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Supplemental Table 1: Demographic features and results of histologic and immunohistochemical stains in 34 patients with lymphoepithelial carcinoma of the thymus.

Case	Sex/Age	Histology	INSM1	Chromo	Synaptophysin	CD5	CD117	EBER	Ki-67
1	M/56	LEC, solid islands with comedonecrosis and anastomosing cords of cells	+++	-	-	Positive	Positive	-	30%
2	M/55	LEC, solid islands with comedonecrosis and cords of cells	+++	-	-	Positive	Positive	-	35%
3	M/61	LEC, solid islands and thin trabecula of tumor cells	+++	-	-	Positive	Positive	-	34%
4	M/68	LEC, solid islands with comedonecrosis and thick cords of cells	++	-	-	Positive	Positive	N/A	33%
5	M/36	LEC, solid islands and thick cords of cells	+++	-	-	Positive	Positive	N/A	38%
6	M/85	LEC, solid islands with comedonecrosis and anastomosing cords of cells	+++	-	+	Positive	Positive	N/A	25%
7	F/55	LEC, solid islands and areas with serpiginous, ribbon-like pattern of growth	++	-	-	Positive	Positive	-	32%
8	F/47	LEC, thick anastomosing cords and thin trabecula of tumor cells	+++	-	+	Positive	Positive	-	30%
9	M/67	LEC, solid islands with comedonecrosis and thick cords of tumor cells	++	-	-	Positive	Positive	-	32%
10	F/51	LEC, solid islands with comedonecrosis and focal sheets of tumor cells	+	-	+	Positive	Positive	-	28%
11	M/67	LEC, solid islands and cords with	+++	-	-	Positive	Positive	-	34%

		areas of stromal sclerosis							
12	M/71	LEC, solid islands and cords with extensive necrosis	+++	-	+	Positive	Positive	N/A	40%
13	F/47	LEC, solid areas merging with thin trabeculae and ribbon-like growth pattern	++	-	-	Positive	Positive	N/A	33%
14	F/57	LEC, thick anastomosing cords and ribbons of tumor cells	++	-	+	Positive	Positive	-	35%
15	M/55	LEC, solid areas with comedonecrosis and anastomosing cords of cells	-	-	-	Positive	Positive	-	35%
16	M/57	LEC, solid areas with comedonecrosis and thin trabecula of tumor cells	+++	-	-	Positive	Positive	N/A	28%
17	M/74	LEC, solid areas with comedonecrosis and thin anastomosing cords and trabecula of tumor cells	+	-	+	Positive	Positive	-	35%
18	F/56	LEC, solid areas admixed with areas showing serpiginous, ribbon-like pattern of growth	++	-	-	Positive	Positive	N/A	15%
19	M/62	LEC, solid and trabecular areas with extensive necrosis	+	-	+	Negative	Positive	-	30%
20	M/48	LEC, solid islands with comedonecrosis	+++	-	-	Positive	Positive	-	33%
21	F/67	LEC, solid islands with comedonecrosis and anastomosing trabecular areas	+	+	-	Positive	Positive	-	35%
22	F/56	LEC, thick anastomosing cords and thin trabecula of tumor cells	++	-	+	Positive	Positive	-	32%
23	M/75	LEC, solid islands with comedonecrosis and wide cords of tumor cells	+	-	+	Positive	Positive	N/A	30%
24	M/20	LEC, solid and trabecular with	-	-	-	Negative	Negative	Positive	38%

		areas of stromal sclerosis							
25	M/65	LEC, solid islands with comedonecrosis and thin infiltrative trabecula of tumor cells	+	-	-	Negative	Positive	N/A	28%
26	M/64	LEC, solid islands with comedonecrosis merging with trabecula of tumor cells	-	-	-	Negative	Negative	-	32%
27	M/82	LEC, solid islands with comedonecrosis and areas of stromal sclerosis	-	-	+	Positive	Positive	-	32%
28	F/54	LEC, small solid islands and thick anastomosing cords of tumor cells	-	-	-	Positive	Positive	-	32%
29	F/47	LEC, solid islands with comedonecrosis and foal areas of stromal sclerosis	+	-	+	Positive	Positive	-	35%
30	F/71	LEC, solid islands with comedonecrosis and anastomosing trabecula	+++	-	-	Positive	Positive	N/A	25%
31	F/43	LEC, solid and trabecular with areas of necrosis	+++	-	-	Positive	Positive	N/A	38%
32	F/68	LEC, thick anastomosing cords with areas of necrosis	+++	-	-	Positive	Positive	N/A	28%
33	F/61	LEC, solid islands and thin infiltrative cords of cells	++	-	-	Positive	Positive	N/A	32%
34	M/60	LEC, solid islands with comedonecrosis and anastomosing cords of cells	+	-	+	Positive	Positive	-	36%

Abbreviations: INSM1: insulinoma-associated protein-1; EBER: Epstein-Barr virus-encoded small RNA; N/A: not available; LEC: lymphoepithelial carcinoma; M: male; F: female; Chromo: chromogranin; -: negative; +: weak (5-30% staining); ++: moderate (30-50% staining); +++: strong (>50% staining).