

Journées Libanaises de Pathologie

Histoseminar : Update on Non Hodgkin Lymphoma

WHO classification 2008

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WHO Classification 2008

- Collaborative project of the EAHP and SH
- Clinical Advisory Committees
- Important to be used for all pathology reports
 - Clinical data
 - Morphology
 - Phenotype
 - Genotype
 - Normal counterpart postulated
- Borderline Categories between well identified entities

New entities in the WHO 2008 for lymphoid tumors

- Blastic plasmacytoid dendritic cell neoplasm
 - « old blastic NK cell lymphoma ; « agranular CD4+CD56+ haematodermic neoplasm »
 - Included now in the AML and related precursor neoplasm
 - High frequency of cutaneous and bone marrow involvement
 - Tumor cells express CD4, CD56, CD43, CD123, BDCA2, Tdt in 1/3 of cases (between 10 to 80% of the cells)
 - Associated in 20% of the cases with myelomonocytic leukemia or acute myeloid leukemia.
 - NI counterpart : plasmacytoid dendritic cell : high producer of alpha -interferon

New entities in the WHO 2008 for lymphoid tumors

- *Splenic B-cell lymphoma/leukemia unclassifiable*
 - Splenic diffuse red pulp small B-cell lymphoma
 - Common villous cytology of blood lymphoid cells
 - Hairy cell leukemia variant
- Nodal marginal zone lymphoma
 - *Paediatric nodal marginal zone lymphoma*
 - *PTGC associated, differential diagnosis : reactive LN*

Italic : provisional entities

New entities in the WHO 2008 for lymphoid tumors

- Mantle cell lymphoma
 - Variants
 - Aggressive
 - Blastoid
 - Pleomorphic
 - Other
 - Small cell
 - Marginal-zone like
 - Cyclin D1 negative Mantle cell lymphoma

New entities in the WHO 2008 for lymphoid tumors

- Diffuse large B-cell lymphoma NOS
 - Common morphologic variants : Cb, Ib, Anapl
 - Molecular subgroups : GC-like; ABC-like
 - Immunohistochemical subgroups
 - CD5 positive DLBCL
 - GC B-cell like
 - n-GCB-cell like
- DLBCL subtypes
- DLBCL entities
- Borderline cases

New entities in the WHO 2008 for lymphoid tumors

- DLBCL subtypes
 - TCRBCL
 - Primary DLBCL of the CNS
 - Primary cutaneous DLBCL, leg type
 - *EBV positive DLBCL of the elderly*

New entities in the WHO 2008 for lymphoid tumors

- Other lymphoma of large B-cells : Entities
 - Primary mediastinal (thymic) large B-cell lymphoma
 - Intravascular large B-cell lymphoma
 - DLBCL associated with chronic inflammation
 - Lymphomatoid granulomatosis
 - ALK-positive LBCL
 - Plasmablastic lymphoma
 - Large B-cell lymphoma arising in HHV8-associated multicentric Castleman disease
 - Primary effusion lymphoma

New entities in the WHO 2008 for lymphoid tumors

- DLBCL Borderline cases
 - B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and Burkitt lymphoma
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New entities in the WHO 2008 for lymphoid tumors

- *Chronic lymphoproliferative disorders of NK cells*
- EBV-positive T-cell lymphoproliferative disorders of childhood
- Primary cutaneous peripheral T-cell lymphomas
 - Primary cutaneous Gamma delta T-cell lymphoma
 - *Primary cutaneous CD8+ aggressive epidermotropic cytotoxic T-cell lymphoma*
 - *Primary cutaneous CD4+ small/medium T-cell lymphoma*
- PTCL NOS
 - Follicular variant
- Anaplastic large cell lymphoma ALK+
- Anaplastic large cell lymphoma ALK-