT date (ot+)
20/9/18.

(23) – (29) – (32)

Inv
- clinical chem
- viral markers
- HbC2E of parents

J Van

Thal major

Adv

- (1) Tab Folvite 5 mg ½ OD × 14d
- (23) (2) PRBC transfusion to keep Hb ≥10 (@ 15 ml/kg)
- (3) Parents counselled about future pregnancies
- (4) Review c̄ CBC after 14d
- (5) Laid casualty/refer OPD for URTI

CLEAN AND GREEN AIIMS / स्वच्छ एम्स का यही संकल्प, स्वच्छता से बनेगा कल
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Ph. : 079 40022800 / 801 / 802. Mobile : + 91 9558800100
CIN No: U85195GJ2009PLC057059

TEST REPORT

Reg. No :	18064600005 **Reg. Date :** 06-Jun-2018 12:46	**Collected On :**	06-Jun-2018 12:46
Name :	SOUMYASHREE DAS	**Report Date :**	06-Jun-2018
Age :	3 Mon **Sex :** Female	**Dispatch At :**	
Ref. By :			
Location :	FOCUS ADVANCED DIAGONSTICS @ CUTTACK	**Tele No:**	06712509060

Hemoglobin Electrophoresis

Specimen: EDTA blood

Parameter	Result	Unit	Biological Reference Interval
* Hb A	2.5	%	96.8 - 97.8
HB A2	1.0	%	2.2 - 3.2
* Hb F	96.5	%	0.0 - 1.0
* Hb S	0.0	%	0

Interpretation

Hb electrophoresis shows high Hb F.
High Hb F and peripheral blood smear findings are suggestive of Homozygous beta thalassemia (thalassemia intermedia/major).
Parents workup is advised.

Method: Capillary electrophoresis by Sebia
Comments:

1. Recent blood transfusion interfere with electrophoresis result and can invalid interpretation.
2. If concomitant iron deficiency occurs HbA2 may be [illegible] (J Lab Clin Med 1968; 71:85-91)
3. Megaloblastic anemias have been associated with HbA2 concentrations that exceed 5 mol (Ashkin et al., 1977; Henshaw et al., 978).
4. HbA2 levels may be consistently elevated in hyperthyroidism and low in untreated cortisonemic, hypothyroidism. (Kendall, and Rastomsky, 1981; Krishnamoorthy et al., 1982; Kuhn et al., 1983).
5. Rarely an individual with thalassemia minor has normal HbA2 (Wu R et al. 0.J Clegg JB. The Thalassemia Syndrome, 4th edn 2001).
6. The HbA2 levels determined by HPLC were found elevated in samples containing HbS (in Shokrani et al, Ann Clin Lab Sci Spring 2000 Vol 30, no.2 191-194)
7. Family and molecular study is required for confirmation of diagnosis.

End Of Report

Test done from collected sample This is an electronically authenticated report.

* Denotes Test not in NABL Scope

Approved by: DR. HARDIK MODI

Approved On: 06-Jun-2018 18:31

Generated On : 06-Jun-2018 21:17

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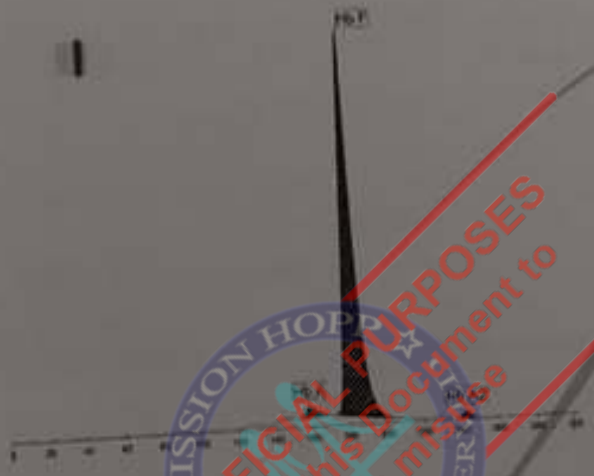
CIN No: U85195GJ2008PLC051659

Name: SOUMYASHREE DAS
Lab ID: 18064600005
Ref: FOCUS ADVANCED

Sex: F
Date: 6/6/2018

Hemoglobin Electrphoresis By Sebia Capillarys 2 Flex Piercing



Fractions	%
Hb A	2.5
Hb F	96.5
Hb A2	1.0

Comment :