

Supplementary Material

Supplementary Methods

The Short Form Health Survey version 2 (SF-36v2) contains 36 questions and assesses health-related quality of life across eight domains, covering physical and mental aspects [1]:

a) Physical Functioning (PF) describes the extent to which health permits activities ranging from basic self-care and walking to climbing stairs, carrying groceries and undertaking strenuous physical effort. Greater functional independence produces a higher score (10 items: 3a–3j).

b) Role-Physical (RP) concerns the consequences of physical health for work and other usual responsibilities, including reductions in time spent on activities, accomplishing less than intended and difficulty performing particular tasks. Higher values denote fewer role restrictions attributable to physical problems (4 items: 4a–4d).

c) Bodily Pain (BP) combines information about pain intensity and its disruptive effect on work and everyday activities. A higher result corresponds to less pain and less pain-related interference (2 items: 7 and 8).

d) General Health (GH) reflects the respondent's overall evaluation of current health, susceptibility to illness and expectations concerning future health. Higher scores represent a more favorable perception of personal health (5 items: 1 and 11a–11d).

e) Vitality (VT) represents the balance between energy and fatigue. Higher values indicate greater energy and vitality, whereas lower values are associated with tiredness and feeling worn out (4 items: 9a, 9e, 9g and 9i).

f) Social Functioning (SF) measures whether physical or emotional problems disrupt customary interactions with family, friends and other social groups. Higher scores indicate that health causes little interference with social participation (2 items: 6 and 10).

g) Role-Emotional (RE) evaluates the effect of emotional difficulties on work and other regular activities, including reduced productivity, decreased time devoted to tasks and less careful performance. Higher values signify fewer limitations related to emotional problems (3 items: 5a–5c).

h) Mental Health (MH) covers emotional well-being, including nervousness, depressed mood, calmness and happiness. Higher scores indicate a more favorable emotional state (5 items: 9b–9d, 9f and 9h).

The domain results contribute to two summary measures: the Physical Component Summary (PCS) and the Mental Component Summary (MCS). PCS primarily reflects PF, limitations associated with physical health and BP. MCS predominantly represents emotional well-being, participation in social life and restrictions arising from emotional problems. In both summaries, higher values indicate better health-related functioning [1].

Reference

1. Maruish ME (Ed.). User's manual for the SF-36v2 Health Survey (3rd ed.). Lincoln, RI: QualityMetric Incorporated; 2011.

Supplementary Table 1. Health dimensions measured by the Short Form Health Survey version 2 (SF-36v2) questionnaire.

	T1BrP (n=23)	Control group (n=20)	p-value
Physical Functioning	95 (90-100)	95 (80-100)	0.89
Physical Functioning NBS	55.6 (53.7-57.5)	55.6 (49.9-57.5)	
Role-Physical	87.5 (63-100)	78.1 (56-94)	0.25
Role-Physical NBS	52.7 (43.7-57.2)	49.3 (41.4-54.9)	
Bodily Pain	84 (41-100)	62 (41-77)	0.13
Bodily Pain NBS	55.6 (38.2-62)	46.7 (38.2-52.7)	
General Health	57 (50-77)	61 (41-75)	0.95
General Health NBS	46.1 (42.7-55.6)	48 (38.4-54.4)	
Vitality	62.5 (44-75)	56.3 (34-62)	0.20
Vitality NBS	52.6 (43.7-58.5)	49.6 (39.2-52.6)	
Social Functioning	87.5 (75-100)	75 (63-88)	0.10
Social Functioning NBS	52.3 (47.3-57.3)	47.3 (42.3-52.3)	
Role-Emotional	100 (75-100)	87.5 (79-96)	0.36
Role-Emotional NBS	56.2 (45.7-56.2)	50.9 (47.5-54.4)	
Mental Health	70 (55-85)	55.6 (40-70)	0.055
Mental Health NBS	48.3 (40.4-56.1)	40.7 (32.6-48.3)	
Physical Component Summary	53.9 (45.4-58.8)	51.7 (47.4-55.4)	0.36
Mental Component Summary	51.1 (40.6-55.5)	44.6 (37.6-49.1)	0.07

Values are presented as medians (interquartile ranges). NBS - norm-based scoring (T-score), T1BrP - type 1 Brugada syndrome electrocardiogram pattern.

Supplementary Table 2. Responses to all questions in Short Form Health Survey version 2 (SF-36v2) questionnaire among patients with type 1 Brugada syndrome electrocardiogram pattern and in control group.

Question number	Question content	T1BrP (n=23)	Control group (n=20)	p-value
1	In general, would you say your health is: 1 - Excellent, 2 - Very good, 3 - Good, 4 - Fair, 5 - Poor	3 (2-3)	3 (3-3)	0.83
2	Compared to one year ago, how would you rate your health in general now: 1- Much better , 2 - Somewhat better now than a year ago, 3 - About the same as one year ago, 4 - Somewhat worse now than one year ago, 5 - Much worse now than one year ago	3 (3-4)	3 (2-4)	0.53
The following questions are about activities you might do during a typical day. Does your health now limit you in these activities? If so, how much? 1 - Yes, limited a lot; 2 - Yes, limited a little; 3 - No, not limited at all.				
3a	Vigorous activities, such as running, lifting heavy objects, participating in strenuous activities.	2 (1-3)	3 (2-3)	0.45
3b	Moderate activities, such as moving a table, pushing a vacuum cleaner, swimming, light work in the garden	3 (3-3)	3 (3-3)	0.14
3c	Lifting or carrying groceries	3 (3-3)	3 (3-3)	0.85
3d	Climbing several flights of stairs	3 (2-3)	3 (2-3)	0.79
3e	Climbing one flight of stairs	3 (3-3)	3 (3-3)	0.90
3f	Bending, kneeling, or stooping	3 (3-3)	3 (3-3)	0.82
3g	Walking more than a kilometer	3 (3-3)	3 (3-3)	0.96
3h	Walking several hundred meters	3 (3-3)	3 (3-3)	0.38
3i	Walking one hundred meters	3 (3-3)	3 (3-3)	0.19
3j	Bathing or dressing yourself	3 (3-3)	3 (3-3)	0.66
During the past 4 weeks, how much of the time have you had any of the following problems with your work or other regular daily activities as a result of your physical health ? 1 - All of the time; 2 - Most of the time; 3 - Some of the time; 4 - A little of the time; 5 - None of the time				
4a	Cut down on the amount of time you spent on work or other activities	5 (3-5)	4 (3.5-5)	0.36
4b	Accomplished less than you would have liked	5 (3-5)	4 (3-4)	0.22
4c	Were limited in the kind of work or other activities	5 (4-5)	4 (3-5)	0.68
4d	Had difficulty performing the work or other activities (for example, it took extra effort)	4 (4-5)	4 (3-5)	0.29
During the past 4 weeks, how much of the time have you had any of the following problems with your work or other regular daily activities as a result of any emotional problems (such as feeling depressed or anxious)?				

1. All of the time; 2. Most of the time; 3. Some of the time; 4. A little of the time; 5. None of the time				
5a	Cut down the amount of time you spent on work or other activities	5 (4-5)	5 (4-5)	1.00
5b	Accomplished less than you would like	5 (4-5)	4.5 (4-5)	0.91
5c	Did your work or activities less carefully than usual	5 (4-5)	4 (3.5-5)	0.24
6	During the past 4 weeks, to what extent has your physical health or emotional problems interfered with your normal social activities with family, friends, neighbors, or groups? 1 - Not at all; 2 - Slightly; 3 - Moderately; 4 - Quite a bit; 5 - Extremely	1 (1-2)	2 (1.5-3)	0.06
7	How much bodily pain have you had during the past 4 weeks? 1 - None; 2 - Very mild; 3 - Mild; 4 - Moderate; 5 - Severe; 6 - Very severe	2 (1-4)	3 (1.5-4)	0.18
8	During the past 4 weeks, how much did pain interfere with your normal work (including both work outside the home and housework)? 1 - Not at all; 2 - A little bit; 3 - Moderately; 4 - Quite a bit; 5 - Extremely	1 (1-3)	2 (2-3)	0.07
These questions are about how you feel and how things have been with you during the past 4 weeks. For each question, please give the one answer that comes closest to the way you have been feeling. How much of the time during the Past 4 weeks.... 1 - All of the time; 2 - Most of the time; 3 - Some of the time; 4 - A little of the time; 5 - None of the time				
9a	Did you feel full of life?	2 (2-3)	2.5 (2-4)	0.40
9b	Have you been very nervous?	4 (3-4)	3 (2.5-3)	0.005
9c	Have you felt so down in the dumps that nothing could cheer you up?	4 (3-5)	3 (3-4)	0.15
9d	Have you felt calm and peaceful?	2 (2-3)	2 (2-4)	0.64
9e	Did you have a lot of energy?	3 (2-4)	3 (2-4)	0.99
9f	Have you felt downhearted and depressed?	4 (3-4)	3.5 (3-4)	0.16
9g	Did you feel worn out?	4 (3-4)	3 (2.5-3.5)	0.09
9h	Have you been happy?	2 (2-3)	3 (2-4)	0.17
9i	Did you feel tired?	3 (3-4)	3 (2-3)	0.07
10	During the past 4 weeks, how much of the time has your physical health or emotional problems interfered with your social activities (like visiting with friends, relatives, etc.)? 1 - All of the time; 2 - Most of the time; 3 - Some of the time; 4 - A little of the time; 5 - None of the time	5 (4-5)	4 (3.5-5)	0.46
How TRUE or FALSE is each of the following statements for you? 1 - Definitely true; 2 - Mostly true; 3 - Don't know; 4 - Mostly false; 5 - Definitely false				

11a	I seem to get sick a little easier than other people	4 (3-4)	3 (3-5)	0.88
11b	I am as healthy as anybody I know	3 (2-3)	2 (2-4)	0.77
11c	I expect my health to get worse	4 (3-5)	4 (3-5)	0.81
11d	My health is excellent	3 (2-5)	3 (2-4)	0.84

T1BrP - type 1 Brugada syndrome electrocardiogram pattern. *In the current study patients completed Polish language version of SF-36v2 questionnaire.*