

Use of the Aphasia Impact Questionnaire (AIQ21) in individuals with primary progressive aphasia: preliminary results



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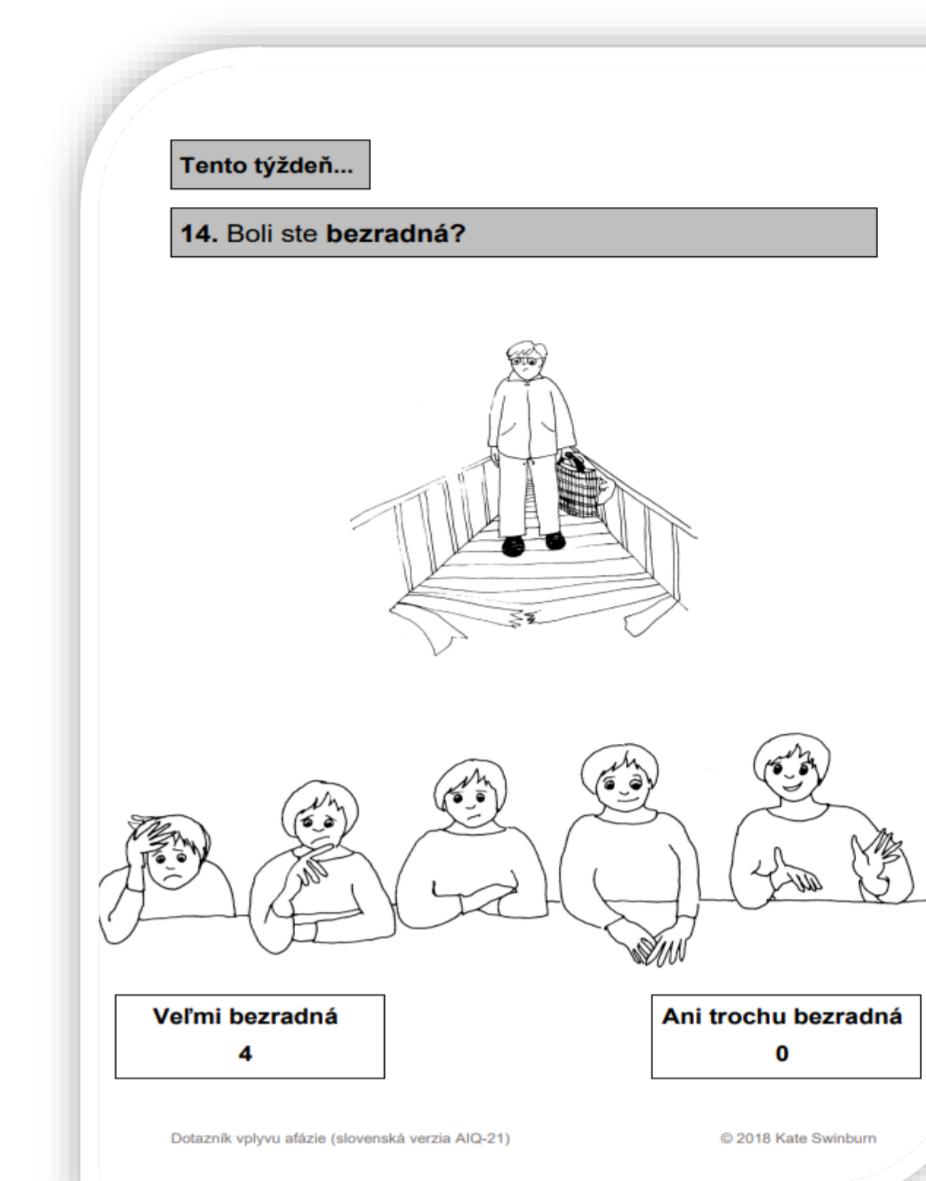
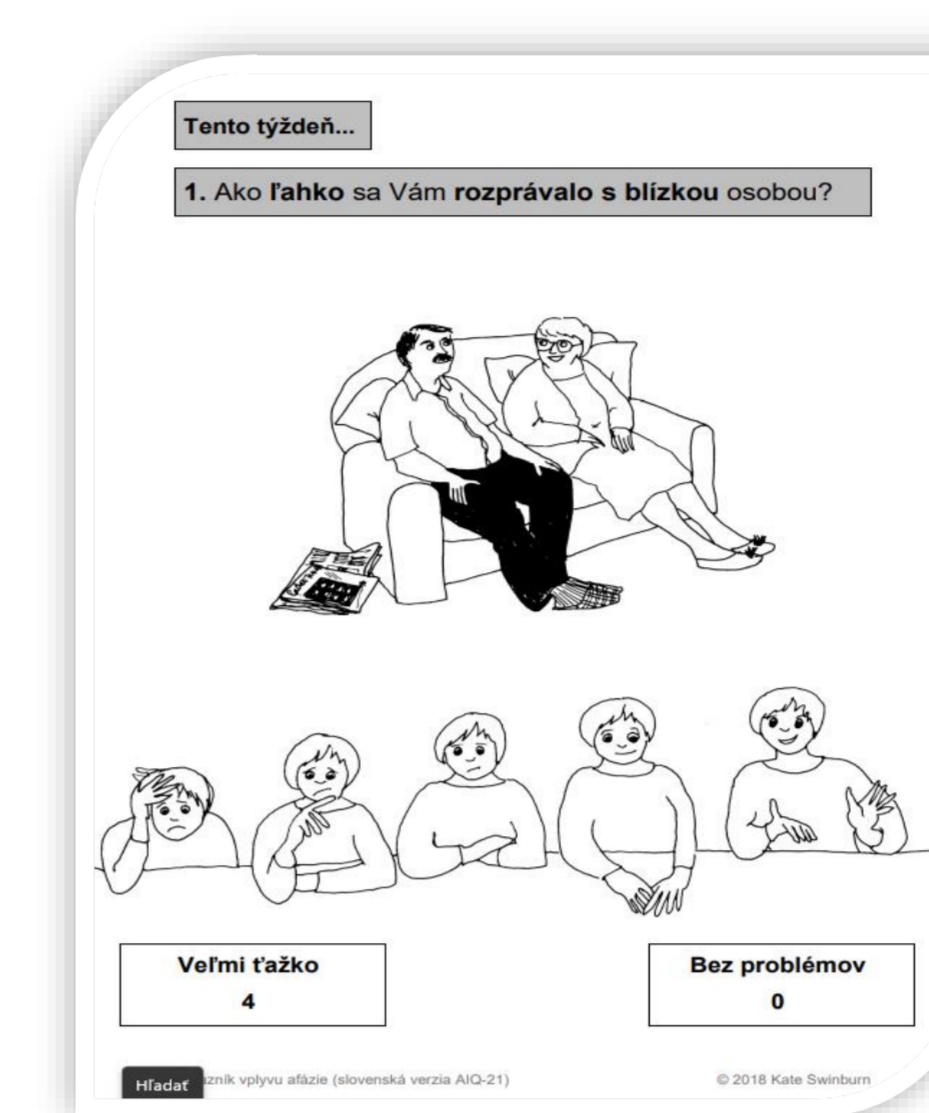
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State of art:

Patient-reported outcomes for persons with aphasia can bring valuable pieces of information for the implementation of a speech-language intervention. Our study aimed to explore the possibility of a clinical application using the Aphasia Impact Questionnaire-21 (AIQ-21; Swinburn K, et al.. Aphasiology. 2019;33) in persons with primary progressive aphasia (PPA).

Methods and sample:

We used the Slovak adaptation of the AIQ-21sk (Mackulin, Cséfalvay, Logopaedica, 2021) and conducted a semi-structured interview using the AIQ21 in five patients with different clinical phenotypes of PPA (two with nonfluent and one with semantic, and one with logopenic variant, and one with primary progressive apraxia of speech). Experienced SLTs administered the questionnaire to their patients.



Results:

AIQ-21 Aphasia Impact Questionnaire Summary Score Sheet (Before)		AIQ-21 Aphasia Impact Questionnaire Summary Score Sheet (Before)		AIQ-21 Aphasia Impact Questionnaire Summary Score Sheet (Before)		AIQ-21 Aphasia Impact Questionnaire Summary Score Sheet (Before)		AIQ-21 Aphasia Impact Questionnaire Summary Score Sheet (Before)	
Name ID.....		Name ID.....		Name ID.....		Name ID.....		Name ID.....	
Date..... Administrator.....		Date..... Administrator.....		Date..... Administrator.....		Date..... Administrator.....		Date..... Administrator.....	
Consent Obtained? (please tick)		Consent Obtained? (please tick)		Consent Obtained? (please tick)		Consent Obtained? (please tick)		Consent Obtained? (please tick)	
	yes	no		yes	no		yes	no	
	bad	good		bad	good		bad	good	
Communication		Communication		Communication		Communication		Communication	
1	Talk – closest	4 3 2 1 0	1	Talk – closest	4 3 2 1 0	1	Talk – closest	4 3 2 1 0	1
2	Talk – stranger	4 3 2 1 0	2	Talk – stranger	4 3 2 1 0	2	Talk – stranger	4 3 2 1 0	2
3	Understand – closest	4 3 2 1 0	3	Understand – closest	4 3 2 1 0	3	Understand – closest	4 3 2 1 0	3
4	Understand – stranger	4 3 2 1 0	4	Understand – stranger	4 3 2 1 0	4	Understand – stranger	4 3 2 1 0	4
5	Write a letter to friend	4 3 2 1 0	5	Write a letter to friend	4 3 2 1 0	5	Write a letter to friend	4 3 2 1 0	5
6	Read newspaper story	4 3 2 1 0	6	Read newspaper story	4 3 2 1 0	6	Read newspaper story	4 3 2 1 0	6
Participation		Participation		Participation		Participation		Participation	
7	Things you have to do	4 3 2 1 0	7	Things you have to do	4 3 2 1 0	7	Things you have to do	4 3 2 1 0	7
8	Positive things you do	4 3 2 1 0	8	Positive things you do	4 3 2 1 0	8	Positive things you do	4 3 2 1 0	8
9	Friends	4 3 2 1 0	9	Friends	4 3 2 1 0	9	Friends	4 3 2 1 0	9
10	Family	4 3 2 1 0	10	Family	4 3 2 1 0	10	Family	4 3 2 1 0	10
Emotional state/Wellbeing		Emotional state/Wellbeing		Emotional state/Wellbeing		Emotional state/Wellbeing		Emotional state/Wellbeing	
11	Frustrated	4 3 2 1 0	11	Frustrated	4 3 2 1 0	11	Frustrated	4 3 2 1 0	11
12	Worried	4 3 2 1 0	12	Worried	4 3 2 1 0	12	Worried	4 3 2 1 0	12
13	Unhappy	4 3 2 1 0	13	Unhappy	4 3 2 1 0	13	Unhappy	4 3 2 1 0	13
14	Helpless	4 3 2 1 0	14	Helpless	4 3 2 1 0	14	Helpless	4 3 2 1 0	14
15	Bored	4 3 2 1 0	15	Bored	4 3 2 1 0	15	Bored	4 3 2 1 0	15
16	Embarrassed	4 3 2 1 0	16	Embarrassed	4 3 2 1 0	16	Embarrassed	4 3 2 1 0	16
17	Angry	4 3 2 1 0	17	Angry	4 3 2 1 0	17	Angry	4 3 2 1 0	17
18	Isolated	4 3 2 1 0	18	Isolated	4 3 2 1 0	18	Isolated	4 3 2 1 0	18
19	Feel stupid	4 3 2 1 0	19	Feel stupid	4 3 2 1 0	19	Feel stupid	4 3 2 1 0	19
20	*Confident	4 3 2 1 0*	20	*Confident	4 3 2 1 0*	20	*Confident	4 3 2 1 0*	20
21	*Future	4 3 2 1 0*	21	*Future	4 3 2 1 0*	21	*Future	4 3 2 1 0*	21

mild lvPPA

mild nfaPPA

severe nfaPPA

moderate svPPA

severe PPAoS

- (1) All five patients reflected on the questionnaire as an excellent means of informing about the relevant areas of their lives in which aphasia interferes.
- (2) Not a single patient, including the patient with svPPA, had problems with expressing and evaluating the degree of difficulty.
- (3) During evaluation with AIQ21 patients pointed to significant limitations in several areas of activities and participation.
- (4) SLPs rated the information obtained as very valuable for more targeted interventions of patient needs.

Conclusion:

Use of the AIQ21 in patients with progressive speech and language impairment, can help to develop targeted conversation, to reveal a deeper understanding of the impact of PPA on patients' activities, participation, and emotional state, as well as the potential to gain insights to set goals for SLT interventions.

References:

- Swinburn K, et al. A Concise patient reported outcome measure for people with aphasia : the aphasia impact questionnaire 21. Aphasiology. 2019;33(9): 1035 – 1060.
Mackulin P, Brunclíková D, Cséfalvay Zs. Hodnotenie kvality života spojenej so zdravím u osôb s afáziou. Logopaedica. 2021;(2): 32 – 40.