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Appendix

Table E1a. SOFO group: Clinical data distributions and within-group comparisons.

Clinical Measure		Time points				Post-hoc Comparisons*	
		T0	T6	T12	T24	H_0	p-value
VAS ()	mean ±std	7.94 ±1.64	2.46 ±1.65	1.79 ±1.41	1.44 ±0.98	$\mu^{T0}_{SA}=\mu^{T6}_{SA}$	<0.001
	[min, max]	[4.0, 10.0]	[0.0, 6.0]	[0.0, 6.0]	[0.0, 4.0]	$\mu^{T0}_{SA}=\mu^{T12}_{SA}$	<0.001
						$\mu^{T0}_{SA}=\mu^{24}_{SA}$	<0.001
AOFAS ()	mean ±std	32.56 ±12.52	81.08 ±10.29	86.62 ±8.43	89.52 ±6.77	$\mu^{T0}_{SD}=\mu^{T6}_{SD}$	<0.001
	[min, max]	[7.0, 66.0]	[59.0, 100.0]	[67.0, 100.0]	[75.0, 100.0]	$\mu^{T0}_{SD}=\mu^{12}_{SD}$	<0.001
						$\mu^{T0}_{SD}=\mu^{24}_{SD}$	<0.001
SF12 PCS ()	mean ±std	31.40 ±7.75	43.16 ±6.72	46.84 ±6.89	48.05 ±7.21	$\mu^{T0}_{TTR}=\mu^{T6}_{TTR}$	<0.001
	[min, max]	[19.4, 47.5]	[30.8, 57.2]	[31.3, 57.2]	[28.4, 57.2]	$\mu^{T0}_{TTR}=\mu^{12}_{TTR}$	<0.001
						$\mu^{T0}_{TTR}=\mu^{24}_{TTR}$	<0.001
SF12 MCS ()	mean ±std	44.50 ±6.39	50.45 ±8.66	54.59 ±5.44	54.21 ±7.20	$\mu^{T6}_{\alpha}=\mu^{T12}{}_{\alpha}$	0.01
	[min, max]	[23.5, 59.6]	[31.8, 62.5]	[40.9, 63.4]	[23.2, 63.4]	$\mu^{T6}_{\alpha}=\mu^{T24}{}_{\alpha}$	<0.001
						$\mu^{T12}{}_{\alpha}=\mu^{T24}{}_{\alpha}$	<0.001

*Post-hoc comparisons were performed after one-way repeated measure ANOVA. Not all post-hoc comparisons are reported, i.e. T6 vs T12, T6 vs T24, and T12 vs T24

° one-way repeated measure ANOVA did not show any significant effect of the time on the clinical measure.

Table E1b. SOFO group: Radiographic measurement distributions and within-group comparisons.

Radiographic Measure		Time points					Post-hoc Comparisons*	
		T0	T2	T6	T12	T24	H_0	p-value
TT Ratio ()	mean ±std	0.37 ±0.10	0.34 ±0.08	0.34 ±0.08	0.34 ±0.10	0.35 ±0.10	$\mu^{T0}_{TTR}=\mu^{T2}_{TTR}$	-°
	[min, max]	[0.00, 0.62]	[0.19, 0.46]	[0.19, 0.47]	[0.15, 0.63]	[0.16, 0.68]	$\mu^{T0}_{TTR}=\mu^{T6}_{TTR}$	-°
							$\mu^{T0}_{TTR}=\mu^{12}_{TTR}$	-°
							$\mu^{T0}_{TTR}=\mu^{24}_{TTR}$	-°
α Angle (°)	mean ±std	-	89.71 ±2.29	89.14 ±3.28	89.58 ±3.74	90.33 ±3.38	$\mu^{T2}_{\alpha}=\mu^{T6}{}_{\alpha}$	-°
	[min, max]	-	[85.8, 94.4]	[75.5, 96.9]	[80.4, 102.8]	[82.6, 102.3]	$\mu^{T2}_{\alpha}=\mu^{T12}{}_{\alpha}$	-°
		-					$\mu^{T2}_{\alpha}=\mu^{T24}{}_{\alpha}$	-°
		-					$\mu^{T6}_{\alpha}=\mu^{T12}{}_{\alpha}$	-°
		-					$\mu^{T6}_{\alpha}=\mu^{T24}{}_{\alpha}$	-°
		-					$\mu^{T12}{}_{\alpha}=\mu^{T24}{}_{\alpha}$	-°
β Angle (°)	mean ±std	-	83.52 ±6.35	83.85 ±7.70	83.61 ±7.18	83.83 ±6.44	$\mu^{T2}_{\alpha}=\mu^{T6}{}_{\alpha}$	-°
	[min, max]	-	[67.2, 94.5]	[64.6, 110.5]	[63.6, 101.6]	[67.2, 97.3]	$\mu^{T2}_{\alpha}=\mu^{T12}{}_{\alpha}$	-°
		-					$\mu^{T2}_{\alpha}=\mu^{T24}{}_{\alpha}$	-°

-	$\mu^{T6}_{\beta} = \mu^{T12}_{\beta}$	-°
-	$\mu^{T6}_{\beta} = \mu^{T24}_{\beta}$	-°
-	$\mu^{T12}_{\beta} = \mu^{24}_{\beta}$	-°

*Post-hoc comparisons were performed after one-way repeated measure ANOVA. Not all post-hoc comparisons are reported, i.e. T6 vs T12, T6 vs T24, and T12 vs T24

° one-way repeated measure ANOVA did not show any significant effect of the time on the clinical measure.

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Table E2a. FARG group: Clinical data distributions and within-group comparisons.

Clinical Measure		Time points				Post-hoc Comparisons*	
		T0	T6	T12	T24	H_0	p-value
VAS ()	mean ±std	7.89 ±4.68	2.61 ±1.36	1.75 ±1.36	1.43 ±0.97	$\mu^{T0}{}_{SA} = \mu^{T6}{}_{SA}$	<0.001
	[min, max]	[0.0, 51.0]	[0.0, 7.0]	[0.0, 7.0]	[0.0, 4.0]	$\mu^{T0}{}_{SA} = \mu^{T12}{}_{SA}$	<0.001
						$\mu^{T0}{}_{SA} = \mu^{24}{}_{SA}$	<0.001
AOFAS ()	mean ±std	32.22 ±16.29	81.91 ±9.76	85.70 ±10.05	86.82 ±6.96	$\mu^{T0}{}_{SD} = \mu^{T6}{}_{SD}$	<0.001
	[min, max]	[0.0, 67.0]	[45.0, 100.0]	[39.0, 100.0]	[70.0, 100.0]	$\mu^{T0}{}_{SD} = \mu^{12}{}_{SD}$	<0.001
						$\mu^{T0}{}_{SD} = \mu^{24}{}_{SD}$	<0.001
SF12 PCS ()	mean ±std	33.30 ±8.46	39.81 ±8.07	45.03 ±8.04	46.25 ±7.71	$\mu^{T0}{}_{TTR} = \mu^{T6}{}_{TTR}$	<0.001
	[min, max]	[19.4, 53.6]	[21.9, 57.2]	[27.6, 61.3]	[32.3, 61.3]	$\mu^{T0}{}_{TTR} = \mu^{12}{}_{TTR}$	<0.001
						$\mu^{T0}{}_{TTR} = \mu^{24}{}_{TTR}$	<0.001
SF12 MCS ()	mean ±std	44.31 ±10.64	49.49 ±9.65	51.63 ±9.35	53.12 ±8.67	$\mu^{T6}{}_{\alpha} = \mu^{T12}{}_{\alpha}$	<0.001
	[min, max]	[18.9, 71.4]	[30.8, 65.5]	[32.1, 66.3]	[32.1, 66.3]	$\mu^{T6}{}_{\alpha} = \mu^{T24}{}_{\alpha}$	<0.001
						$\mu^{T12}{}_{\alpha} = \mu^{T24}{}_{\alpha}$	<0.001

*Post-hoc comparisons were performed after one-way repeated measure ANOVA. Not all post-hoc comparisons are reported, i.e. T6 vs T12, T6 vs T24, and T12 vs T24

° one-way repeated measure ANOVA did not show any significant effect of the time on the clinical measure (see Results).

Table E2b. FARG group: Radiographic measurement distributions and within-group comparisons.

Radiographic Measure		Time points					Post-hoc Comparisons*	
		T0	T2	T6	T12	T24	H_0	p-value
TT Ratio ()	mean ±std	0.35 ±0.08	0.33 ±0.08	0.33 ±0.07	0.33 ±0.09	0.34 ±0.09	$\mu^{T0}{}_{TTR} = \mu^{T2}{}_{TTR}$	0.012
	[min, max]	[0.10, 0.61]	[0.17, 0.48]	[0.17, 0.50]	[0.17, 0.53]	[0.17, 0.51]	$\mu^{T0}{}_{TTR} = \mu^{T6}{}_{TTR}$	0.005
							$\mu^{T0}{}_{TTR} = \mu^{12}{}_{TTR}$	0.02
							$\mu^{T0}{}_{TTR} = \mu^{24}{}_{TTR}$	0.61
α Angle (°)	mean ±std	-	90.83 ±3.51	90.73 ±3.19	91.01 ±2.61	91.31 ±3.04	$\mu^{T2}{}_{\alpha} = \mu^{T6}{}_{\alpha}$	-°
	[min, max]	-	[79.0, 98.2]	[79.0, 96.8]	[85.3, 96.9]	[81.5, 97.0]	$\mu^{T2}{}_{\alpha} = \mu^{T12}{}_{\alpha}$	-°
		-					$\mu^{T2}{}_{\alpha} = \mu^{T24}{}_{\alpha}$	-°
		-					$\mu^{T6}{}_{\alpha} = \mu^{T12}{}_{\alpha}$	-°
		-					$\mu^{T6}{}_{\alpha} = \mu^{T24}{}_{\alpha}$	-°
		-					$\mu^{T12}{}_{\alpha} = \mu^{T24}{}_{\alpha}$	-°
β Angle (°)	mean ±std		83.26 ±6.64	83.95 ±5.70	84.29 ±5.31	85.01 ±5.91	$\mu^{T2}{}_{\alpha} = \mu^{T6}{}_{\alpha}$	-°
	[min, max]		[61.5, 97.3]	[72.2, 98.3]	[72.9, 95.4]	[75.0, 97.9]	$\mu^{T2}{}_{\alpha} = \mu^{T12}{}_{\alpha}$	-°
							$\mu^{T2}{}_{\alpha} = \mu^{T24}{}_{\alpha}$	-°
							$\mu^{T6}{}_{\beta} = \mu^{T12}{}_{\beta}$	-°
							$\mu^{T6}{}_{\beta} = \mu^{T24}{}_{\beta}$	-°
							$\mu^{T12}{}_{\beta} = \mu^{24}{}_{\beta}$	-°

*Post-hoc comparisons were performed after one-way repeated measure ANOVA. Not all post-hoc comparisons are reported, i.e. T6 vs T12, T6 vs T24, and T12 vs T24

° one-way repeated measure ANOVA did not show any significant effect of the time on the clinical measure (see Results).