



## Plasma Cell Disorders (PCD) Pre-Infusion Data

**Registry Use Only**  
Sequence Number: \_\_\_\_\_

Date Received: \_\_\_\_\_

CIBMTR Center Number: \_\_\_\_\_

CIBMTR Research ID: \_\_\_\_\_

Event date: \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_  
                  YYYY   MM   DD

**Subsequent Transplant or Cellular Therapy**

If this is a report of a second or subsequent transplant or cellular therapy for the same disease subtype and this baseline disease insert has not been completed for the previous transplant (e.g. patient was on TED track for the prior HCT or cellular therapy, prior HCT or cellular therapy was autologous with no consent, prior cellular therapy was not reported to the CIBMTR), mark "No" and begin the form at question one.

If this is a report of a second or subsequent transplant or cellular therapy for a different disease, mark "No" and begin the form at question one.

Is this the report of a second or subsequent transplant or cellular therapy for the same disease?

- Yes - **Go to question 157**
- No - **Go to question 1**

**Disease Assessment at Diagnosis**

1. Specify the multiple myeloma/plasma cell disorder (PCD) classification

- Multiple myeloma (178)
- Multiple myeloma-light chain only (186)
- Multiple myeloma-non-secretory (187)
- Plasma cell leukemia (172)
- Solitary plasmacytoma (no evidence of myeloma) (175)
- Smoldering myeloma (180)
- Amyloidosis (174)
- Osteosclerotic myeloma / POEMS syndrome (176)
- Monoclonal gammopathy of renal significance (MGRS) (1611)
- Other plasma cell disorder (179)

2. Specify preceding / concurrent disorder (check all that apply)

- Multiple myeloma
- Multiple myeloma-light chain only
- Multiple myeloma-non-secretory
- Plasma cell leukemia
- Solitary plasmacytoma (no evidence of myeloma)
- Smoldering myeloma
- Amyloidosis
- Osteosclerotic myeloma / POEMS syndrome
- Monoclonal gammopathy of unknown significance (MGUS)
- Monoclonal gammopathy of renal significance (MGRS)
- Other plasma cell disorder (PCD)

**Diagnostic Studies (Measured Prior to Any Disease Treatment)**

**Report values prior to first treatment for plasma cell disorder.**

3. Hemoglobin

- Known
- Unknown

4. \_\_\_\_\_ • \_\_\_\_\_  g/dL  g/L  mmol/L

5. Serum calcium

- Known
- Unknown

6. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  mmol/L  mEq/L

7. Serum creatinine

- Known
- Unknown

8. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  mmol/L  μmol/L

9. Upper limit of normal for serum creatinine: \_\_\_\_\_ • \_\_\_\_\_

10. Serum monoclonal protein (M-spike) (only from electrophoresis)

- Known
- Unknown
- Not applicable

11. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  g/dL  g/L

12. Serum immunofixation

- Known
- Unknown
- Not applicable

13. What was the M-spike type? (check all that apply)

- IgG kappa
- IgA kappa
- IgM kappa
- IgD kappa
- IgE kappa
- IgG lambda
- IgA lambda
- IgM lambda
- IgD lambda
- IgE lambda
- IgG (heavy chain only)
- IgA (heavy chain only)
- IgM (heavy chain only)
- IgD (heavy chain only)
- IgE (heavy chain only)
- Kappa (light chain only)
- Lambda (light chain only)
- No bands present

14. Serum free light chains — κ (kappa)

- Known
- Unknown
- Not applicable

15. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  mg/L

16. Upper limit of normal for κ (kappa) free light chain: \_\_\_\_\_ • \_\_\_\_\_

17. Serum free light chains — λ (lambda)

- Known →
- Unknown
- Not applicable

18. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  mg/L

19. Upper limit of normal for λ (lambda) free light chain: \_\_\_\_\_ • \_\_\_\_\_

**Specify the following serum quantitative immunoglobulins**

20. IgG

- Known →
- Unknown

21. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  g/dL  g/L

22. Upper limit of normal for IgG: \_\_\_\_\_ • \_\_\_\_\_

23. IgA

- Known →
- Unknown

24. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  g/dL  g/L

25. Upper limit of normal for IgA: \_\_\_\_\_ • \_\_\_\_\_

26. IgM

- Known →
- Unknown

27. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  g/dL  g/L

28. Upper limit of normal for IgM: \_\_\_\_\_ • \_\_\_\_\_

29. IgD

- Known →
- Unknown

30. \_\_\_\_\_ • \_\_\_\_\_  mg/dL  g/dL  g/L

31. Upper limit of normal for IgD: \_\_\_\_\_ • \_\_\_\_\_

32. IgE

- Known →
- Unknown

33. \_\_\_\_\_ • \_\_\_\_\_ IU/mL

34. Upper limit of normal for IgE: \_\_\_\_\_ • \_\_\_\_\_

35. Urinary monoclonal protein (M-spike)/ 24 hours

- Known →
- Unknown
- Not applicable

36. \_\_\_\_\_ • \_\_\_\_\_  mg/24 hours  g/24 hours

37. Urine light chain

- kappa
- lambda
- Not applicable

38. Total urine protein in 24 hours

- Known →
- Unknown
- Not applicable

39. \_\_\_\_\_ • \_\_\_\_\_  mg/24 hours  g/24 hours

40. Urine albumin / creatinine ratio

- Known →
- Unknown

41. \_\_\_\_\_ • \_\_\_\_\_  mg/g  mg/mmol

42. Urine protein / creatinine ratio  
 Known →  
 Unknown

43. \_\_\_\_\_ • \_\_\_\_\_  mg/g  mg/mmol

44. Plasma cells in bone marrow aspirate by flow cytometry  
 Known →  
 Unknown

45. \_\_\_\_\_ • \_\_\_\_\_ %

46. Plasma cells in bone marrow aspirate by morphologic assessment  
 Known →  
 Unknown

47. \_\_\_\_\_ %

48. Plasma cells in bone marrow biopsy  
 Known →  
 Unknown

49. \_\_\_\_\_ %

50. Were immunohistochemical stains obtained? (bone marrow biopsy)  
 Yes →  
 No  
 Unknown

51. CD138:  Positive  Negative  Unknown  
 52. CD38:  Positive  Negative  Unknown

53. Was a gene expression profile performed?  
 Yes →  
 No

54. Were results considered high-risk myeloma?  Yes  No  
 55. Was documentation submitted to the CIBMTR (e.g. gene expression profile report)?  
 Yes  No

56. Was a PET/CT scan performed?  
 Yes →  
 No

57. Was the PET/CT scan positive for myeloma involvement at any disease site?  
 Yes →  
 No

58. Areas of involvement (check all that apply)  
 Bone marrow  
 Extramedullary plasmacytomas  
 Lytic bone lesions  
 Sclerotic bone lesions

59. Date of PET/CT scan  
 Known →  
 Unknown

60. Date of PET/CT scan: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
 YYYYY MM DD

**Amyloidosis Organ Involvement at Diagnosis**

Complete questions 61 - 124 for amyloid patients only. If diagnosis was other than amyloidosis, or there is no evidence or history of it, skip to question 125.

61. Sites of tissue with pathologic diagnosis of amyloidosis (check all that apply)

- Bone marrow
- Fat
- GI tract
- Heart
- Kidney
- Liver
- Lung
- Muscle
- Nerve
- Salivary gland
- Skin
- Tongue
- Other

62. Specify other site: \_\_\_\_\_

63. Was amyloid subtyping performed?

- Yes
- No

64. Indicate amyloid subtype

- AL kappa
- AL lambda
- AHL G kappa
- AHL A kappa
- AHL M kappa
- AHL D kappa
- AHL E kappa
- AHL G lambda
- AHL A lambda
- AHL M lambda
- AHL D lambda
- AHL E lambda
- AH G
- AH A
- AH M
- AH D
- AH E

65. Indicate method utilized for subtyping

- Immunohistochemistry
- Mass spectrometry
- Immunofluorescence
- Other

66. Specify other method utilized for subtyping:

\_\_\_\_\_

**Cardiac Involvement**

67. Was a cardiac imaging procedure performed?

- Yes →
- No

68. Was a cardiac MRI done?

- Yes →
- No

69. Specify cardiac MRI results  
 Normal     Abnormal     Unknown

70. Was documentation submitted to the CIBMTR (e.g. MRI report)?  
 Yes     No

71. Was the left ventricular ejection fraction measured?

- Yes →
- No

72. Specify the left ventricular ejection fraction: \_\_\_\_\_ %

73. Specify the method used to determine the left ventricular ejection fraction  
 Echocardiogram  
 Multiple gated acquisition (MUGA) scan  
 Cardiac MRI  
 Unknown

74. Was diastolic dysfunction present?     Yes     No     Unknown

75. Specify the interventricular septal wall thickness measured by echocardiogram

- Known →
- Unknown

76. \_\_\_\_\_ mm

77. Specify left ventricular (LV) strain percentage

- Known →
- Unknown

78. \_\_\_\_\_ %

79. Were any serum cardiac biomarkers assessed?

- Yes →
- No
- Unknown

80. Date cardiac biomarkers were assessed: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
YYYY    MM    DD

**Specify the cardiac biomarkers assessed:**

81. Brain natriuretic peptide (BNP)

- Yes →
- No

82. \_\_\_\_\_ • \_\_\_\_\_ pg/mL

83. Upper limit of normal for BNP: \_\_\_\_\_ • \_\_\_\_\_

84. N-terminal prohormone brain natriuretic peptide (NT-proBNP)

- Yes →
- No

85. \_\_\_\_\_ • \_\_\_\_\_ pg/mL

86. Upper limit of normal for NT-proBNP: \_\_\_\_\_ • \_\_\_\_\_

87. Troponin I

- Yes →  
 No

88. \_\_\_\_\_ • \_\_\_\_\_ µg/L

89. Upper limit of normal for troponin I: \_\_\_\_\_ • \_\_\_\_\_

90. Troponin T

- Yes →  
 No

91. \_\_\_\_\_ • \_\_\_\_\_ µg/L

92. Upper limit of normal for troponin T: \_\_\_\_\_ • \_\_\_\_\_

93. High sensitivity troponin T

- Yes →  
 No

94. \_\_\_\_\_ • \_\_\_\_\_ ng/L

95. Upper limit of normal for high sensitivity troponin T:

\_\_\_\_\_ • \_\_\_\_\_

96. Was a 6 minute walk test performed?

- Yes →  
 No

97. Distance walked: \_\_\_\_\_  meters  feet

98. Specify the recipient's New York Heart Association functional classification of heart failure (Symptoms may include dyspnea, chest pain, fatigue, and palpitations; activity level should be assessed with consideration for patient's age-group)

- Class I – Able to perform ordinary activities without symptoms; no limitation of physical activity  
 Class II – Ordinary physical activity produces symptoms; slight limitation of physical activity  
 Class III – Less-than-ordinary physical activity produces symptoms; moderate limitation of physical activity  
 Class IV – Symptoms present even at rest; severe limitation of physical activity  
 Unknown

99. Recipient blood pressure (at diagnosis)

- Known →  
 Unknown

100. \_\_\_\_\_ / \_\_\_\_\_ mm/Hg

101. Indicate body position during blood pressure measurement

- Sitting  Standing  Supine  Unknown

102. Did the recipient develop pericardial effusion?  Yes  No

**Hepatic Involvement**

103. Was hepatomegaly present on radiographic imaging (liver span > 15 cm) or on examination (liver edge palpable >3 cm below right costal margin)?

- Yes  No  Unknown



104. Specify the level of serum alkaline phosphatase

- Known →
- Unknown

105. \_\_\_\_\_ • \_\_\_\_\_  IU/L   $\mu$ kat/L

106. Upper limit of normal for serum alkaline phosphatase: \_\_\_\_\_ • \_\_\_\_\_

**Gastrointestinal Involvement**

107. Was there clinical suspicion of gastrointestinal (GI) involvement?

- Yes →
- No
- Unknown

108. Specify the site(s) of GI involvement (check all that apply)

- Tongue (macroglossia)
- Esophagus
- Stomach
- Small Intestine
- Colon
- Rectum

**Peripheral Nervous System Involvement**

109. Was a sensory / motor exam performed?

- Yes →
- No
- Unknown

110. Specify the exam results  Normal  Abnormal

111. Did the recipient display any other evidence of peripheral nerve involvement for amyloidosis?

- Yes →
- No

112. Specify other evidence: \_\_\_\_\_

**Autonomic Neuropathy Involvement**

113. Did the recipient display symptomatic orthostatic hypotension (not attributable to medications or volume depletion)?  Yes  No

114. Did the recipient display any other evidence of autonomic neuropathy involvement (e.g. pseudo-obstruction or intractable diarrhea)?

- Yes →
- No

115. Specify other evidence: \_\_\_\_\_

**Other Organ Involvement**

116. Did the recipient display any other clinical organ involvement?

- Yes →
- No

117. Specify the evidence of other organ involvement (check all that apply)

- Arthropathy
- Lung
- Soft tissue
- Other organ involvement →

118. Specify other organ: \_\_\_\_\_

119. Was Factor X measured?

- Yes
- No

120. \_\_\_\_\_ %

121. Indicate the type of Factor X measurement

Activity     Antigen

122. Was the recipient on Warfarin (Coumadin)?

Yes     No

123. Uric acid at diagnosis

- Known
- Unknown

124. \_\_\_\_\_ mg/dL

**POEMS Syndrome Assessment at Diagnosis**

**Questions 125 - 156 for POEMS syndrome patients only. If diagnosis was other than POEMS or there is no evidence or history of it, skip to question 157.**

125. Specify POEMS clinical features (check all that apply)

- Castleman's disease
- Hepatomegaly
- Extravascular volume overload (ascites, peripheral edema, pleural effusion)
- Lymphadenopathy
- Papilledema
- Polyneuropathy
- Skin changes (hyperpigmentation, hypertrichosis, glomeruloid hemangiomas, plethora, acrocyanosis, flushing, white nails)
- Sclerotic bone lesions
- Splenomegaly
- Thrombocytosis/ polycythemia
- Other \_\_\_\_\_ →

126. Specify other POEMS clinical feature: \_\_\_\_\_

127. Thyroid stimulating hormone (TSH)

- Known \_\_\_\_\_ →
- Unknown

128. \_\_\_\_\_ • \_\_\_\_\_ mU/L (μU/mL)

129. Upper limit of normal for thyroid stimulating hormone (TSH): \_\_\_\_\_ • \_\_\_\_\_

130. Testosterone level:

- Known \_\_\_\_\_ →
- Unknown

131. \_\_\_\_\_ • \_\_\_\_\_  ng/dL  nmol/L

132. Upper limit of normal for testosterone level: \_\_\_\_\_ • \_\_\_\_\_

133. Estradiol level

- Known \_\_\_\_\_ →
- Unknown

134. \_\_\_\_\_ • \_\_\_\_\_ pg/mL

135. Upper limit of normal for estradiol level: \_\_\_\_\_ • \_\_\_\_\_

136. Prolactin level

- Known \_\_\_\_\_ →
- Unknown

137. \_\_\_\_\_ ng/mL

138. Upper limit of normal for prolactin level: \_\_\_\_\_

139. Cortisol level

- Known \_\_\_\_\_ →
- Unknown

140. \_\_\_\_\_ • \_\_\_\_\_  μg/dL  nmol/L

141. Upper limit of normal for cortisol level: \_\_\_\_\_ • \_\_\_\_\_

142. Interleukin-6

- Known →
- Unknown

143. \_\_\_\_\_ • \_\_\_\_ pg/mL

144. Upper limit of normal for interleukin-6: \_\_\_\_\_ • \_\_\_\_

145. Was pulmonary artery hypertension present?

- Yes →
- No

146. Specify the estimated systolic artery pressure: \_\_\_\_\_ mm Hg

147. Forced vital capacity (FVC)

- Known →
- Unknown

148. \_\_\_\_\_ %

149. Total lung capacity

- Known →
- Unknown

150. \_\_\_\_\_ mL

151. Vascular endothelial growth factor (VEGF) serum value

- Known →
- Unknown

152. \_\_\_\_\_ • \_\_\_\_ pg/mL

153. Upper limit of normal for serum VEGF: \_\_\_\_\_ • \_\_\_\_

154. Vascular endothelial growth factor (VEGF) plasma value

- Known →
- Unknown

155. \_\_\_\_\_ • \_\_\_\_ pg/mL

156. Upper limit of normal for plasma VEGF: \_\_\_\_\_ • \_\_\_\_



167. Were systemic drugs given? (as part of this line of therapy) (Report drugs given that were not already reported as one of the standard regimens, OR drugs given in addition to one of the standard regimens reported above as part of the same line of therapy)

- Yes →
- No

168. Systemic drugs (check all drugs given as part of this line of therapy)

- Bendamustine
- Bortezomib (Velcade)
- Carfilzomib
- Carmustine (BCNU, Gliadel)
- Cisplatin (Platinol, CDDP)
- Clarithromycin (Biaxin)
- Corticosteroids
- Cyclophosphamide (Cytoxan)
- Cytarabine (Ara-C)
- Daratumumab (Darzalex)
- Doxorubicin (Adriamycin)
- Doxorubicin liposomal (Doxil)
- Elotuzumab
- Etoposide (VP-16, VePesid)
- Idarubicin (Idamycin)
- Interferon- $\alpha$  (Intron, Roferon) (includes PEG)
- Isatuximab
- Ixazomib
- Lenalidomide (Revlimid)
- Marizomib
- Melphalan (L-PAM, Alkeran)
- Oprozomib
- Panobinostat
- Pomalidomide
- Rituximab
- Selinexor
- Thalidomide (Thalomid)
- Venetoclax
- Vorinostat
- Other systemic therapy →

169. Specify other systemic therapy:

\_\_\_\_\_

170. Was this line of therapy given for stem cell mobilization (priming)?

- Yes
- No

171. Did the recipient receive any amyloid fibril-directed therapies?

- Yes →
- No

172. Specify amyloid fibril-directed therapies (check all that apply)

- Doxycycline
- EGCG / green tea
- CAEL- 101
- NEOD- 001
- Other →

173. Specify other:  
\_\_\_\_\_

174. Radiation therapy

- Yes →
- No

175. Date therapy started

- Known →
- Unknown

176. Date started:

\_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_  
YYYY MM DD

177. Date therapy stopped

- Known - **Go to question 178**
- Unknown - **Go to question 179**
- Not applicable (**still receiving therapy**) - **Go to question 181**

178. Date stopped:

\_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_  
YYYY MM DD

179. Dose of radiation therapy

- Known →
- Unknown

180. Total dose: \_\_\_\_\_  Gy  
 cGy

181. Cellular therapy (e.g. CAR-T cells)

- Yes
- No

182. Best hematologic response to line of therapy

- Stringent complete response (sCR)  
 Complete response (CR)  
 Very good partial response (VGPR)  
 Partial response (PR)  
 No response (NR) / stable disease (SD)  
 Progressive disease (PD)  
 Relapse from CR (Rel) (untreated)

183. Date assessed \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_  
 YYYY MM DD

- Unknown - **Go to question 184**

184. Best hematologic response to line of therapy (for Amyloid patients only)

- Complete response (CR)  
 Very good partial response (VGPR)  
 Partial response (PR)  
 No Response (NR) / stable disease (SD)  
 Progressive disease (PD)  
 Relapse from CR (Rel) (untreated)

185. Date assessed \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_  
 YYYY MM DD

- Unknown - **Go to question 186**

186. Did disease relapse/progress following this line of therapy?

- Yes →  
 No

187. Date of relapse/progression: \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_  
 YYYY MM DD

**Copy questions 158 - 187 to report more than one line of therapy.**



**Laboratory Studies at Last Evaluation Prior to the Start of the Preparative Regimen / Infusion**

188. Serum  $\beta_2$  – microglobulin

- Known  $\longrightarrow$
- Unknown

189. \_\_\_\_\_ • \_\_\_\_\_   $\mu\text{g/dL}$    $\text{mg/L}$    $\text{nmol/L}$

190. Plasma cells in blood by flow cytometry

- Known  $\longrightarrow$
- Unknown

191. \_\_\_\_\_ • \_\_\_\_\_%

192. \_\_\_\_\_ • \_\_\_\_\_   $\times 10^9/\text{L}$  ( $\times 10^3/\text{mm}^3$ )   $\times 10^6/\text{L}$

193. Plasma cells in blood by morphologic assessment

- Known  $\longrightarrow$
- Unknown

194. \_\_\_\_\_%

195. \_\_\_\_\_ • \_\_\_\_\_   $\times 10^9/\text{L}$  ( $\times 10^3/\text{mm}^3$ )   $\times 10^6/\text{L}$

196. Serum albumin

- Known  $\longrightarrow$
- Unknown

197. \_\_\_\_\_ • \_\_\_\_\_   $\text{g/dL}$    $\text{g/L}$

198. Serum monoclonal protein (M-spike) (only from electrophoresis)

- Known  $\longrightarrow$
- Unknown
- Not applicable

199. \_\_\_\_\_ • \_\_\_\_\_   $\text{mg/dL}$    $\text{g/dL}$    $\text{g/L}$

200. Serum immunofixation

- Known  $\longrightarrow$
- Unknown
- Not applicable

**Specify bands present:**

201. Original monoclonal bands:  Yes  No

202. New monoclonal (or oligoclonal) bands:  Yes  No

203. Serum free light chains —  $\kappa$  (kappa)

- Known  $\longrightarrow$
- Unknown
- Not applicable

204. \_\_\_\_\_ • \_\_\_\_\_   $\text{mg/dL}$    $\text{mg/L}$

205. Upper limit of normal for  $\kappa$  (kappa) free light chain: \_\_\_\_\_ • \_\_\_\_\_

206. Serum free light chains —  $\lambda$  (lambda)

- Known  $\longrightarrow$
- Unknown
- Not applicable

207. \_\_\_\_\_ • \_\_\_\_\_   $\text{mg/dL}$    $\text{mg/L}$

208. Upper limit of normal for  $\lambda$  (lambda) free light chain: \_\_\_\_\_ • \_\_\_\_\_

209. Urinary monoclonal protein (M-spike) / 24 hours

- Known →
- Unknown
- Not applicable

210. \_\_\_\_\_ • \_\_\_\_\_  mg/24 hours  g/24 hours

211. Urinary immunofixation

- Known →
- Unknown
- Not applicable

**Specify bands present:**

212. Original monoclonal bands  Yes  No

213. New monoclonal (or oligoclonal) bands  Yes  No

214. Total urine protein in 24 hours

- Known →
- Unknown
- Not applicable

215. \_\_\_\_\_ • \_\_\_\_\_  mg/24 hours  g/24 hours

216. Urine albumin / creatinine ratio

- Known →
- Unknown

217. \_\_\_\_\_ • \_\_\_\_\_  mg/g  mg/mmol

218. Urine protein / creatinine ratio

- Known →
- Unknown

219. \_\_\_\_\_ • \_\_\_\_\_  mg/g  mg/mmol

220. Was minimal residual disease (MRD) assessed during the pre-HCT or pre-infusion evaluation? (report only bone marrow or blood results)

- Yes →
- No
- Unknown

221. Next generation sequencing (NGS)

- Positive →
- Negative
- Not done

222. Sample source  Blood  Bone marrow

223. Indicate the sensitivity of the NGS testing

- 10<sup>-4</sup>
- 10<sup>-5</sup>
- 10<sup>-6</sup>
- Unknown
- Other →

224. Specify other sensitivity: \_\_\_\_\_

225. Next generation flow (NGF)

Positive →

Negative →

Not done

226. Sample source  Blood  Bone marrow

227. Indicate the sensitivity of the NGF testing

10<sup>-4</sup>

10<sup>-5</sup>

10<sup>-6</sup>

Unknown

Other →

228. Specify other sensitivity: \_\_\_\_\_

229. Plasma cells in bone marrow aspirate by flow cytometry

Known →

Unknown

230. \_\_\_\_\_ • \_\_\_\_\_ %

231. Plasma cells in bone marrow aspirate by morphologic assessment

Known →

Unknown

232. \_\_\_\_\_ %

233. Plasma cells in bone marrow biopsy

Known →

Unknown

234. \_\_\_\_\_ %

235. Were cytogenetics tested (karyotyping or FISH)?

Yes →

No

Unknown

236. Were cytogenetics tested via FISH?

Yes →

No

237. Results of tests

Abnormalities identified →

No abnormalities

**Specify cytogenetic abnormalities identified via FISH at last evaluation prior to the start of the preparative regimen:**

238. International System for Human Cytogenetic Nomenclature (ISCN) compatible string: \_\_\_\_\_

239. Specify abnormalities (check all that apply)

**Trisomy**

+ 3

+ 5

+ 7

+ 9

+ 11

+ 15

+ 19

**Translocation**

- t(4;14)
- t(6;14)
- t(11;14)
- t(14;16)
- t(14;20)

**Deletion**

- del (13q) /13q-
- del (17p) /17p-

**Monosomy**

- 13
- 17

**Other**

- Hyperdiploid (>50)
- Hypodiploid (<46)
- Any abnormality at 1q
- Any abnormality at 1p
- MYC rearrangement
- Other abnormality →

240. Specify other abnormality:  
\_\_\_\_\_

241. Was documentation submitted to the CIBMTR? (e.g. FISH report)  Yes  No

242. Were cytogenetics tested via karyotyping?

- Yes →
- No

243. Results of tests

- Abnormalities identified →
- No evaluable metaphases
- No abnormalities

**Specify cytogenetic abnormalities identified via conventional cytogenetics at last evaluation prior to the start of the preparative regimen:**

244. International System for Human Cytogenetic Nomenclature (ISCN) compatible string: \_\_\_\_\_

245. Specify abnormalities (check all that apply)

**Trisomy**

- + 3
- + 5
- + 7
- + 9
- + 11
- + 15
- + 19

**Translocation**

- t(4;14)
- t(6;14)
- t(11;14)
- t(14;16)
- t(14;20)

**Deletion**

- del (13q) /13q-
- del (17p) /17p-

**Monosomy**

- 13
- 17

**Other**

- Hyperdiploid (>50)
- Hypodiploid (<46)
- Any abnormality at 1q
- Any abnormality at 1p
  
- MYC rearrangement
- Other abnormality

246. Specify other abnormality:  
\_\_\_\_\_

247. Was documentation submitted to the CIBMTR? (e.g. karyotyping report)  Yes  No





278. High sensitivity troponin T

- Yes →
- No

279. \_\_\_\_\_ • \_\_\_\_\_ ng/L

280. Upper limit of normal for high sensitivity troponin T: \_\_\_\_\_ • \_\_\_\_\_

281. Was a 6 minute walk test performed?

- Yes →
- No

282. Distance walked: \_\_\_\_\_  meters  feet

283. Specify the recipient's New York Heart Association functional classification of heart failure (Symptoms may include dyspnea, chest pain, fatigue, and palpitations; activity level should be assessed with consideration for patient's age-group)

- Class I – Able to perform ordinary activities without symptoms; no limitation of physical activity
- Class II – Ordinary physical activity produces symptoms; slight limitation of physical activity
- Class III – Less-than-ordinary physical activity produces symptoms; moderate limitation of physical activity
- Class IV – Symptoms present even at rest; severe limitation of physical activity
- Unknown

284. Recipient blood pressure (at last assessment prior to the start of preparative regimen)

- Known →
- Unknown

285. \_\_\_\_\_ / \_\_\_\_\_ mm/Hg

286. Indicate body position during blood pressure measurement:

- Sitting  Standing  Supine  Unknown

**Hepatic Involvement**

287. Was hepatomegaly present on radiographic imaging (liver span &gt; 15 cm) or on examination (liver edge palpable &gt;3 cm below right costal margin)?

- Yes  No  Unknown

288. Specify the level of serum alkaline phosphatase

- Known →
- Unknown

289. \_\_\_\_\_ • \_\_\_\_\_  IU/L   $\mu$ kat/L

290. Upper limit of normal for serum alkaline phosphatase: \_\_\_\_\_ • \_\_\_\_\_



**POEMS Syndrome Assessment at Last Evaluation Prior to the Start of the Preparative Regimen / Infusion**

**Questions 291 - 296 for POEMS syndrome patients only. If diagnosis was other than POEMS or there is no evidence or history of it, skip to Signature Line.**

291. Vascular endothelial growth factor (VEGF) serum value

- Known →
- Unknown

292. \_\_\_\_\_ • \_\_\_\_\_ pg/mL

293. Upper limit of normal for serum VEGF: \_\_\_\_\_ • \_\_\_\_\_

294. Vascular endothelial growth factor (VEGF) plasma value

- Known →
- Unknown

295. \_\_\_\_\_ • \_\_\_\_\_ pg/mL

296. Upper limit of normal for plasma VEGF: \_\_\_\_\_ • \_\_\_\_\_

First Name (person completing form): \_\_\_\_\_

Last Name: \_\_\_\_\_

E-mail address: \_\_\_\_\_

Date: \_\_\_\_ / \_\_\_\_ / \_\_\_\_  
          YYYY   MM   DD

**Response Codes**

**Stringent complete response (sCR)** — CR as defined, plus: normal free light chain ratio, and absence of clonal cells in the bone marrow by immunohistochemistry or immunofluorescence (confirmation with repeat bone marrow biopsy not needed). (Presence and/or absence of clonal cells is based upon the  $\kappa/\lambda$  ratio. An abnormal  $\kappa/\lambda$  ratio by immunohistochemistry and/or immunofluorescence requires a minimum of 100 plasma cells for analysis. An abnormal ratio reflecting the presence of an abnormal clone is  $\kappa/\lambda$  of  $> 4:1$  or  $< 1:2$ .) sCR requires two consecutive assessments made at any time before the institution of any new therapy, and no known evidence of progressive or new bone lesions if radiographic studies were performed; radiographic studies are not required to satisfy sCR requirements.

**Complete response (CR)** — negative immunofixation on serum and urine samples, and disappearance of any soft tissue plasmacytomas, and  $< 5\%$  plasma cells in the bone marrow (confirmation with repeat bone marrow biopsy not needed). CR requires two consecutive assessments made at any time before the institution of any new therapy, and no known evidence of progressive or new bone lesions if radiographic studies were performed; radiographic studies are not required to satisfy CR requirements.

**Very good partial response (VGPR)** — serum and urine M-protein detectable by immunofixation but not on electrophoresis, or  $\geq 90\%$  reduction in serum M-protein and urine M-protein level  $< 100$  mg/24 hours. VGPR requires two consecutive assessments made at any time before the institution of any new therapy, and no known evidence of progressive or new bone lesions if radiographic studies were performed; radiographic studies are not required to satisfy VGPR requirements.

**Partial response (PR)** —  $\geq 50\%$  reduction in serum M-protein, and reduction in 24-hour urinary M-protein by  $\geq 90\%$  or to  $< 200$  mg/24 hours. If the serum and urine M-protein are unmeasurable (i.e., do not meet any of the following criteria: • serum M-protein  $\geq 1$  g/dL. Urine M-protein  $\geq 200$  mg/24 hours • serum free light chain assay shows involved level  $\geq 10$  mg/dL, provided serum free light chain ratio is abnormal), a  $\geq 50\%$  decrease in the difference between involved and uninvolved free light chain levels is required in place of the M-protein criteria. If serum and urine M-protein are unmeasurable, and serum free light assay is also unmeasurable, a  $\geq 50\%$  reduction in plasma cells is required in place of M-protein, provided the baseline bone marrow plasma cell percentage was  $\geq 30\%$ . In addition to the above listed criteria, a  $\geq 50\%$  reduction in the size of soft tissue plasmacytomas is also required, if present at baseline. PR requires two consecutive assessments made at any time before the institution of any new therapy, and no known evidence of progressive or new bone lesions if radiographic studies were performed; radiographic studies are not required to satisfy PR requirements.

**No response (NR) / Stable disease (SD)** — not meeting the criteria for CR, VGPR, PR or PD. SD requires two consecutive assessments made at any time before the institution of any new therapy, and no known evidence of progressive or new bone lesions if radiographic studies were performed; radiographic studies are not required to satisfy SD requirements.

**Progressive disease (PD)** — requires any one or more of the following: Increase of  $\geq 25\%$  from baseline (from the lowest response value achieved) in: Serum M-component with an absolute increase  $\geq 0.5$  g/dL (for progressive disease, serum M-component increases of  $\geq 1$  g/dL are sufficient if the starting M-component is  $\geq 5$  g/dL); and/or Urine M-component with an absolute increase  $\geq 200$  mg/24 hours; and/or For recipients without measurable serum and urine M-protein levels, the difference between involved and uninvolved free light chain levels (absolute increase  $> 10$  mg/dL). Bone marrow plasma cell percentage (absolute percentage  $\geq 10\%$ ); and/or Definite development of new bone lesions or soft tissue plasmacytomas, and/or definite increase in the size of any existing bone lesions or soft tissue plasmacytomas; and/or Development of hypercalcemia (corrected serum calcium  $> 11.5$  mg/dL or  $2.65$  mmol) that can be attributed solely to the plasma cell proliferative disorder. PD requires two consecutive assessments made at any time before classification as disease progression, and/or the institution of any new therapy.

**Relapse from CR (Rel) (untreated)** — requires one or more of the following: reappearance of serum or urine M-protein by immunofixation or electrophoresis development of  $\geq 5\%$  plasma cells in the bone marrow (relapse from CR has a 5% cutoff vs. 10% for other categories of relapse) appearance of any other sign of progression (e.g., new plasmacytoma, lytic bone lesion, hypercalcemia) Rel requires two consecutive assessments made at any time before classification as relapse, and/or the institution of any new therapy.