

Experiment	Para-metric?*	Statistical test	lymphedema (n=14)	control (n=22)	p-value
CD3	Yes	Unpaired t-test	2.90±1,02/mm ²	1.87±0,85/mm ²	0.0026
CD4	No	Mann-Whitney test	1.4/mm ² (IQR: 1.0-2.5/mm ²)	1.0/mm ² (IQR: 0.6-1.4/mm ²)	0.0056
CD8	Yes	Unpaired t-test	1.49±0,78/mm ²	1.38±0,63/mm ²	0.6638
CD20	No	Mann-Whitney test	1.4/mm ² (IQR: 1.0-2.2/mm ²)	1.4/mm ² (IQR: 0.8-2.5/mm ²)	0.5969
CD68	Yes	Unpaired t-test	2.41±1,21/mm ²	2.18±1,19/mm ²	0.5701
CD163	Yes	Unpaired t-test	1.18±0,55/mm ²	1.10±0,48/mm ²	0.6465
iNOS	No	Mann-Whitney test	1.0/mm ² (IQR: 0.7-2.0/mm ²)	1.5/mm ² (IQR: 0.8-2.1/mm ²)	0.6654
Collagen area	Yes	Unpaired t-test	45.42±10,02%	63.54±7,12%	<0.0001
Collagen type	No	Mann-Whitney test	51.6% (IQR: 40.3-60.4%)	75.0% (IQR: 60.6-79.6%)	0.0004
Mast cell	No	Mann-Whitney test	1.2/mm ² (IQR: 0.6-1,7/mm ²)	0.2/mm ² (IQR: 0.1-0.4/mm ²)	<0.0001

*Assumed if Shapiro-Wilk test for normality is passed for both groups

Data is displayed as mean ± standard deviation for parametric tests and median and interquartile range for non-parametric tests

Experiment	Para-metric?*	Statistical test	early-stage lymphedema (n=10)	late-stage lymphedema (n=4)	p-value
CD3 subgroup	Yes	Unpaired t-test	2.95±0,99/mm ²	2.77±1,22/mm ²	0.7804
CD4 subgroup			1.96±1,19/mm ²	1.64±0,60/mm ²	0.6293
CD8 subgroup			1.44±0,65/mm ²	1.63±0,64/mm ²	0.6268
CD20 subgroup			1.77±0,95/mm ²	1.49±0,71/mm ²	0.6087
CD68 subgroup			2.35±1,15/mm ²	2.59±1,51/mm ²	0.7498
CD163 subgroup			0.97±0,45/mm ²	1.70±0,44/mm ²	0.0175
iNOS subgroup			1.43±0,88/mm ²	1.49±1,11/mm ²	0.9178
Coll. area subgroup			45.55±9,60%	44.95±13,84%	0.9316
Coll. type subgroup			48.82±11,78%	59.26±7,22%	0.1762
Mast cell subgroup			1.05±0,77/mm ²	0.60±0,29/mm ²	0.2811

*Assumed if Shapiro-Wilk test for normality is passed for both groups

Data is displayed as mean ± standard deviation for parametric tests and median and interquartile range for non-parametric tests