

Cutaneous Lymphomas and Leukemias

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Immunohistochemical Profiles

Disease	Bcl-1 (cyclinD1)	Bcl-2	CD5	CD10	CD23
MCL					
FL					
CLL					
EMZL					

MCL=Mantle Cell lymphoma

FL=Follicular lymphoma

CLL-Chronic lymphocytic leukemia, B-cell

EMZL=Extranodal Marginal Zone lymphoma

Answers

Disease	Bcl-1 (cyclinD1)	Bcl-2	CD5	CD10	CD23
MCL	+		+		
FL		+		+	
CLL			+		+
EMZL					

Prognostic Significance for CLL

Histopathology	Good Prognosis	Poor Prognosis
Richter syndrome		
Germline VH genes		
Mutated VH genes		
ZAP-70 detection		

Answers

Histopathology	Good Prognosis	Poor Prognosis
Richter syndrome		+
Germline VH genes		+
Mutated VH genes	+	
ZAP-70 detection		+

Chromosomal Aberrations

Disease	Chromosomal Aberration
CLL/SLL	
Mantle cell lymphoma	
Follicular lymphoma	
MALT lymphoma (Extranodal marginal B-cell lymphoma)	

Answers

Disease	Chromosomal Aberration
CLL/SLL	Trisomy 12 (unmutated) del 13q14 (some mutated cases)
Mantle cell lymphoma	t(11;14)(q13;q32) bcl-1
Follicular lymphoma	t(14;18)(q32;q21) bcl-2
MALT lymphoma (Extranodal marginal B-cell lymphoma)	t(11;18)(q21;q21) in 25% t(1;4)(p22;q32) rare

Lymphomas commonly associated with EBV infection?

- CLL
- Hodgkin lymphoma
- Mycosis fungoides
- Intravascular Large B-cell lymphoma
- Lymphomatoid granulomatosis

May have more than one answer

Answers

- Hodgkin lymphoma
- Intravascular Large B-cell lymphoma
- Lymphomatoid granulomatosis

ILBCL is considered a variant of DLBCL, associated with EBV infection, especially in immunocompromised patients.

CD30 positive lymphoid proliferations of the skin include:

- Hodgkin's disease
- Lymphomatoid granulomatosis
- Lymphomatoid papulosis
- Anaplastic large cell lymphoma
- Diffuse large B-cell lymphoma

May have more than one answer

Answers

- Hodgkin's disease
- Lymphomatoid papulosis
- Anaplastic large cell lymphoma