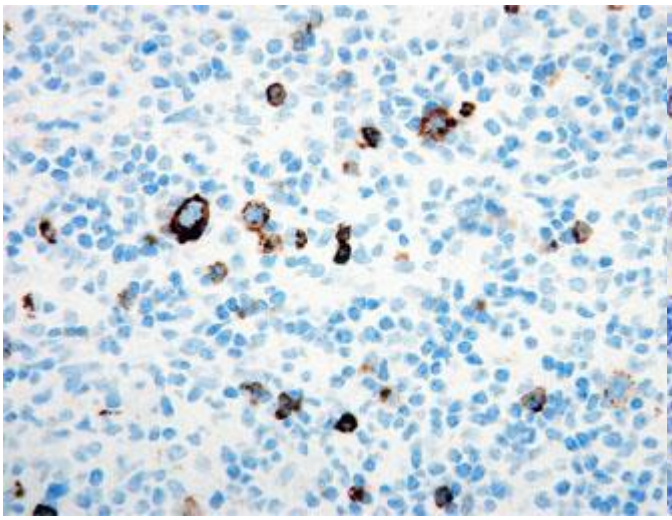
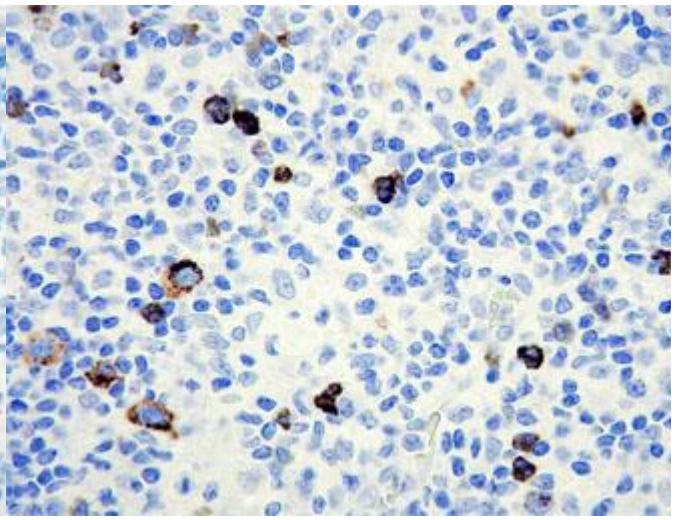
Assessment Run 3 2000

CD15

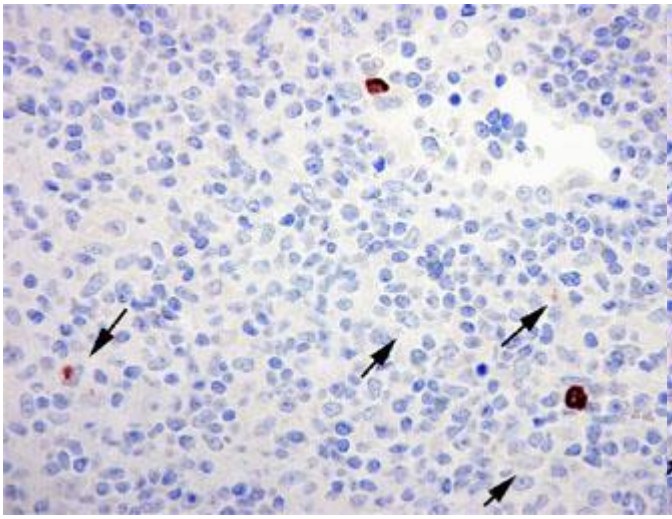
Nine laboratories participated. In one Hodgkin's lymphoma, 4 labs. got a good result, with an intense staining of Hodgkin's cells, 3 an acceptable result, and 2 a poor result. However, in another Hodgkin's lymphoma, only 3 labs. got a good result, while the others a poor result. A relatively high concentration of antibody and an alkaline buffer for heat induced epitope retrieval seem to be of major importance for a good result. Other factors in question are the incubation temperature, visualization kit and chromogen. The staining results with two good and two poor protocols are illustrated below, and clues to the differences in protocols are indicated.



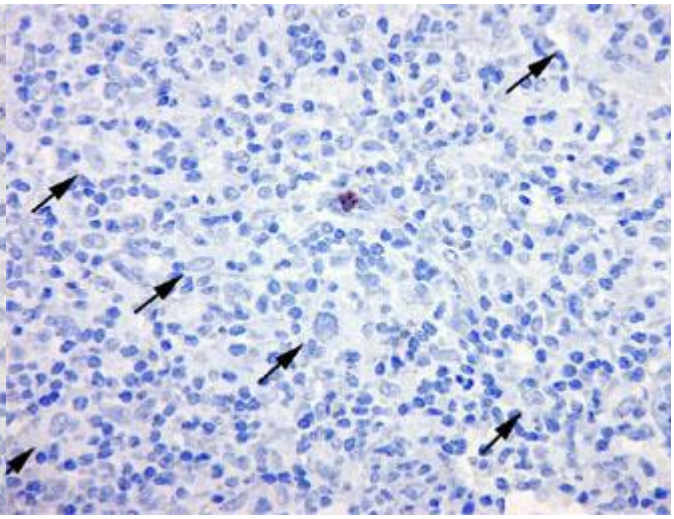
Lab. a
CD15 staining of a case of Hodgkin's lymphoma (MC) using from a good protocol. The Hodgkin's cells as well as the neutrophils are strongly stained



Lab. b
CD15 staining of another case of Hodgkin's lymphoma (MC) from a good protocol showing the same staining results as in Lab. A.



Lab. c
CD15 staining from a poor protocol. Arrows indicate Hodgkin's cells with a faint Golgi-staining or unstained. Neutrophilic granulocytes are strongly stained giving a false impression of a good staining.



Lab. d
CD15 staining from another poor protocol. Arrows indicate the virtually unstained Hodgkin's cells.

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