

Preliminary Results of the Patients’ Perspectives toward PDAs Questionnaire for Subjects with Decisional Conflicts in Taiwan

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Introduction

Several studies have found that the patients’ perspectives toward patient decisional aids(PDAs) is significantly associated to decision making of patients with decisional conflicts.

Specific Aims

To evaluate the reliability and validity of Patients’ Perspectives toward PDAs Questionnaire Chinese version.

Subjects Enrollment and Methods

Figure 1. Subject enrollment in SDM project

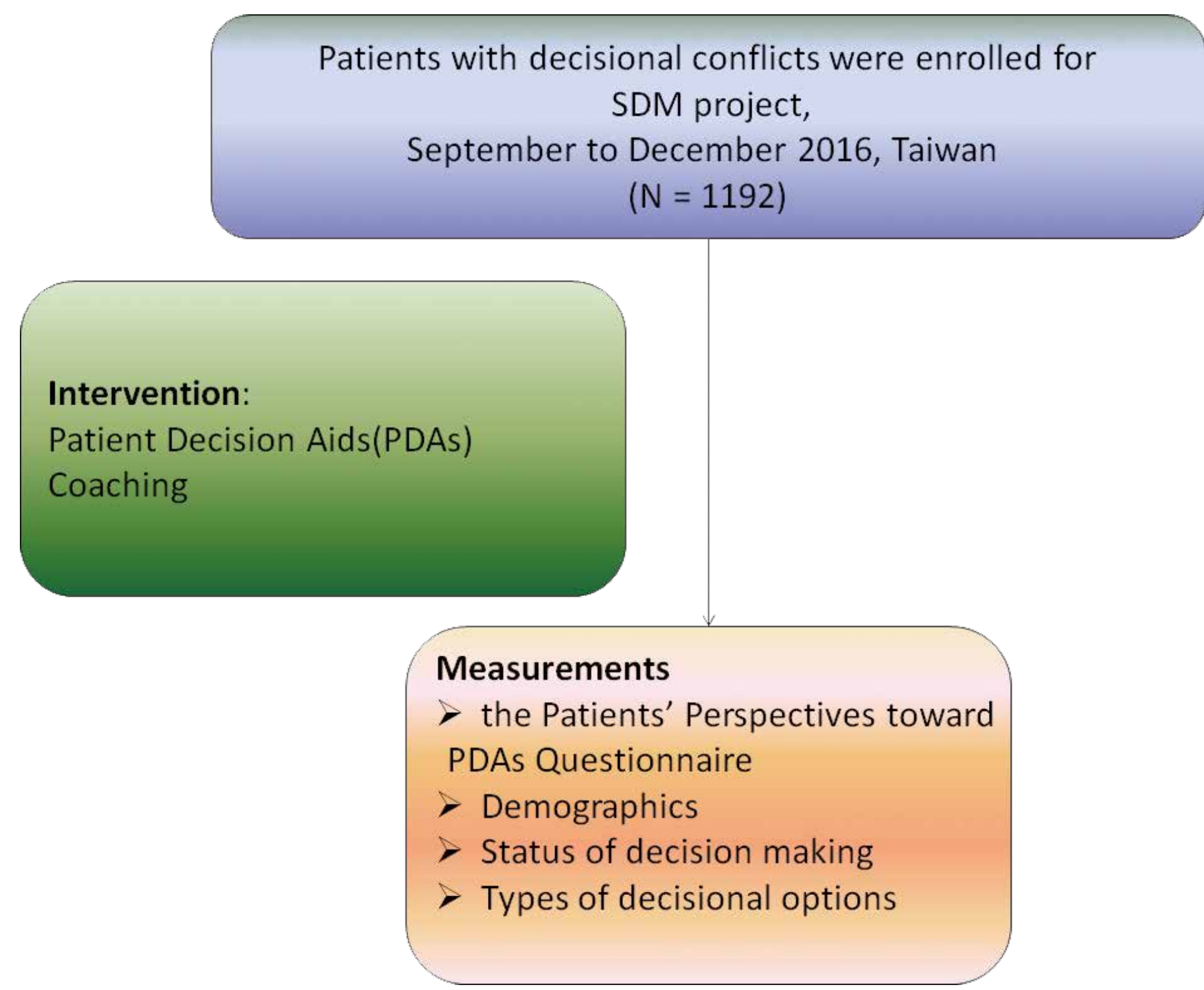


Table 1. The Patients’ Perspectives toward PDAs Questionnaire

Domain	Question	Scale
feeling supported in decision making	Q1: Do you feel the PDAs provide sufficient knowledge to help you face the current medical decision	5 Likert-scale (1-5) (Disagree-Agree)
feeling informed	Q2: Do you feel the PDAs help you more understand the benefits and risks of each medical options	
feeling clear about values	Q3: Do you feel the PDAs help you clarify what you are most concerned about each medical options	
feeling uncertain	Q4: Do you feel the PDAs help you make the optimal choice related to your health condition	

Results

Table 2.Item-to-item correlation of the Patients’ Perspectives toward PDAs Questionnaire

	Q1: Do you feel the PDAs provide sufficient knowledge to help you face the current medical decision	Q2: Do you feel the PDAs help you more understand the benefits and risks of each medical options	Q3: Do you feel the PDAs help you clarify what you are most concerned about each medical options	Q4: Do you feel the PDAs help you make the optimal choice related to your health condition
Q1: Do you feel the PDAs provide sufficient knowledge to help you face the current medical decision	1.000	0.726 (n=1192)	0.645 (n=1192)	0.585 (n=1192)
Q2: Do you feel the PDAs help you more understand the benefits and risks of each medical options	0.753 (n=120)	1.000	0.770 (n=1192)	0.661 (n=1192)
Q3: Do you feel the PDAs help you clarify what you are most concerned about each medical options	0.666 (n=120)	0.806 (n=120)	1.000	0.640 (n=1192)
Q4: Do you feel the PDAs help you make the optimal choice related to your health condition	0.699 (n=120)	0.684 (n=120)	0.704 (n=120)	1.000

Range: 0.6-0.8
Cronbach's Alpha (α) : 0.891 (n=1192) for all enrolled subjects
Cronbach's Alpha (α) : 0.911 (n=120) for random sampled subjects

Table 3. Concurrent Validity of the Patients’ Perspectives toward PDAs Questionnaire

Q1-Q4 of the Patients' Perspectives toward PDAs Questionnaire	Subjects who have made the decision after using PDAs	Subjects who have not made the decision after using PDAs
Number of participants	473	306
Sum	16.4±2.1*	14.8±2.9
min, max	8, 20	4, 20
mean±SD	4.1±0.5*	3.7±0.7
min, max	2-5	1-5

P-value for independent t-test; * p-value <0.001

References

- Legare F, Kearing S, Clay K, et al. "Are you SURE?: Assessing patient decisional conflict with a 4-item screening test." Can Fam Physician 2010;56: e308-14.
- Ferron Parayre A, Labrecque M, Rousseau M, Turcotte S, Legare F "Validation of SURE, a four-item clinical checklist for detecting decisional conflict in patients." Med Decis Making 2014;34: 54-62.

Conclusions

The four-item Patients’ Perspectives toward PDAs Questionnaire had good internal consistency, and proper criterion validity.
This tool appears to be a quick, useful instrument to identify patients with decision conflicts for providing support.

Acknowledgement

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Table 4. Associations between Patients’ Perspectives toward PDAs and Decision Making of Patients with Decisional Conflicts

	Total ² N(%)	Whether subjects have made the decision after using PDAs			OR	95%CI	P-value
		Yes N=473	No N=306	P-value			
Characteristics	N=1192						
Age				0.021			
<30	78(6.5)	27(5.7)	16(5.2)		1.00		
30-39	198(16.7)	69(14.6)	52(17.0)		0.97	0.45-2.10	0.932
40-49	212(17.7)	104(22.0)	45(14.7)		2.03	0.93-4.45	0.077
50-59	235(19.8)	96(20.3)	54(17.6)		1.69	0.76-3.77	0.202
60-64	217(18.2)	85(18.0)	52(17.0)		1.47	0.64-3.36	0.360
>65	252(21.1)	92(19.5)	87(28.4)		1.28	0.55-2.97	0.562
Gender				0.321			
male	509(42.7)	204(43.1)	121(39.5)		1.00		
female	683(57.3)	269(56.9)	185(60.5)		0.79	0.57-1.10	0.161
Education				<0.001			
primary education or lower	265(22.2)	84(17.8)	91(29.7)		1.00		
junior or senior college or above	474(39.8)	201(42.5)	121(39.5)		1.61	1.03-2.54	0.037
college or above	453(38.0)	188(39.7)	94(30.7)		2.02	1.19-3.41	0.009
Decisional options				<0.001			
operations	535(44.9)	199(42.1)	185(60.5)		1.00		
operations, and medication	264(22.1)	134(28.3)	60(19.6)		2.49	1.67-3.71	<0.001
medications	252(21.2)	120(25.4)	42(13.7)		3.62	2.31-5.70	<0.001
screening	141(11.8)	20(4.2)	19(6.2)		0.95	0.47-1.91	0.879
the Patients' Perspectives toward PDAs Q1-Q4 score				<0.001			
≤15	403(33.8)	115(24.3)	152(49.7)		1.00		
>15 ¹	789(66.2)	358(75.7)	154(50.3)		3.27	2.35-4.55	<0.001

The higher level of the sum of the Patients' Perspectives toward PDAs Questionnaire score was categorized by using the cut off value determined from receiver operating characteristic (ROC) curve
Total subjects includes 413 patients who have mad the decision before using PDAs
OR: odds ratio; CI: confidence interval; OR and 95%CI were estimated in the multiple logistic regression model.