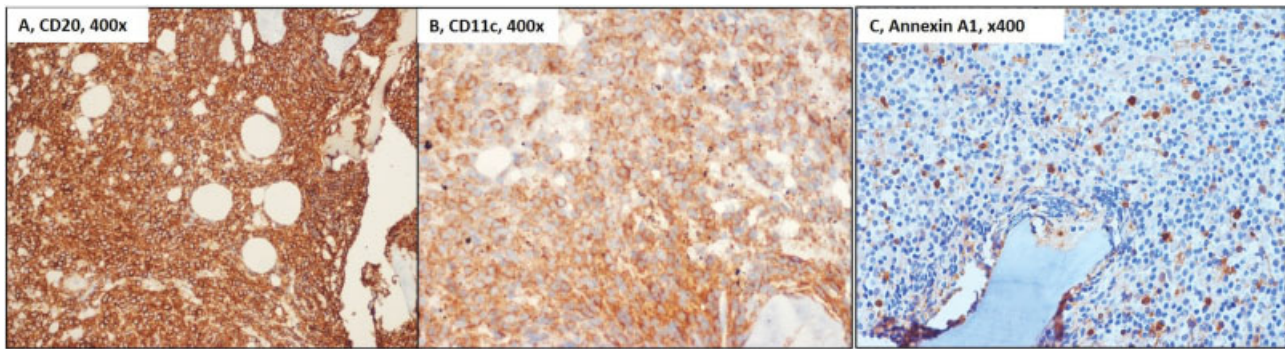




Supplementary Fig. S1 Immunohistochemical characteristics of infiltrating lymphoid cells in bone marrow trephine biopsy showing strong and diffuse immunopositivity for CD20 (A) and CD11c (B). Note the case of splenic lymphoma with villous lymphocytes with 'pseudo fried egg' appearance with Annexin A1 negativity on immunohistochemistry (C) (Peroxidase-antiperoxidase).

Supplementary Table S1 Case series of hairy cell leukemia (April 2016-August 2020) (*n* = 7)

Sr.no	Age (yrs.), gender	Splenomegaly	Peripheral blood	Bone marrow aspirate	Pattern of infiltrate in BMbx, proportion of 'fried egg'/'pseudo fried egg' areas	Immunohistochemistry	Remark
1	68, M	>10 cm	Leukocytosis, 30% hairy cells	23% atypical lymphoid cells	Interstitial, 25%	CD5 ⁺ CD23 ⁻ Cyclin D1 ⁻ CD20 ⁺ PAX5 ⁺ CD11c ⁺ CD103 ⁺ Annexin A1 ⁻	vHCL (FC)
2	45, M	Marked	Pancytopenia, lymphocyte prominence, hairy cells present	64% atypical lymphoid cells	Diffuse sheets, 40%	CD5 ⁻ CD23 ⁻ Cyclin D1 ⁻ CD25 ⁺ Annexin A1 ⁺ (strong and diffuse)	Relapsed HCL, death
3	70, M	Present	Bicytopenia (A + T), lymphoid predominance, hairy cells present	80% atypical lymphoid cells	Diffuse sheets, >50%	CD5 ⁺ (weak) Cyclin D1 ⁻ CD25 ⁺ Annexin A1 ⁺ (diffuse positivity)	HCL with aberrant CD5 expression
4	66, M	Nil	Pancytopenia, occasional hairy cells	25% atypical lymphoid cells	Diffuse sheets, >50%	CD5 ⁻ Cyclin D1 ⁻ CD20 ⁺ CD11c ⁺ CD10 ⁺ Annexin A1 ⁻ (not performed)	HCL with CD10 ⁺ (FC)
5 [#]	56, M	Marked	Pancytopenia, occasional hairy cells	Dry tap	Diffuse sheets, 25%	CD5 ⁻ Cyclin D1 ⁺ (40%, weak-intermediate intensity) CD20 ⁺ CD11c ⁺ Annexin A1 ⁺ (strong, diffuse)	Cyclin D1 ⁺ HCL
6 ^{†‡}	40, M	Marked	A + T, lymphocytosis, hairy cells present (>50% of differential)	Diluted (56% atypical lymphoid cells)	Diffuse sheets, 45%	CD5 ⁺ (weak) CD10 ⁺ (weak) CD23 ⁺ (weak) Cyclin D1 ⁻ Annexin A1 ⁺ (diffuse positive)	HCL with aberrant CD5, CD10, and CD23 expression
7 [#]	45, M	Marked	Lymphocytosis, bicytopenia, numerous hairy cells	30% atypical lymphoid cells	Diffuse sheets, >50%	CD5 ⁻ CD10 ⁻ CD23 ⁻ Cyclin D1 ⁺ (30%, intermediate intensity) CD25 ⁺ Annexin A1 ⁺ (diffuse)	Cyclin D1 ⁺ HCL

Abbreviation: #: *BRAF*V600E mutation testing performed, †: had pleural effusion, M: males, A + T: anemia and thrombocytopenia, BMbx: bone marrow trephine biopsy, +: positive expression, -: negative expression, vHCL: variant hairy cell leukemia, FC: flow cytometry.