Validity and Reliability of Thai Version of Questionnaire Measuring Self-efficacy for Appropriate Medication Use Scale among Thai patients with post-myocardial infarction

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Purpose: The purpose of this study was to translate the self-efficacy for an appropriate medication use scale into Thai, and then examine the validity and reliability of this version of the questionnaire.

Methods: Responses to the 13-item Thai version of the self-efficacy for appropriate medication use scale (SEAMS) were collected from 100 Thai patients with post-MI. None of the 13 items violated any assumption for factor analysis. Hypothetical exampling and factor analysis were performed.

Results: Factor analysis revealed three components for determining the self-efficacy for medication adherence: the patient's self-confidence (six items), complexity of medication (four items), and daily life change (three items). The instrument used showed acceptable validity and reliability.

Conclusion: the SEAMS may be used in the clinic to measure self-efficacy for appropriate medication use scale among Thai patients with post-MI.

Factor analysis with varimax rotation of the Self-efficacy for Appropriate Medication Use Scale (N = 100).

ltems		Dimensions	
	1	2	3
1. When you take several different medicines each day.		.700	
2. When you take medicines more than once a day.	.810		
3. When you are away from home.			.670
4. When you have a busy day planned.			.878
5. When they cause some side effects.		.589	.517
6. When no one reminds you to take the medicine.	.599		.586
7. When the schedule to take the medicine is not	.622		.487
convenient.			
8. When your normal routine gets messed up.			.599
9. When you are not sure how to take the medicine.		.904	
10. When you are not sure what time of day to take		.866	
your medicine.			
11. When you are feeling sick (you know, like having	.741		
a cold or the flu).			
12. When you get a refill of your old medicines and	.842		
some of the pills look different than usual.			
13. When a doctor changes your medicines.	.850		

Note. Factor loading > .40 are in boldface.