



Thalassemia Pre-Infusion Data

Registry Use Only

Sequence Number:

Date Received:

CIBMTR Center Number: _____

CIBMTR Research ID: _____

Event date: _____ - _____ - _____

YYYY

MM

DD

DRAFT

Subsequent Transplant or Cellular Therapy

1. Is this a second or subsequent transplant or cellular therapy for the same disease?
- Yes – **Go to question 27**
 - No – **Go to question 2**

Thalassemia Diagnosis

2. What is the recipient's beta-globin genotype?
- B / B - (*normal genotype, no beta mutation*) – **Go to question 4**
 - B⁺/B⁺ – **Go to question 4**
 - B⁺/B⁰ – **Go to question 4**
 - B^E/B⁺ – **Go to question 4**
 - B^E/B⁰ – **Go to question 4**
 - B⁰/B⁰ – **Go to question 4**
 - Other genotype – **Go to question 3**
 - Unknown – **Go to question 5**
3. Specify other beta-globin genotype: _____
4. Is documentation being attached? (*CIBMTR recommends source documentation*)
- Yes
 - No
5. What is the recipient's alpha-globin genotype?
- aa / aa – (*normal genotype, no alpha mutation*) – **Go to question 7**
 - aa / a- – **Go to question 7**
 - / aa – **Go to question 7**
 - a- / a- – **Go to question 7**
 - / a- – **Go to question 7**
 - / a^{CS}a – **Go to question 7**
 - / --- – **Go to question 7**
 - Other genotype – **Go to question 6**
 - Unknown – **Go to question 8**
6. Specify other alpha-globin genotype: _____

CIBMTR Center Number: _____ CIBMTR Research ID: _____

- Yes – **Go to question 18**
- No – **Go to question 19**

18. Hb F: _____ %

19. Hb E

- Yes – **Go to question 20**
- No – **Go to question 21**

20. Hb E: _____ %

21. Other thalassemia related hemoglobin allele type

- Yes- **Go to question 22**
- No – **Go to question 24**

22. Specify: _____

23. Level: _____ %

24. Which genetic mutations were identified at diagnosis? (*check all that apply*)

- HBG2 (Xmnl) – rs7482144 C>T – **Go to question 26**
- BCL11A – rs1427407 G>T – **Go to question 26**
- BCL11A – rs10189857 A>G – **Go to question 26**
- HMIP – rs66650371 wt>3bp deletion – **Go to question 26**
- KLF1 – c.892 G>C – **Go to question 26**
- KLF1 – c.115 A>C – **Go to question 26**
- HBA1 – HBA deletion (– a^{3.7} / aa) – **Go to question 26**
- HBA1 – HBA triplication (aaa^{anti-3.7} / aa) – **Go to question 26**
- Not done – **Go to question 27**
- Unknown – **Go to question 27**
- Other – **Go to question 25**

25. Specify other: _____

26. Is documentation being attached? (*CIBMTR recommends source documentation*)

- Yes
- No

Donor Related Information

27. What is the donor's beta-globin genotype?

- B / B – *(normal genotype, no beta mutation)* – **Go to question 29**
- B/B⁰, B/B⁺ – **Go to question 29**
- B⁺/B⁺ – **Go to question 29**
- B⁺/B⁰ – **Go to question 29**
- B^E/B⁺ – **Go to question 29**
- B^E/B⁰ – **Go to question 29**
- B⁰/B⁰ – **Go to question 29**
- Other genotype – **Go to question 28**
- Unknown – **Go to question 30**

28. Specify other beta-globin genotype: _____

29. Is documentation being attached? *(CIBMTR recommends source documentation)*

- Yes
- No

30. What is the donor's alpha-globin genotype?

- aa / aa – *(normal genotype, no alpha mutation)* – **Go to question 32**
- aa / a- – **Go to question 32**
- / aa – **Go to question 32**
- a- / a- – **Go to question 32**
- / a- – **Go to question 32**
- / a^{CS}a – **Go to question 32**
- / --- – **Go to question 32**
- Other genotype – **Go to question 31**
- Unknown – **Go to question 33**

31. Specify other alpha-globin genotype: _____

32. Is documentation being attached? *(CIBMTR recommends source documentation)*

- Yes
- No

33. Hemoglobin *(for donor) (most recent prior to collection of infusion product)*

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43. Hb A2: _____ %

44. Hb C

Yes – **Go to question 45**

No – **Go to question 46**

45. Hb C: _____ %

46. Hb F

Yes – **Go to question 47**

No – **Go to question 48**

47. Hb F: _____ %

48. Hb E

Yes – **Go to question 49**

No – **Go to question 50**

49. Hb E: _____ %

50. Other thalassemia related hemoglobin allele type

Yes- **go to question 51**

No – **Go to question 53**

51. Specify: _____

52. Level: _____ %

Transfusion Therapy

For questions 53-112 report findings from ANY TIME PRIOR to the preparative regimen / infusion unless otherwise specified. If more than one test was performed report the most recent unless otherwise stated.

53. Were any red blood cell (RBC) transfusions administered?

Yes– **Go to question 54**

No – **Go to question 60**

54. Number of RBC transfusion events within the last 12 months: _____

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$\mu\text{mol/L}$

63. Upper limit of normal for your institution : _____ • _____

Cardiac Assessments

Laboratory studies within 60 days prior to the start of preparative regimen, use result closest to the start date

64. Was an echocardiogram performed?

- Yes – **Go to question 65**
- No – **Go to question 69**
- Unknown – **Go to question 69**

65. Was left ventricular ejection fraction (LVEF) or left ventricular shortening fraction reported?

- Yes – **Go to question 66**
- No – **Go to question 68**

66. LVEF: _____ %

67. Left ventricular shortening fraction: _____ %

68. Is documentation being attached? (*CIBMTR recommends attaching the echocardiogram report*)

- Yes
- No

69. Cardiac iron T2 imaging (*found on MRI results*)

- Known – **Go to question 70**
- Unknown – **Go to question 71**

70. Cardiac iron T2: _____ msec

71. Was brain natriuretic peptide (BNP) assessed?

- Yes – **Go to question 72**
- No – **Go to question 73**
- Unknown – **Go to question 73**

72. BNP: _____ • _____ pg/mL

Renal Assessments

Laboratory studies within 60 days prior to the start of preparative regimen, use result closest to the start date

73. Was proteinuria detected? (*excluding microalbuminuria*)
- Yes
 - No
 - Not done
74. Glomerular filtration rate (GFR) (*only required if the recipient is 19 years of age or older*)
- Known – **Go to question 75**
 - Unknown – **Go to question 76**
75. GFR: _____ mL/min/1.73m² (*if the actual value cannot be reported use the Cockcroft- Gault equation to report the calculated value*)

Avascular Necrosis

76. Has avascular necrosis occurred?
- Yes – **Go to question 77**
 - No – **Go to question 79**
 - Unknown – **Go to question 79**
77. Specify joint(s) affected (*check all that apply*)
- Hip – **Go to question 79**
 - Knee – **Go to question 79**
 - Shoulder – **Go to question 79**
 - Other – **Go to question 78**
78. Specify other: _____

Other Symptoms

79. Have chronic leg ulcers developed?
- Yes
 - No
 - Unknown

Unknown - **Go to question 106**

98. DEXA scan vertebral

Known – **Go to question 99**

Unknown – **Go to question 100**

99. Z or T – score: ____ . ____ Negative value

100. DEXA scan hip

Known – **Go to question 101**

Unknown – **Go to question 102**

101. Z or T – score: ____ . ____ Negative value

102. Quantitative CT vertebral

Known – **Go to question 103**

Unknown – **Go to question 104**

103. Z or T – score: ____ . ____ Negative value

104. Quantitative CT hip

Known – **Go to question 105**

Unknown – **Go to question 106**

105. Z or T – score: ____ . ____ Negative value

Copy and complete 95-105 to report multiple impairments

Disease Modifying Therapies

106. Were disease modifying therapies given? (*excludes blood transfusions*)

Yes – **Go to question 107**

No - **Go to question 113**

Unknown - **Go to question 113**

If there is more than one therapy given copy questions 107- 112 for each therapy.

107. Specify the disease modifying therapy (*check all that apply*)

Hydroxyurea – **Go to question 109**

Luspatercept – **Go to question 109**

