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## SUPPLEMENTARY MATERIAL

### **Telerheumatology to improve first access outcomes in outpatients: a prospective monocentric pilot study**

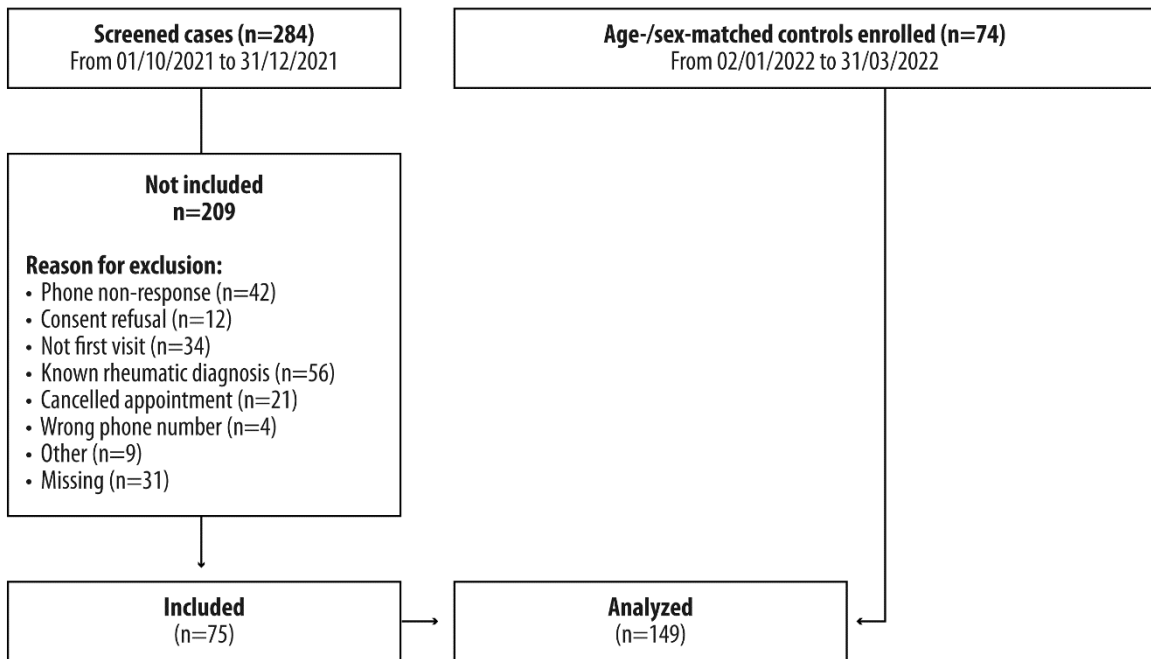
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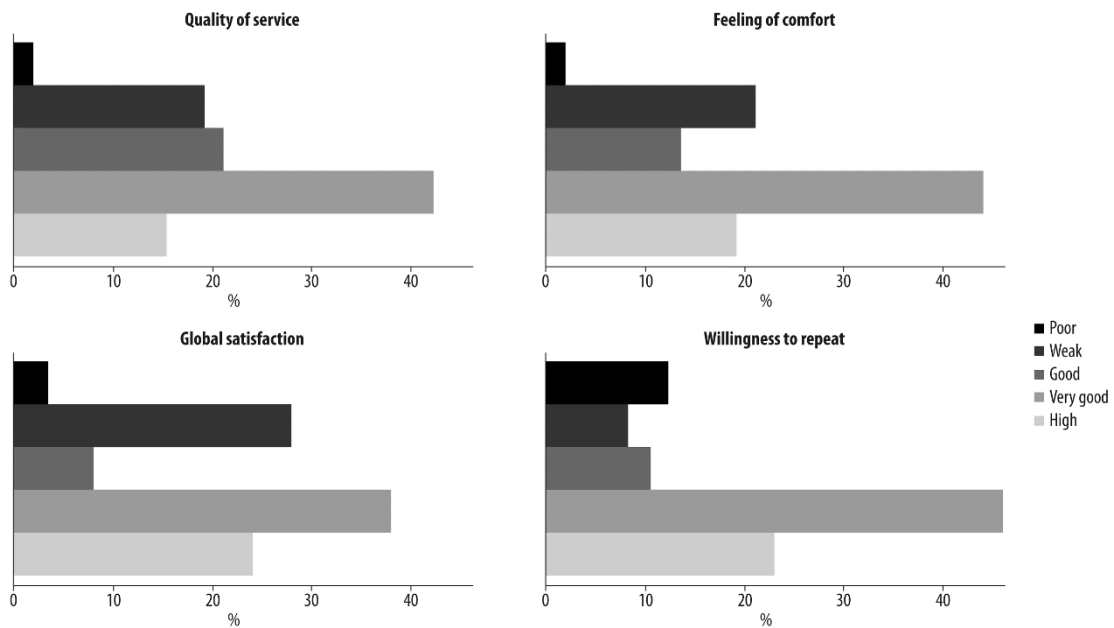
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**Supplementary Figure 1. Flow-chart of patient inclusion.**



**Supplementary Figure 2. Response rates to individual questions of the satisfaction survey.**

**Supplementary Table 1. Comparison of sex and age between included and not-included patients.**

Characteristics	Included (n=75)	Not included (n=209)	p
Female, n (%)	65 (86.7)	174 (83.2)	0.487
Age (years), mean (standard deviation) [min-max]	59.6 (14.1) [19-91]	59.2 (15.5) [19-90]	0.839

**Supplementary Table 2. Factors associated with the primary outcome between the subject who performed the televisit (cases) and those who did not (controls) (n=149).**

Conclusive diagnosis at first in-person visits	Univariable		Adjusted <sup>†</sup>	
	OR (95% CI)	p	OR (95% CI)	p
Televisit performed (none as a reference)	2.28 (1.13-4.61)	0.021	2.95 (1.34-6.52)	0.007
Gender (female as a reference)	0.77 (0.30-2.01)	0.601	–	–
Age (years), per 10-unit increment	1.31 (1.04-1.65)	0.022	–	–
Education (high school or higher degree vs primary and/lower secondary school as a reference)	0.86 (0.39-1.91)	0.716	–	–
Self-assessed ICT skills (good or higher vs. other as a reference)	0.49 (0.24-1.03)	0.061	0.38 (0.17-0.84)	0.016
Marital status (married or cohabitating vs. other as a reference)	0.99 (0.50-1.98)	0.987	0.79 (0.37-1.70)	0.558
Offspring (none as reference)	1.26 (0.59-2.67)	0.554	–	–
Work (employed vs unemployed as a reference)	0.71 (0.35-1.44)	0.336	–	–

OR, odds ratio; CI, confidence interval; ICT, information and communication technologies. <sup>†</sup>Adjusted for unbalanced covariates between groups: marital status and self-assessment of information and communication technologies skills.

**Supplementary Table 3. Response rates to individual questions of the satisfaction survey (n=52).**

Questions	Satisfaction rating; n (%)					
	<i>Not satisfied</i>	<i>Poor</i>	<i>Weak</i>	<i>Good</i>	<i>Very good</i>	<i>High</i>
Feeling of comfort during the service	0	1 (2)	11 (21)	7 (13)	23 (44)	10 (19)
Quality of the service	0	1 (2)	10 (19)	11 (21)	22 (42)	8 (15)
Global satisfaction	0	2 (4)	14 (27)	4 (8)	19 (27)	12 (23)
Willingness to repeat the experience in the future	1 (2)	5 (10)	4 (8)	5 (10)	22 (42)	11 (22)

**Supplementary Table 4. Associations between subject characteristics and satisfaction survey results to assess the probability of reporting a slight to high satisfaction rating in terms of feeling of comfort, care service quality, satisfaction, and willingness to repeat the experience (n=50).**

Slight to high satisfaction	Feeling of comfort				Care service quality			
	Univariable		Adjusted		Univariable		Adjusted	
	OR (95% CI)	P	OR (95% CI)	P	OR (95% CI)	P	OR (95% CI)	P
	Univariable		Adjusted		Univariable		Adjusted	
Gender (female as a reference)	0.16 (0.02-1.15)	0.069	0.50 (0.02-12.5)	0.675	0.35 (0.05-2.45)	0.294	0.28 (0.01-6.45)	0.425
Age (years), per 10-unit increment	0.68 (0.38-1.21)	0.185	0.84 (0.35-1.99)	0.694	0.57 (0.31-1.09)	0.089	0.59 (0.28-1.24)	0.169
Education (secondary school or lower as a reference)	6.00 (1.37-26.2)	0.017	6.92 (0.70-67.90)	0.097	6.4 (1.47-27.9)	0.013	5.13 (0.64-40.99)	0.123
Self-assessed ICT skills (good or higher vs other as a reference)	7.00 (1.65-29.67)	0.008	10.99 (0.99-121.35)	0.05	1.66 (0.40-6.88)	0.487	1.57 (0.20-12.35)	0.669
Marital status (non-married nor cohabitating as a reference)	0.96 (0.24-3.80)	0.955	0.16 (0.01-1.77)	0.134	2.01 (0.51-7.88)	0.315	0.88 (0.12-6.11)	0.894
Offspring (none as a reference)	1.07 (0.24-4.84)	0.926	1.68 (0.18-15.21)	0.644	1.33 (0.29-6.09)	0.711	3.62 (0.42-31.00)	0.240
Work (unemployed as a reference)	1.18 (0.28-4.96)	0.822	1.51 (0.16-14.4)	0.721	3.25 (0.77-13.69)	0.108	2.35 (0.33-16.56)	0.392
	Satisfaction				Willingness to repeat			
Gender (female as a reference)	0.08 (0.01-0.80)	0.032	0.10 (0.01-1.62)	0.105	0.34 (0.05-2.40)	0.281	0.25 (0.01-4.82)	0.365
Age (years), per 10-unit increment	0.66 (0.38-1.14)	0.139	0.78 (0.39-1.54)	0.474	0.74 (0.41-1.36)	0.338	0.73 (0.32-1.65)	0.447
Education (secondary school or lower as a reference)	5.6 (1.36-23.06)	0.017	3.05 (0.43-21.44)	0.263	10 (1.94-51.54)	<b>0.006</b>	11.71 (1.22-112.50)	<b>0.033</b>
Self-assessed ICT skills (good or higher vs other as a reference)	2.48 (0.66-9.34)	0.181	1.93 (0.21-17.32)	0.558	1.5 (0.31-7.17)	0.611	0.29 (0.01-6.69)	0.440
Marital status (non-married nor cohabitating as a reference)	1.45 (0.41-5.10)	0.559	0.77 (0.13-4.47)	0.768	1.64 (0.39-6.95)	0.505	0.81 (0.09-7.77)	0.859
Offspring (none as a reference)	0.72 (0.16-3.16)	0.665	1.38 (0.18-10.44)	0.755	0.94 (0.16-5.31)	0.942	1.97 (0.13-29.22)	0.622
Work (unemployed as a reference)	1.71 (0.46-6.35)	0.420	1.92 (0.30-12.26)	0.489	1.53 (0.35-6.79)	0.574	0.93 (0.11-8.17)	0.948

OR, odds ratio; CI, confidence interval; ICT, information and communication technologies.