

Supplementary Table S2. Association between Visual Analogue Scale (VAS) oral dryness and ultrasound lesions.

	25°Quartile	50°Quartile	75°Quartile	Mean± SD	p-value
PG echogenicity					0.266
0= normal	3.0	7.0	9.0	6.13 ± 3.36	
1= abnormal	5.0	7.0	10.0	7.25 ± 2.49	
SMG echogenicity					0.003
0= normal	3.0	6.0	6.5	4.94 ± 2.93	
1= abnormal	6.0	8.0	10.0	7.44 ± 2.53	
PG homogeneity					0.107
0= normal	5.0	6.0	8.0	6.06 ± 2.51	
1= abnormal	5.0	7.5	10.0	7.14 ± 2.87	
SMG homogeneity					0.001
0= normal	3.0	3.0	6.0	3.78 ± 2.63	
1= abnormal	6.0	8.0	10.0	7.33 ± 2.55	
PG hyperechoic bands					0.002
0= none	3.0	4.0	7.0	4.30 ± 2.98	
1= <50% parenchyma	5.0	6.5	8.5	6.33 ± 2.91	
2= ≥50% parenchyma	6.5	8.0	10.0	7.90 ± 2.19	
SMG hyperechoic bands					<0.001
0= none	2.0	6.0	6.0	4.15 ± 2.94	
1= <50% parenchyma	5.0	7.0	10.0	6.92 ± 2.73	
2= ≥50% parenchyma	7.0	8.0	10.0	7.91 ± 2.08	
PG location of the hypoechoic areas in the gland					0.076
0= none	5.0	6.0	8.0	6.06 ± 2.43	
1= isolated (<25% area)	3.0	6.0	8.0	5.45 ± 3.24	
2= localised (25-50% area)	5.0	7.5	9.0	6.62 ± 3.46	
3= scattered (>50% area)	5.0	8.5	10.0	7.75 ± 2.37	
4= diffused	7.0	8.5	10.0	7.77 ± 2.57	
SMG location of the hypoechoic areas in the gland					0.009
0= none	3.0	4.5	7.0	4.57 ± 3.39	
1= isolated (<25% area)	5.0	6.0	8.0	5.92 ± 2.84	
2= localised (25-50% area)	7.0	8.0	10.0	8.00 ± 2.37	
3= scattered (>50% area)	6.0	8.0	10.0	7.73 ± 1.90	
4= diffused	6.0	8.0	10.0	7.85 ± 2.07	
PG abnormal lymph nodes in the glands					0.024
0= no	6.0	8.0	10.0	7.42 ± 2.60	
1= yes	3.5	5.0	8.0	5.83 ± 2.99	
SMG abnormal lymph nodes in the glands					0.842
0= no	5.0	7.0	10.0	6.89 ± 2.80	
1= yes	5.0	7.5	10.0	7.50 ± 3.53	
PG calcification					0.324
0= no	5.0	7.0	10.0	6.80 ± 2.82	
1= yes	5.0	9.0	10.0	7.86 ± 2.79	
SMG calcification					0.474
0= no	5.0	7.0	10.0	6.79 ± 2.89	
1= yes	7.0	7.0	9.0	7.78 ± 1.79	
PG posterior border visible					0.484
0= no	7.0	7.5	9.0	8.00 ± 1.41	
1= yes	5.0	7.0	10.0	6.84 ± 2.87	
SMG posterior border visible					0.842
0= no	5.0	7.5	10.0	7.50 ± 3.53	
1= yes	5.0	7.0	10.0	6.89 ± 2.80	
PG SGUS score					0.015
0	3.0	6.0	8.0	5.67 ± 2.64	
1	4.0	6.5	7.50	5.75 ± 3.10	
2	5.0	7.0	10.0	6.75 ± 3.09	
3	7.0	9.0	10.0	8.30 ± 1.84	
SMG SGUS score					<0.001
0	3.0	3.0	6.0	4.08 ± 3.07	
1	5.0	6.0	8.0	5.64 ± 2.80	
2	7.0	8.0	10.0	8.11 ± 1.68	
3	6.0	8.0	10.0	7.68 ± 2.43	
PG fatty deposition					0.094
0= no	5.0	7.0	9.0	6.75 ± 2.80	
1= yes	7.0	10.0	10.0	8.43 ± 2.64	
SMG fatty deposition					0.327
0= no	5.0	7.0	9.0	6.76 ± 2.80	
1= yes	5.0	10.0	10.0	7.61 ± 2.78	

Supplementary Table S1. Patient clinical and laboratory features.

Gender, female, <i>n</i> (%)	69/75 (92%)
Age at disease onset, years, <i>mean</i> $\pm$ <i>SD</i> *; <i>median</i>	49.7 $\pm$ 12.1; 50
Age at evaluation, years, <i>mean</i> $\pm$ <i>SD</i> ; <i>median</i>	62.1 $\pm$ 11.8; 63
Disease duration, years, <i>mean</i> $\pm$ <i>SD</i> ; <i>median</i>	12.4 $\pm$ 7.2; 12
Presence of oral symptoms, <i>n</i> (%)	71/75 (94.7%)
VAS [#] oral dryness, <i>mean</i> $\pm$ <i>SD</i> ; <i>median</i>	6.9 $\pm$ 2.8; 7
Lip biopsy focus score ≥ 1 , <i>n</i> (%)	32/40 (80%)
Anti-Ro/SSA positive, <i>n</i> (%)	75/75 (100%)
Anti-La/SSB positive, <i>n</i> (%)	43/75 (57.3%)
Rheumatoid factor (RF) positive, <i>n</i> (%)	46/75 (61.3%)
Abnormal unstimulated salivary flow rate [§] , <i>n</i> (%)	54/75 (72%)

*SD: standard deviation; [#]VAS: Visual Analogue Scale; [§]unstimulated salivary flow rate: ≤ 1.5 ml/15 minutes was considered pathological.

Supplementary Table S3. Linear regression model after stepwise selection for Visual Analogue Scale (VAS) oral dryness.

Variable	β -coefficient	<i>p</i> -value	R-square of the model
SMG* homogeneity	2.250	0.024	0.3162
SMG hyperechoic bands [§]	1.258	0.004	
PG** abnormal lymph nodes	-1.806	0.003	

*SMG: submandibular glands.

[§]increase in VAS sicca for increase in hyperechoic bands from none to $<50\%$ parenchyma and from $<50\%$ to $\geq 50\%$ parenchyma.

**PG: parotid glands.