

**Table 1. 2016 WHO classification of mature lymphoid, histiocytic, and dendritic neoplasms**

|                                                                                                          |
|----------------------------------------------------------------------------------------------------------|
| <b>Mature B-cell neoplasms</b>                                                                           |
| Chronic lymphocytic leukemia/small lymphocytic lymphoma                                                  |
| Monoclonal B-cell lymphocytosis*                                                                         |
| B-cell prolymphocytic leukemia                                                                           |
| Splenic marginal zone lymphoma                                                                           |
| Hairy cell leukemia                                                                                      |
| <i>Splenic B-cell lymphoma/leukemia, unclassifiable</i>                                                  |
| <i>Splenic diffuse red pulp small B-cell lymphoma</i>                                                    |
| <i>Hairy cell leukemia-variant</i>                                                                       |
| Lymphoplasmacytic lymphoma                                                                               |
| Waldenström macroglobulinemia                                                                            |
| Monoclonal gammopathy of undetermined significance (MGUS), IgM*                                          |
| μ heavy-chain disease                                                                                    |
| γ heavy-chain disease                                                                                    |
| α heavy-chain disease                                                                                    |
| Monoclonal gammopathy of undetermined significance (MGUS), IgG/A*                                        |
| Plasma cell myeloma                                                                                      |
| Solitary plasmacytoma of bone                                                                            |
| Extrasosseous plasmacytoma                                                                               |
| Monoclonal immunoglobulin deposition diseases*                                                           |
| Extranodal marginal zone lymphoma of mucosa-associated lymphoid tissue (MALT lymphoma)                   |
| Nodal marginal zone lymphoma                                                                             |
| <i>Pediatric nodal marginal zone lymphoma</i>                                                            |
| Follicular lymphoma                                                                                      |
| In situ follicular neoplasia*                                                                            |
| Duodenal-type follicular lymphoma*                                                                       |
| Pediatric-type follicular lymphoma*                                                                      |
| <i>Large B-cell lymphoma with IRF4 rearrangement*</i>                                                    |
| Primary cutaneous follicle center lymphoma                                                               |
| Mantle cell lymphoma                                                                                     |
| In situ mantle cell neoplasia*                                                                           |
| Diffuse large B-cell lymphoma (DLBCL), NOS                                                               |
| Germinal center B-cell type*                                                                             |
| Activated B-cell type*                                                                                   |
| T-cell/histiocyte-rich large B-cell lymphoma                                                             |
| Primary DLBCL of the central nervous system (CNS)                                                        |
| Primary cutaneous DLBCL, leg type                                                                        |
| EBV <sup>+</sup> DLBCL, NOS*                                                                             |
| <i>EBV<sup>+</sup> mucocutaneous ulcer*</i>                                                              |
| DLBCL associated with chronic inflammation                                                               |
| Lymphomatoid granulomatosis                                                                              |
| Primary mediastinal (thymic) large B-cell lymphoma                                                       |
| Intravascular large B-cell lymphoma                                                                      |
| ALK <sup>+</sup> large B-cell lymphoma                                                                   |
| Plasmablastic lymphoma                                                                                   |
| Primary effusion lymphoma                                                                                |
| <i>HHV8<sup>+</sup> DLBCL, NOS*</i>                                                                      |
| Burkitt lymphoma                                                                                         |
| <i>Burkitt-like lymphoma with 11q aberration*</i>                                                        |
| High-grade B-cell lymphoma, with <i>MYC</i> and <i>BCL2</i> and/or <i>BCL6</i> rearrangements*           |
| High-grade B-cell lymphoma, NOS*                                                                         |
| B-cell lymphoma, unclassifiable, with features intermediate between DLBCL and classical Hodgkin lymphoma |
| <b>Mature T and NK neoplasms</b>                                                                         |
| T-cell prolymphocytic leukemia                                                                           |
| T-cell large granular lymphocytic leukemia                                                               |
| <i>Chronic lymphoproliferative disorder of NK cells</i>                                                  |
| Aggressive NK-cell leukemia                                                                              |
| Systemic EBV <sup>+</sup> T-cell lymphoma of childhood*                                                  |
| Hydroa vacciniforme-like lymphoproliferative disorder*                                                   |
| Adult T-cell leukemia/lymphoma                                                                           |
| Extranodal NK-/T-cell lymphoma, nasal type                                                               |
| Enteropathy-associated T-cell lymphoma                                                                   |

**Table 1. (continued)**

|                                                                                              |
|----------------------------------------------------------------------------------------------|
| Monomorphic epitheliotropic intestinal T-cell lymphoma*                                      |
| <i>Indolent T-cell lymphoproliferative disorder of the GI tract*</i>                         |
| Hepatosplenic T-cell lymphoma                                                                |
| Subcutaneous panniculitis-like T-cell lymphoma                                               |
| Mycosis fungoides                                                                            |
| Sézary syndrome                                                                              |
| Primary cutaneous CD30 <sup>+</sup> T-cell lymphoproliferative disorders                     |
| Lymphomatoid papulosis                                                                       |
| Primary cutaneous anaplastic large cell lymphoma                                             |
| Primary cutaneous γδ T-cell lymphoma                                                         |
| <i>Primary cutaneous CD8<sup>+</sup> aggressive epidermotropic cytotoxic T-cell lymphoma</i> |
| <i>Primary cutaneous acral CD8<sup>+</sup> T-cell lymphoma*</i>                              |
| <i>Primary cutaneous CD4<sup>+</sup> small/medium T-cell lymphoproliferative disorder*</i>   |
| Peripheral T-cell lymphoma, NOS                                                              |
| Angioimmunoblastic T-cell lymphoma                                                           |
| <i>Follicular T-cell lymphoma*</i>                                                           |
| <i>Nodal peripheral T-cell lymphoma with TFH phenotype*</i>                                  |
| Anaplastic large-cell lymphoma, ALK <sup>+</sup>                                             |
| Anaplastic large-cell lymphoma, ALK <sup>-</sup> *                                           |
| <i>Breast implant-associated anaplastic large-cell lymphoma*</i>                             |
| <b>Hodgkin lymphoma</b>                                                                      |
| Nodular lymphocyte predominant Hodgkin lymphoma                                              |
| Classical Hodgkin lymphoma                                                                   |
| Nodular sclerosis classical Hodgkin lymphoma                                                 |
| Lymphocyte-rich classical Hodgkin lymphoma                                                   |
| Mixed cellularity classical Hodgkin lymphoma                                                 |
| Lymphocyte-depleted classical Hodgkin lymphoma                                               |
| <b>Posttransplant lymphoproliferative disorders (PTLD)</b>                                   |
| Plasmacytic hyperplasia PTLD                                                                 |
| Infectious mononucleosis PTLD                                                                |
| Florid follicular hyperplasia PTLD*                                                          |
| Polymorphic PTLD                                                                             |
| Monomorphic PTLD (B- and T-/NK-cell types)                                                   |
| Classical Hodgkin lymphoma PTLD                                                              |
| <b>Histiocytic and dendritic cell neoplasms</b>                                              |
| Histiocytic sarcoma                                                                          |
| Langerhans cell histiocytosis                                                                |
| Langerhans cell sarcoma                                                                      |
| Indeterminate dendritic cell tumor                                                           |
| Interdigitating dendritic cell sarcoma                                                       |
| Follicular dendritic cell sarcoma                                                            |
| Fibroblastic reticular cell tumor                                                            |
| Disseminated juvenile xanthogranuloma                                                        |
| Erdheim-Chester disease*                                                                     |

Provisional entities are listed in italics.

\*Changes from the 2008 classification.

Swerdlow, et al., The 2016 revision of the World Health Organization classification of lymphoid neoplasms. *Blood*. 2016 May 19;127(20):2375-90.

**Plaintiff Exhibit**  
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