Histopathology 1983, 7, 549-559

Concordance of the Kiel and Lukes-Collins Polar Lukes classifications of non-Hodgkin's lymphomas



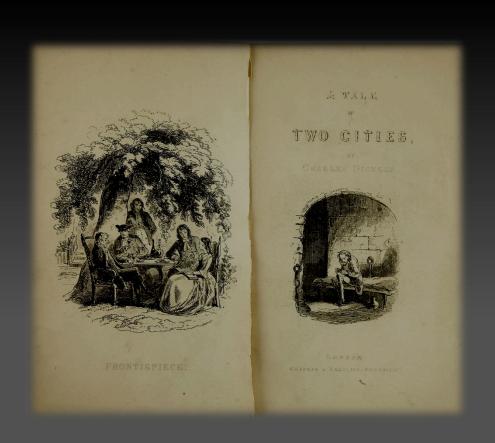
K. Lennert

Obituary - Professor Dr. Robert J. Lukes

Ann Hematol (1995) 71:103-

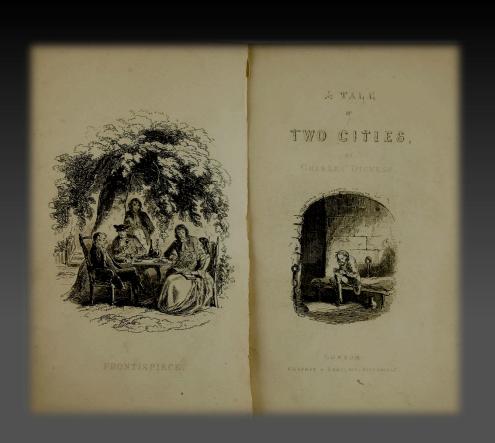
From 1972 on, Dr. Lukes and his colleague Dr. Robert Collins shared a basic idea with the Kiel group, namely that of deriving malignant lymphomas from the immunologically defined types of lymphocytes. Thus the so-called Lukes-Collins classification and the Kiel classification evolved simultaneously, the latter introduced by the European Lymphoma Club.

The 1970's were very exciting but tumultuous times – not everyone was on the same page!



"It was the best of times, it was the worst of times, it was the age of wisdom, it was the age of foolishness...."

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CLASSIFICATION OF NON-HODGKIN'S LYMPHOMAS

SIR,—The announcement in *The Lancet* (Aug. 17, pp. 405–408) of two more classifications of non-Hodgkin's lymphomas encourages me to put forward my classification of these classifications:

Well-defined, high-grade, oligosyllabic

Poorly differentiated, polysyllabic circumlocutory with dyslexogenesis

Unicentric derivative neologistic

Multicentric, cycnophilic (Gk. KUKVos = swan)

Cleaved and convoluted types Rappaport (non-Lukes)
Lukes (non-Rappaport)

This system makes no claim to be comprehensive or even comprehensible, so there may well be scope for other classifications of classifications and ultimately, one hopes, a classification of classifications of classifications. At that point we shall need a conference in the Caribbean.

Royal Marsden Hospital, Fulham Road, London SW3 6JJ.

H. E. M. KAY.

Lancet 1974 7;2(7880): 586

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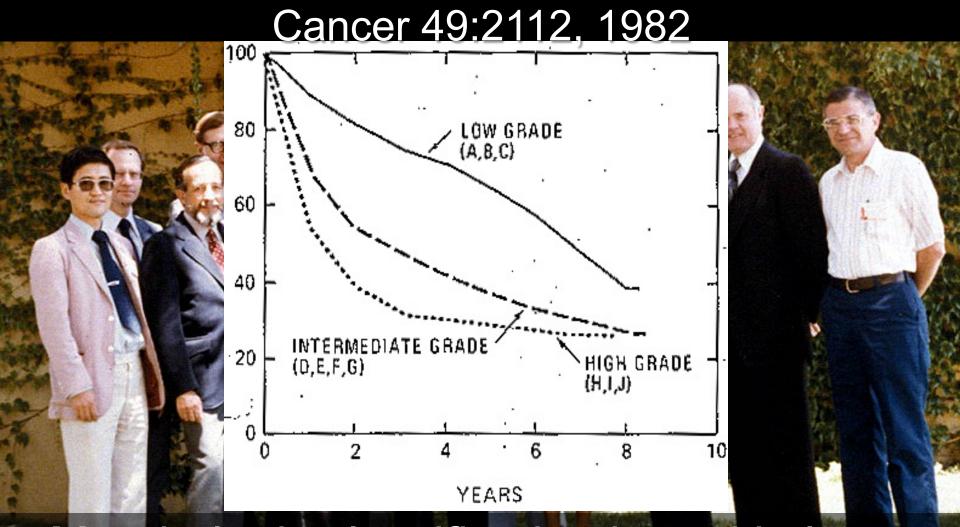
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NCI Working Formulation

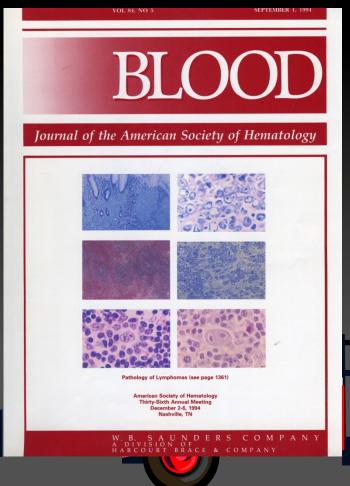


Morphologic classification based in large part on survival data from the late 1970s.

Some felt the Working Formulation was dead on arrival while others rallied behind it, but with growing perceptions of a continental divide, other classifications aging, and the need for an up-to-date biologically meaningful & clinically useful classification.



Enter the International Lymphoma Study Group (ILSG)



PERSPECTIVE

A Revised European-American Classification of Lymphoid Neoplasms: A Proposal From the International Lymphoma Study Group

By Nancy Lee Harris, Elaine S. Jaffe, Harald Stein, Peter M. Banks, John K.C. Chan, Michael L. Cleary, Georges Delsol, Christine De Wolf-Peeters, Brunangelo Falini, Kevin C. Gatter, Thomas M. Grogan. Peter G. Isaacson, Daniel M. Knowles, David Y. Mason, Hans-Konrad Muller-Hermelink, Stefano A. Pileri, Miguel A. Piris, Elisabeth Ralfkiaer, and Roger A. Warnke

THE HISTOLOGIC categorization of lymphoma has been a source of frustration for many years for both clinicians and pathologists. In the last 10 years, much new information has become available about the lymphomas, resulting in recognition of new entities and refinement

viously recognized disease categ of whether it is time for a new ly this paper we report the result of a lymphomas, which we hope may clarify sion surrounding this topic

This review was conducted at a me thologists with particular interest and exper mas (the International Lymphoma Study Group) in Berlin, Germany, in April 1993. At previous meetings in Europe and the United States, we had come to believe that, despite the variety of classification schemes used, many hematopathologists appeared to agree on a rather large number of distinct lymphoma entities that they recognize and diag in daily practice. We believed that we could pr service to both pathologists and clinicians strug

consensus regarding the categories of lymphoid that can be reliably recognized at present. What emerged from this meeting was, first, that each of that were essentially identical. Surprisingly, there was little

the classification of lymphomas by attempting to

divergence between European and US participants. Second, it was evident that, while many of these lymphoma entities

ies. Furthermore, there are difficulties in defining the full extent of the neoplastic clone in individual cases of lymphoma, and some well-defined lymphoma types lack obvious normal counterparts. Consequently, although differentiation schemes provide useful conceptual frameworks for understanding lymphomas and suggest important new lines of research, our current understanding of both the immune system and the lymphomas appears to be inadequate to support a biologically "correct" lymphoma classification. Thus classification strictly based on a theoretical relationship of iges of differentiation is both unrealistic

tion at this time is simply to define the available morphologic, immunologic, and genetic techniques.10 Thus, a lymphoma classification becomes simply a list of well-defined, "real" disease entities. Many of these entities are associated with distinctive clinical presentations and natural histories, even though treatment options may be limited. Cases that do not fit into one of these defined entities. are best left unclassified, reflecting the fact that we do not understand everything about lymphomas or the immune

summarize the entities agreed on at the major defining histologic, immunologic, ures, their clinical presentations and course. and postulated normal counterpart in the immune system. It us had independently evolved ways of viewing these diseases is obviously impossible in this space to cover all diseases completely, and more detailed descriptions of most of these entities are available in the literature. Thus, we have focused

The parameters to recognize read to a small, totals, span for the parameters of the

of Pathology, Warren 2, Massachusetts General Hospital, Boston,

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Blood, Vol 84, No 5 (September 1), 1994; pp 1361-1392

Table 1. List of Lymphoid Neoplasms Recognized by the International Lymphoma Study Group

B-Cell Neoplasms

- I. Precursor B-cell neoplasm: Precursor B-lymphoblastic leukemia/ lymphoma
- II. Peripheral B-cell neoplasms
 - 1. B-cell chronic lymphocytic leukemia/prolymphocytic leukemia/small lymphocytic lymphoma
 - 2. Lymphoplasmacytoid lymphoma/immunocytoma
 - 3. Mantle cell lymphoma
 - 4. Follicle center lymphoma, follicular
 - Provisional cytologic grades: I (small cell), II (mixed small and large cell), III (large cell)
 - Provisional subtype: diffuse, predominantly small cell type
 - 5. Marginal zone B-cell lymphoma
 - Extranodal (MALT-type +/- monocytoid B cells) Provisional subtype: Nodal (+/- monocytoid B cells)
 - 6. Provisional entity: Splenic marginal zone lymphoma (+/villous lymphocytes)
 - 7. Hairy cell leukemia
 - 8. Plasmacytoma/plasma cell myeloma
 - 9. Diffuse Large B-cell lymphoma*
 - Subtype: Primary mediastinal (thymic) B-cell lymphoma
 - 10. Burkitt's lymphoma
 - 11. Provisional entity: High-grade B-cell lymphoma, Burkitt-like*

T-Cell and Putative NK-Cell Neoplasms

- I. Precursor T-cell neoplasm: Precursor T-lymphoblastic lymphoma/leukemia
- II. Peripheral T-cell and NK-cell neoplasms
 - 1. T-cell chronic lymphocytic leukemia/prolymphocytic
 - 2. Large granular lymphocyte leukemia (LGL) T-cell type
 - NK-cell type
 - 3. Mycosis fungoides/Sezary syndrome
 - 4. Peripheral T-cell lymphomas, unspecified*
 - Provisional cytologic categories: medium-sized cell, mixed medium and large cell, large cell, lymphoepithelioid cell
 - Provisional subtype: Hepatosplenic γδ T-cell lymphoma Provisional subtype: Subcutaneous panniculitic T-cell

 - 5. Angioimmunoblastic T-cell lymphoma (AILD)
 - 6. Angiocentric lymphoma
 - 7. Intestinal T-cell lymphoma (+/- enteropathy associated)
 - 8. Adult T-cell lymphoma/leukemia (ATL/L)
 - 9. Anaplastic large cell lymphoma (ALCL), CD30+, T- and null-
 - 10. Provisional entity: Anaplastic large-cell lymphoma, Hodgkin's-like

Hodgkin's Disease

- Lymphocyte predominance
- II. Nodular sclerosis
- III. Mixed cellularity
- IV. Lymphocyte depletion
- VI. Provisional entity: Lymphocyte-rich classical HD
- * These categories are thought likely to include more than one disease entity.

