

Supplementary Table S1. Patient characteristics.

Patient characteristics	100 patients suspected of SjD**
Age, years	56 (44;65)
Female patients	87/100 (87%)
Hocevar score	20 (8;28)
OMERACT grey scale score	7 (2;10)
Final clinical diagnosis	25 non-SjD sicca patients, 75 SjD patients
Symptom duration, years	8 (4;13)
Focus score ≥ 1 lymphocytic focus / 4 mm ² of salivary gland tissue	57 / 80 (71%)
Anti-SSA/Ro positive	72 / 100 (72%)
Ocular staining score $\geq 5^*$	20 / 96 (21%)
Schirmer ≤ 5 mm*	49 / 94 (52%)
Unstimulated whole saliva ≤ 0.1 ml/min	55 / 97 (57%)
Symptoms of dry mouth for at least 3 months	81 / 100 (81%)
Recurrent or persistent swollen salivary gland	54 / 100 (54%)
Need for liquids to swallow foods	62 / 100 (62%)

Data presented as median (IQR) and n / total n (%).

*Scored in at least one eye.

**Not all components of the ACR-EULAR classification criteria were performed or repeated for every patient at our hospital.

Supplementary Table S2. Frequency table of extra-parenchymal vasculature.

		Observer 1	Observer 2	Observer 3	Observer 4	Total
LSm	Absence	2	27	23	10	62 (15.5%)
	Presence	97	73	77	90	337 (84.3%)
LPar	Absence	17	65	68	49	199 (49.8%)
	Presence	82	35	32	51	200 (50%)
RSm	Absence	7	29	25	8	69 (17.3%)
	Presence	93	71	75	92	331 (82.8%)
RPar	Absence	18	76	61	44	199 (49.8%)
	Presence	82	24	39	56	201 (50.3%)

LSm: left submandibular gland; LPar: left parotid gland; RSm: right submandibular gland; RPar: right parotid gland.

Supplementary Table S3. Light's kappa for all observers.

	LSm LK (95% CI)	LPar LK (95% CI)	RSm LK (95% CI)	RPar LK (95% CI)	4 glands combined LK (95% CI)
Session 1	0.55 (0.43;0.66)	0.70 (0.58;0.82)	0.58 (0.46;0.70)	0.68 (0.56;0.80)	0.63 (0.51;0.75)
Session 2	0.45 (0.33;0.57)	0.56 (0.43;0.69)	0.41 (0.30;0.52)	0.57 (0.43;0.70)	0.50 (0.37;0.62)

LK: Light's kappa; LSm: left submandibular gland; LPar: left parotid gland; RSm: right submandibular gland; RPar: right parotid gland; CI: confidence interval.