

表 6.3 疾患別移植の種類 (成人) Mode of transplants by disease (adult)  
 (集計データセット 3 から移植時年齢 16 才以上のものを抽出)  
 (samples over or equal to the age of 16 at transplant from dataset 3)

| 疾患名 disease                                   | 自家移植                | 血縁者間<br>骨髄移植 | 末梢血幹<br>細胞移植   | 非血縁者間<br>骨髄移植 | 同種<br>臍帯血    | その他    | 合計     |
|---|---------------------|--------------|----------------|---------------|--------------|--------|--------|
|   | Auto-<br>transplant | Rel-BMT      | Rel-<br>PB SCT | UR-BMT        | Allo-<br>CBT | Others |        |
| 白血病 Leukemia                                  | 1,291               | 4,817        | 3,062          | 6,372         | 2,033        | 198    | 17,773 |
| 急性骨髄性白血病 AML                                  | 893                 | 1,923        | 1,415          | 2,584         | 1,122        | 72     | 8,009  |
| M0  | 27                  | 122          | 109            | 178           | 99           | 4      | 539    |
| M1  | 134                 | 263          | 203            | 328           | 138          | 10     | 1,076  |
| M2  | 287                 | 673          | 450            | 841           | 351          | 21     | 2,623  |
| M3  | 214                 | 155          | 61             | 135           | 28           | 5      | 598    |
| M4  | 101                 | 241          | 196            | 376           | 153          | 9      | 1,076  |
| M5  | 75                  | 174          | 134            | 261           | 72           | 6      | 722    |
| M6  | 11                  | 77           | 51             | 117           | 65           | 1      | 322    |
| M7  | 5                   | 20           | 13             | 29            | 13           | 1      | 81     |
| AML:その他                                       | 39                  | 198          | 198            | 317           | 134          | 15     | 901    |
| AML:FAB 分類不明・未記入                              | 0                   | 0            | 0              | 1             | 7            | 0      | 8      |
| Overt leukemia                                | 0                   | 0            | 0              | 1             | 55           | 0      | 56     |
| 急性混合型白血病 AMLL                                 | 0                   | 0            | 0              | 0             | 7            | 0      | 7      |
| 急性未分化型白血病 AUL                                 | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| 急性リンパ性白血病 ALL                                 | 321                 | 1,172        | 619            | 1,526         | 390          | 48     | 4,076  |
| L1  | 78                  | 231          | 109            | 141           | 61           | 7      | 627    |
| L2  | 188                 | 824          | 438            | 425           | 265          | 30     | 2,170  |
| L3  | 12                  | 26           | 12             | 3             | 9            | 3      | 65     |
| ALL:その他                                       | 43                  | 91           | 60             | 956           | 41           | 8      | 1,199  |
| ALL:乳児白血病                                     | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| ALL:FAB 分類不明・未記入                              | 0                   | 0            | 0              | 1             | 14           | 0      | 15     |
| 慢性骨髄性白血病 CML                                  | 28                  | 1,022        | 324            | 1,116         | 111          | 36     | 2,637  |
| 骨髄異形成症候群 MDS                                  | 19                  | 561          | 439            | 828           | 279          | 30     | 2,156  |
| RA  | 1                   | 199          | 129            | 248           | 53           | 9      | 639    |
| RARS  | 0                   | 5            | 6              | 16            | 1            | 0      | 28     |
| RAEB  | 4                   | 180          | 168            | 262           | 120          | 16     | 750    |
| RAEBt   | 11                  | 108          | 76             | 136           | 54           | 2      | 387    |
| CMMoL   | 2                   | 45           | 37             | 40            | 20           | 2      | 146    |
| JMML  | 0                   | 3            | 0              | 0             | 1            | 0      | 4      |
| MDS:その他                                       | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| MDS:不明・未記入                                    | 1                   | 21           | 23             | 126           | 30           | 1      | 202    |
| その他の白血病 Other leukemias                       | 30                  | 139          | 265            | 318           | 131          | 12     | 895    |
| 成人 T 細胞性 ATL                                  | 19                  | 103          | 218            | 257           | 106          | 5      | 708    |
| その他の白血病                                       | 11                  | 36           | 47             | 61            | 25           | 7      | 187    |
| 白血病:分類不能・未記入                                  | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| 骨髄増殖性疾患                                       | 1                   | 31           | 35             | 39            | 16           | 1      | 123    |
| 悪性リンパ腫 Malignant lymphoma*                    |                     |              |                |               |              |        |        |
| (一元管理プログラムでの登録症例を除く)                          | 0                   | 0            | 0              | 0             | 75           | 0      | 75     |
| 非ホジキンリンパ腫 Non-Hodgkin lymphoma                | 0                   | 0            | 0              | 0             | 72           | 0      | 72     |
| Small cell lymphocytic                        | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| Follicular,small cleaved cell                 | 0                   | 0            | 0              | 0             | 4            | 0      | 4      |
| Follicular,mixed,small cleaved and large cell | 0                   | 0            | 0              | 0             | 7            | 0      | 7      |
| Follicular,large                              | 0                   | 0            | 0              | 0             | 1            | 0      | 1      |
| Diffuse,small cleaved cell                    | 0                   | 0            | 0              | 0             | 1            | 0      | 1      |
| Diffuse,mixed,small and large cell            | 0                   | 0            | 0              | 0             | 1            | 0      | 1      |
| Diffuse,large cell                            | 0                   | 0            | 0              | 0             | 15           | 0      | 15     |
| Large,immunoblastic                           | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| Lymphoblastic                                 | 0                   | 0            | 0              | 0             | 4            | 0      | 4      |
| Small noncleaved,unclassified                 | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| Small noncleaved,Burkitt                      | 0                   | 0            | 0              | 0             | 3            | 0      | 3      |
| Small noncleaved,non-Burkitt                  | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| Mycosis fungoides                             | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| Histiocytic                                   | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| Mantle zone/intermediate differentiation      | 0                   | 0            | 0              | 0             | 4            | 0      | 4      |
| Composite                                     | 0                   | 0            | 0              | 0             | 0            | 0      | 0      |
| Large cell anaplastic, Ki-1 positive          | 0                   | 0            | 0              | 0             | 1            | 0      | 1      |
| Other NHL                                     | 0                   | 0            | 0              | 0             | 22           | 0      | 22     |

| 疾患名 disease  | 自家移植            | 血縁者間    |            | 非血縁者間  | 同種       | その他    | 合計    |
|--|-----------------|---------|------------|--------|----------|--------|-------|
|  |                 | 骨髓移植    | 末梢血幹細胞移植   | 骨髓移植   | 臍帯血      |        |       |
|  | Auto-transplant | Rel-BMT | Rel-PB SCT | UR-BMT | Allo-CBT | Others |       |
| 組織型未記入 Histology unknown                                 | 0               | 0       | 0          | 0      | 9        | 0      | 9     |
| ホジキンリンパ腫 Hodgkin's disease                               | 0               | 0       | 0          | 0      | 1        | 0      | 1     |
| 悪性リンパ腫:型未記入 Type unknown                                 | 0               | 0       | 0          | 0      | 2        | 0      | 2     |
| <b>悪性リンパ腫 Malignant lymphoma*</b><br>(一元管理プログラムでの登録症例のみ) | 6,991           | 426     | 670        | 591    | 212      | 57     | 8,947 |
| Non-Hodgkin's lymphoma                                   | 6,138           | 392     | 611        | 545    | 172      | 49     | 7,907 |
| Precursor B-cell neoplasm                                | 113             | 9       | 12         | 15     | 3        | 0      | 152   |
| Precursor T cell neoplasm                                | 56              | 17      | 29         | 48     | 21       | 3      | 174   |
| NK-cell neoplasms  | 21              | 2       | 1          | 15     | 2        | 0      | 41    |
| Precursor NK cell ALL                                    | 1               | 0       | 0          | 0      | 0        | 0      | 1     |
| Blastic NK cell lymphoma                                 | 20              | 2       | 1          | 10     | 2        | 0      | 35    |
| Unknown  | 0               | 0       | 0          | 5      | 0        | 0      | 5     |
| Mature B cell neoplasm                                   | 2,327           | 67      | 156        | 211    | 77       | 6      | 2,844 |
| Indolent   | 589             | 40      | 92         | 172    | 35       | 0      | 928   |
| Chronic lymphocytic leukemia                             |                 |         |            |        |          |        |       |
| /Small lymphocytic lymphoma                              | 7               | 2       | 4          | 3      | 0        | 0      | 16    |
| Lymphoplasmacytic lymphoma                               | 12              | 1       | 2          | 2      | 1        | 0      | 18    |
| Splenic marginal zone lymphoma                           | 4               | 0       | 2          | 0      | 0        | 0      | 6     |
| Hairy cell leukemia                                      | 0               | 0       | 1          | 0      | 0        | 0      | 1     |
| MALT lymphoma  | 9               | 0       | 0          | 0      | 0        | 0      | 9     |
| Nodal marginal zone B-cell lymphoma                      | 12              | 0       | 0          | 2      | 0        | 0      | 14    |
| Follicular lymphoma                                      | 400             | 33      | 69         | 153    | 30       | 0      | 685   |
| Mantle cell lymphoma                                     | 145             | 4       | 14         | 12     | 4        | 0      | 179   |
| Aggressive   | 1,726           | 26      | 64         | 39     | 42       | 6      | 1,903 |
| B-cell prolymphocytic leukemia                           | 11              | 0       | 0          | 1      | 1        | 0      | 13    |
| Diffuse large B-cell lymphoma                            | 1,542           | 17      | 48         | 26     | 35       | 6      | 1,674 |
| Mediastinal (thymic) large B-cell lymphoma               | 78              | 4       | 1          | 2      | 0        | 0      | 85    |
| Intravascular large B-cell lymphoma                      | 61              | 0       | 3          | 2      | 2        | 0      | 68    |
| Primary effusion lymphoma                                | 1               | 0       | 0          | 0      | 0        | 0      | 1     |
| High-grade B-cell lymphoma,<br>Burkitt-like(暫定的な分類)      | 0               | 0       | 1          | 0      | 0        | 0      | 1     |
| Burkitt lymphoma/leukemia                                | 24              | 4       | 10         | 8      | 4        | 0      | 50    |
| Lymphomatoid granulomatosis                              | 0               | 0       | 1          | 0      | 0        | 0      | 1     |
| Primary CNS lymphoma                                     | 9               | 1       | 0          | 0      | 0        | 0      | 10    |
| Unknown  | 12              | 1       | 0          | 0      | 0        | 0      | 13    |
| Mature T cell/NK cell neoplasm                           | 417             | 31      | 70         | 64     | 60       | 1      | 643   |
| T-cell prolymphocytic leukemia                           | 2               | 0       | 1          | 7      | 1        | 0      | 11    |
| T-cell LGL leukemia                                      | 1               | 0       | 0          | 0      | 1        | 0      | 2     |
| Aggressive NK cell leukemia                              | 0               | 5       | 6          | 1      | 1        | 0      | 13    |
| Extranodal NK/T cell lymphoma,<br>nasal type             | 64              | 8       | 18         | 9      | 21       | 0      | 120   |
| Enteropathy-type T-cell lymphoma                         | 9               | 0       | 3          | 0      | 2        | 0      | 14    |
| Hepatosplenic T-cell lymphoma                            | 4               | 1       | 4          | 0      | 2        | 0      | 11    |
| Subcutaneous panniculitis-like<br>T-cell lymphoma        | 15              | 0       | 1          | 2      | 1        | 0      | 19    |
| Mycosis fungoides  | 2               | 1       | 2          | 2      | 2        | 0      | 9     |
| Sezary syndrome  | 0               | 1       | 2          | 4      | 1        | 0      | 8     |
| Primary cutaneous anaplastic<br>large cell lymphoma      | 5               | 0       | 0          | 0      | 0        | 0      | 5     |
| Lymphomatoid papulosis                                   | 0               | 0       | 0          | 0      | 0        | 0      | 0     |
| Borderline lesion  | 1               | 0       | 0          | 0      | 0        | 0      | 1     |
| Angioimmunoblastic T-cell lymphoma                       | 89              | 3       | 6          | 2      | 6        | 0      | 106   |
| Peripheral T-cell lymphoma,<br>unspecified               | 133             | 9       | 23         | 24     | 18       | 0      | 207   |
| Anaplastic large cell lymphoma                           | 86              | 2       | 3          | 4      | 4        | 1      | 100   |
| Unknown  | 6               | 1       | 1          | 9      | 0        | 0      | 17    |
| Others   | 40              | 11      | 13         | 6      | 4        | 1      | 75    |
| Unclassified   | 24              | 2       | 0          | 0      | 1        | 0      | 27    |
| Unknown  | 3,140           | 253     | 330        | 186    | 4        | 38     | 3,951 |
| Hodgkin's lymphoma                                       | 565             | 12      | 19         | 8      | 4        | 2      | 610   |
| Nodular lymphocyte predominance<br>Hodgkin's lymphoma    | 39              | 0       | 1          | 0      | 1        | 0      | 41    |

| 疾患名 disease                                  | 自家移植            | 血縁者間    |            | 非血縁者間  | 同種       | その他    | 合計    |
|--|-----------------|---------|------------|--------|----------|--------|-------|
|  |                 | 骨髓移植    | 末梢血幹細胞移植   | 骨髓移植   | 臍帯血      |        |       |
|  | Auto-transplant | Rel-BMT | Rel-PB SCT | UR-BMT | Allo-CBT | Others |       |
| Classical Hodgkin's lymphoma                 | 185             | 0       | 11         | 3      | 3        | 0      | 202   |
| Nodular sclerosis Hodgkin's lymphoma         | 92              | 0       | 5          | 3      | 1        | 0      | 101   |
| Lymphocyte-rich classical Hodgkin's lymphoma | 16              | 0       | 3          | 0      | 0        | 0      | 19    |
| Mixed cellularity Hodgkin's lymphoma         | 6               | 0       | 1          | 0      | 0        | 0      | 7     |
| Lymphocyte depletion Hodgkin's lymphoma      | 69              | 0       | 2          | 0      | 2        | 0      | 73    |
| Unknown                                      | 2               | 0       | 0          | 0      | 0        | 0      | 2     |
| Others                                       | 10              | 0       | 0          | 0      | 0        | 0      | 10    |
| Unclassified                                 | 4               | 1       | 1          | 1      | 0        | 0      | 7     |
| Unknown                                      | 327             | 11      | 6          | 4      | 0        | 2      | 350   |
| Other lymphoma                               | 15              | 5       | 11         | 22     | 11       | 0      | 64    |
| Type unknown                                 | 273             | 17      | 29         | 16     | 25       | 6      | 366   |
| <b>形質細胞性腫瘍 Plasma cell dyscrasia</b>         | 2,685           | 65      | 98         | 39     | 14       | 7      | 2,908 |
| 多発性骨髄腫 Multiple myeloma                      | 2,433           | 65      | 87         | 36     | 13       | 6      | 2,640 |
| 形質細胞腫 Plasmacytoma                           | 14              | 0       | 0          | 0      | 0        | 1      | 15    |
| アミロイドーシス Amyloidosis                         | 83              | 0       | 3          | 0      | 0        | 0      | 86    |
| マクログロブリン血症 Macroglobulinemia                 | 0               | 0       | 0          | 0      | 0        | 0      | 0     |
| 形質細胞性白血病 Plasma Cell Leukemia                | 17              | 0       | 3          | 3      | 1        | 0      | 24    |
| 重鎖病 Heavy chain diseases                     | 1               | 0       | 0          | 0      | 0        | 0      | 1     |
| POEMS 症候群                                    | 51              | 0       | 0          | 0      | 0        | 0      | 51    |
| その他の形質細胞性腫瘍 Others                           | 86              | 0       | 5          | 0      | 0        | 0      | 91    |
| <b>固形腫瘍 Solid tumors</b>                     | 1,417           | 15      | 108        | 5      | 5        | 13     | 1,563 |
| 乳癌 Breast cancer                             | 426             | 0       | 3          | 0      | 0        | 0      | 429   |
| 卵巣癌 Ovarian cancer                           | 157             | 0       | 0          | 0      | 0        | 0      | 157   |
| 横紋筋肉腫 Rhabdomyosarcoma                       | 67              | 3       | 3          | 0      | 1        | 0      | 74    |
| 胚細胞腫瘍 Germ cell tumor                        | 353             | 1       | 1          | 0      | 0        | 1      | 356   |
| 肺癌 Lung cancer                               | 117             | 1       | 3          | 0      | 1        | 1      | 123   |
| ユーイング肉腫 Ewing's sarcoma                      | 64              | 0       | 5          | 0      | 0        | 0      | 69    |
| 神経芽腫 Neuroblastoma                           | 19              | 2       | 1          | 0      | 1        | 1      | 24    |
| 中枢神経腫瘍 CNS tumors                            | 31              | 0       | 2          | 0      | 0        | 0      | 33    |
| 腎臓癌 Renal cancer                             | 8               | 2       | 32         | 1      | 1        | 5      | 49    |
| その他の悪性腫瘍 Other malignant tumors              | 175             | 6       | 58         | 4      | 1        | 5      | 249   |
| <b>再生不良性貧血 Aplastic anemia</b>               | 0               | 453     | 90         | 284    | 31       | 9      | 867   |
| <b>赤芽球癆 PRCA</b>                             | 1               | 2       | 0          | 2      | 0        | 0      | 5     |
| <b>発作性夜間ヘモグロビン尿症 PNH</b>                     | 0               | 12      | 7          | 5      | 0        | 0      | 24    |
| <b>その他 Other diseases</b>                    | 50              | 53      | 42         | 58     | 21       | 0      | 224   |
| 免疫不全症  | 0               | 18      | 2          | 11     | 1        | 0      | 32    |
| 先天性代謝異常                                      | 1               | 3       | 0          | 7      | 1        | 0      | 12    |
| 慢性活動性 EBV 感染症                                | 2               | 11      | 19         | 19     | 8        | 0      | 59    |
| 血球貪食症候群 HPS                                  | 6               | 2       | 9          | 1      | 5        | 0      | 23    |
| 自己免疫疾患                                       | 32              | 1       | 3          | 0      | 0        | 0      | 36    |
| 先天性造血障害                                      | 0               | 11      | 2          | 3      | 1        | 0      | 17    |
| その他の少数報告例                                    | 9               | 7       | 7          | 17     | 5        | 0      | 45    |
| <b>診断名不明</b>                                 | 0               | 0       | 0          | 14     | 0        | 0      | 14    |

「血縁者間骨髓移植」は一卵性同胞間移植を含む

"Related BMT" includes syngeneic bone marrow transplants

「その他」は「移植種類」および「ドナー」の記載項目が空欄のものも含む

"Others" include those whose "transplanted stem cells" and "donor" were left blank on the report form

\* 悪性リンパ腫は 2005 年度調査までに Working Formulation 分類で収集されたものと、2006 年度以降調査の WHO 分類で収集されたものを別々に表示してある。

また、Working Formulation 分類で収集された大半のデータをデータ一元化に伴い WHO 分類に統一した。その際に変換不可能だったデータは Unknown となっている。

\* Data of malignant lymphoma include those collected until 2005 with the Working Formulation classification and those collected in 2006 or after with the WHO classification.

Several data collected until 2005 were converted to the WHO classification as a part of data unification.

Those which would not be converted are included to "Unknown" category.