

Supplementary Table S1. Hocevar to OMERACT score conversion table for submandibular salivary glands.

Homogeneity Submandibular (0-3)	Hypoechoic areas submandibular (0-3)	Hyperechogenic reflections submandibular (0-1)	OMERACT	Comments
0	0	0	0	
0	0	1	0	Possibly not realistic, if encountered then 0
0	1	0	0	Possibly not realistic, if encountered then 0
0	1	1	0	Possibly not realistic, if encountered then 0
0	2	0		Probably not realistic
0	2	1		Probably not realistic
0	3	0		Probably not realistic
0	3	1		Probably not realistic
1	0	0	0	In case of mild inhomogeneity but no hypoechoic areas, score as OMERACT grade 0
1	0	1	0	In case of mild inhomogeneity but no hypoechoic areas, score as OMERACT grade 0
1	1	0	1	In case of mild inhomogeneity and <25% hypoechoic areas, score as OMERACT grade 1
1	1	1	1	In case of mild inhomogeneity and <25% hypoechoic areas, score as OMERACT grade 1
1	2	0	2	
1	2	1	2	
1	3	0	3	Probably not realistic, if encountered grade 3 (based on hypoechoic areas)
1	3	1	3	Probably not realistic, if encountered grade 3 (based on hypoechoic areas)
2	0	0	1	Probably not realistic, if encountered grade 1
2	0	1	1	Probably not realistic, if encountered grade 1
2	1	0	2	
2	1	1	2	
2	2	0	2	
2	2	1	2	
2	3	0	3	
2	3	1	3	
3	0	0		Probably not realistic
3	0	1	3	Possibly not realistic, based on fibrosis in combination with the severe inhomogeneity, score as OMERACT 3
3	1	0	2	Possibly not realistic, if encountered then 2
3	1	1	3	Based on fibrosis in combination with the severe inhomogeneity, score as OMERACT 3
3	2	0	2	
3	2	1	3	Based on fibrosis in combination with the severe inhomogeneity, score as OMERACT 3
3	3	0	3	
3	3	1	3	

Supplementary Table S2. Hocevar to OMERACT score conversion table for parotid salivary glands.

Homogeneity parotid (0-3)	Hypoechoogenic areas parotid (0-3)	Hyperechoogenic reflections parotid (0-3)	OMERACT	Comments
0	0	0	0	
0	0	1	0	Possibly not realistic, if encountered then 0
0	0	2		Probably not realistic
0	0	3		Probably not realistic
0	1	1	0	Possibly not realistic, if encountered then 0
0	1	0	0	Possibly not realistic, if encountered then 0
0	1	2		Probably not realistic
0	1	3		Probably not realistic
0	2	0		Probably not realistic
0	2	1		Probably not realistic
0	2	2		Probably not realistic
0	2	3		Probably not realistic
0	3	0		Probably not realistic
0	3	1		Probably not realistic
0	3	2		Probably not realistic
0	3	3		Probably not realistic
1	0	0	0	In case of mild inhomogeneity but no hypoechoic areas, score as OMERACT grade 0
1	0	1	0	In case of mild inhomogeneity but no hypoechoic areas, score as OMERACT grade 0
1	0	2		Probably not realistic
1	0	3		Probably not realistic
1	1	0	1	In case of mild inhomogeneity and <25% hypoechoic areas, score as OMERACT grade 1
1	1	1	1	In case of mild inhomogeneity and <25% hypoechoic areas, score as OMERACT grade 1
1	1	2	2	Probably not realistic, if encountered then 2 (due to hyperechoic reflections)
1	1	3		Probably not realistic
1	2	0	2	
1	2	1	2	
1	2	2	2	
1	2	3		Probably not realistic
1	3	0	3	Probably not realistic, if encountered score 3
1	3	1	3	Probably not realistic, if encountered score 3
1	3	2	3	Probably not realistic, if encountered score 3
1	3	3	3	Probably not realistic, if encountered score 3
2	0	0	1	Probably not realistic, if encountered score 1
2	0	1	1	Probably not realistic, if encountered score 1
2	0	2	2	Probably not realistic, if encountered score 2
2	0	3		Probably not realistic
2	1	0	2	
2	1	1	2	
2	1	2	2	
2	1	3		Probably not realistic
2	2	0	2	
2	2	1	2	
2	2	2	2	
2	2	3		Probably not realistic
2	3	0	3	
2	3	1	3	
2	3	2	3	
2	3	3	3	Because of severe fibrosis, score as OMERACT 3
3	0	0		Probably not realistic
3	0	1		Probably not realistic
3	0	2		Probably not realistic
3	0	3	3	Possibly not realistic, based on fibrosis in combination with severe inhomogeneity
3	1	0	2	Possibly not realistic, if encountered then 2
3	1	1	2	
3	1	2	2	
3	1	3	3	Based on fibrosis in combination with the severe inhomogeneity, score as OMERACT 3
3	2	0	2	
3	2	1	2	
3	2	2	3	Because in this case half of the gland is filled with hypoechoic areas and half with fibrotic lesions/hyperechoic reflections, the whole gland is affected, score as 3
3	2	3	3	Based on fibrosis in combination with the severe inhomogeneity, score as OMERACT 3
3	3	0	3	
3	3	1	3	
3	3	2	3	
3	3	3	3	

Supplementary Table S3. DMARD users vs. non-DMARD users during follow-up.

Parameter	Visit	DMARD users (n=107)	Non-DMARD users (n=146)	p-value
Total Hocevar score	Baseline	21 (± 10) ^a	23 (± 9) ^a	0.241
	Year 2	20 (± 10) ^a	22 (± 10) ^a	0.059
	Year 5	22 (± 10) ^a	25 (± 9) ^b	0.126
UWS (ml/min)	Baseline	0.05 (0.01-0.14) ^a	0.04 (0.01-0.15) ^a	0.588
	Year 2	0.06 (0-0.14) ^c	0.05 (0.01-0.15) ^d	0.931
	Year 5	0.03 (0-0.14) ^d	0.03 (0-0.07) ^d	0.698
uSMSLS (ml/min)	Baseline	0.03 (0.01-0.09) ^a	0.02 (0.01-0.07) ^a	0.366
	Year 2	0.03 (0-0.08) ^c	0.02 (0-0.08) ^c	0.858
	Year 5	0.02 (0-0.09) ^d	0.01 (0-0.03) ^d	0.511
UPS (ml/min)	Baseline	0 (0-0.06) ^a	0 (0-0.07) ^a	0.689
	Year 2	0 (0-0.06) ^c	0 (0-0.06) ^c	0.995
	Year 5	0 (0-0.05) ^d	0.01 (0-0.04) ^d	0.985
SWS (ml/min)	Baseline	0.43 (0.12-0.96) ^a	0.57 (0.19-0.96) ^b	0.346
	Year 2	0.41 (0.17-0.87) ^c	0.66 (0.22-1.01) ^c	0.038
	Year 5	0.39 (0.03-0.77) ^c	0.35 (0.13-0.74) ^c	0.837
sSMSLS (ml/min)	Baseline	0.06 (0.01-0.18) ^a	0.06 (0.02-0.2) ^a	0.678
	Year 2	0.06 (0.01-0.19) ^c	0.06 (0.01-0.18) ^c	0.943
	Year 5	0.05 (0-0.13) ^d	0.03 (0-0.09) ^c	0.458
SPS (ml/min)	Baseline	0.06 (0.01-0.15) ^a	0.06 (0.01-0.17) ^a	0.617
	Year 2	0.06 (0.01-0.15) ^c	0.08 (0.01-0.17) ^c	0.475
	Year 5	0.03 (0-0.14) ^d	0.05 (0-0.12) ^d	0.713

Values are presented as means \pm standard deviation (SD) or median + interquartile range (IQR).

^a<5% data missing; ^b5-10% data missing; ^c10-15% data missing; ^d15-20% data missing.

UWS: unstimulated whole saliva; uSMSLS: unstimulated submandibular/sublingual saliva; UPS: unstimulated parotid saliva; SWS: stimulated whole saliva; sSMSLS: stimulated submandibular/sublingual saliva; SPS: stimulated parotid saliva.

Group differences were analysed using Mann-Whitney U tests.