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Translation, and Validation of Perceived Obstacles to Pain Assessment and Management Practices Questionnaire among Vietnamese Nurses

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ABSTRACT

Introduction: Barriers ralated to patients, physian, nurses, and health system were the mostly responded by nurses as factors influencing them in pain management for patients. So, the valiable and riliable questionnaire is verry importence to measure the perception of Vietnamese nurses about pain management barriers

The study objective: was to translate, adapt and conduct initial psychometric validation of the Vietnamese version of Perceived Obstacles to Pain Assessment and Management Practices questionnaire (V-POPAMP).

Material and method: Translation, adaptation, and validity and reliability testing were performed . 6 expert panels evaluated content validity, and I-CVI, SCVI were applied to measured the content validity. The Cronbach alpha and ICC were used to measured for intenal consistence and stable reliability of V-POPAMP, respectively. A sample of 30 nurses was sellected in prepilot testing, and 30 other nurses participted in pilot testing.

Results: The study found that I-CVI of each item ranged from 0.83-1 and S-CVI =0.96, indicating the V-POPAMP is good content validity. In addition, the V-POPAMP is good reliability, with Cronbach alpha for each subscale of 0.729 and more, and ICC for total score was 0.952 and for each subscale ranges from 0.822 to 0.984(p=.000)

Conclusion:The V-POPAMPQ has good psychometric properties. It can be used to measure the perception of nurses about pain management barriers in Vietnam.

KEYWORDS: Obstacles, berrier, pain, management, nurse

INTRODUCTION

Pain was one of the main reasons lead patients were hospitalized (accounting for 71.6% of hospitalized patients)^[1]. During hospitalization, 55-78.6% of patients experienced moderate to severe pain^[2]. Especially, The state of patients with uncontrolled pain after surgery in developing countries accounts for a high rate of 47-100%^[3]. Without proper pain management, it can affect both physical and mental health of patients, as patients can experience pain-related emotional reactions such as insomnia, anxiety, and despair. Or for untreated acute pain there are additional risks such as increased morbidity, slow recovery time, prolonged opioid use, higher health care costs, and development chronic pain^[4].

Although nurses do not have right to prescribe treatment for patients when they are in pain. However, nurses make a great contribution to timely detection and management of pain for patients because most of the time patients stay in the hospital directly contact with nurses^[5]. However, many studies indicated that pain management practice of nurses for patients was still low and inadequat. For example in the research of Wuni & CS 2020 revealed 42.2% of nurses demonstrated poor pain management practices^[6]. In other study, the authors found out 97.6% of nurses used only basic nursing techniques and rarely used analgesics in pain relief for patients^[7].

Nursing practice of pain management was hindered by many barrier factors. In a systematic review, barrier factors were divided into 4 groups: Barriers belonging to nurses, physians , patients and factors belonging to the system^[8]. The results

ARTICLE DETAILS

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of this study was similar to a previous study result of Ortis, Carr. & Dikareva (2014) conducted a review of studies from 2003-2013 and also pointed out three main barriers obstacled nurses practicing pain management for patients included: patient, medical staff and health system[⁹].

In the literature review, there were many instruments that applied to measure the berriers affect to nurses practice pain management such as The Pain Management Activities Questionnaire^[10], Berriers to Optional Pain Management tool^[11], Perceived Obstacles to Pain Assessment and Management Practices questionnaire (POPAMPQ)^[12].

To the best of our knowledge, there is not yet any research instrument to measure the perception of nurse about nursing pain management practice berriers that used or developed in Vietnam. Therefore, a valuable and reliable of tool is needed. Among the questionnaires above, the POPAMPQ^[12] was chosen to tested the validity and reliability among Vietnamese nurses because it was gone through a rigorous developmental process and covers all dimensions of barriers that nurses mostly responded. Otherwise, it was used in many contries such as Poland^[13], Turkey^[14], United States^[15]. Original questionnaire was analyzed in terms of factor accuracy, internal coherence and discriminating strength. The psychometric parameters obtained were satisfactory^[12]. Cronbach's reliability a coefficient – values of 0.7 and more^[13].

The objectives of the study were to translate the POPAMPQ from English into Vietnamese language and to test its psychometric properties to enable different dimensions of POPAMPQ to be assessed on Vietnamese nurses.

METHODOLOGY

Study design and setting

A cross-sectional descriptive study was applied at Hai Duong Medical Technical University hospital and Hai Duong provincial general hospital from March to May in 2022

Samples and sample size

Arcording to reccommedation of Tsang, & et.al.(2017), the sample size appropriate for pre-pilot testing and pilot testing is 30 -50 samples^[16]. In this study we sellected 30 nurses who participated in assessing the clarity and understood of the translation POPAMPQ, and 30 other nurses who had practice certificates, and had at least 1 year of experience in nursing care patient participated in the reliability test phase

Measurement

The POPAMPQ was developed by Coker, & $CS(2010)^{[12]}$. It contains 40 items and grouped into different subscales included patient-related barriers (11 Items); barriers related to physian (5 Items), barriers related to nurse (14 items), and barriers related to the health system (10 items)^[13] (Dabrowka, Wioletta; Dąbrowski, & CS. 2017). Each item is assessed how often the obstacles defined by nurses on a 7-point scale: 1=Never interferes; 2= Very rarely interferes; 3= Rarely

interferes; 4= Occasionally interferes; 5= Frequently interferes; 6= Verry frequently interferes; 7= Alwways interferes. The original english POPAMPQ version was tested in term of factor accuracy, internal coherence and discriminating strength^[12]. The psychometric parameters obtained were satisfactory. Cronbach's reliability a coefficient equaled to 0.7 and more^[13].

Translation

POPAMPQ was translated in accordance with World Health Organization(WHO) best practice guidelines^[17], which includes a forward translation into Vietnamese language followed by a backward translation into the original English language. The translation process was done through steps as follows:

First step: The original English POPAMPQ was independently translated into Vietnamese POPAMPQ (V-POPAMPQ) by two experts who are nursing lecturers, they are fluent in common English and English for nursing, and their mother tongue is Vietnamese.

Second step, two V- POPAMPQ were synthesised by two translators above and researchers to resolved any variences in the translations.

Thirt step, the backward translation was done by two bilingual experts in both Vietnam and English languge, they are English lecturers. As the WHO recomended, they had had no exposure to the original English questionnaire.

Fourth step, all translations were reviewed by expert committe. Members of committe inculuded: both the forward and backward translators, one nursing doctor she work as a nurse and lecturer, and researcher. The committe compared all versions of the translations and determine whether the translated and original versions achieve semantic, idiomatic, experiential, and conceptual equivalence. Any differences were resolved within a agreement discussion. The expert committe agreed to cutoff the words "older adult" in each question that can apply to a hospitalized adult of any age. After that the prefinal translated version was produced.

The fifth step, prefinal Vietnam version was done preliminary pilot testing on 30 nurses who work at Hai Duong Medical Technical University Hospital to make sure that the translated items retained same meaning as the original items, and ensure all translated items were easily clarified. Participants rated the understanding of each item on a 4-point Likert Scale: "0 - I don't understand anything; 1 - I understand a little bit; 2 - I understand more; 3 - I understand most of items but have some doubts; 4 - I fully understand and I have no doubts". The results showed that 30 nurses rated at level 4 - they fully understood and had no doubts when reading the prefinal translated version.The final translated was produced. The processing of translation and adaptation was prented below. (Figure 1)

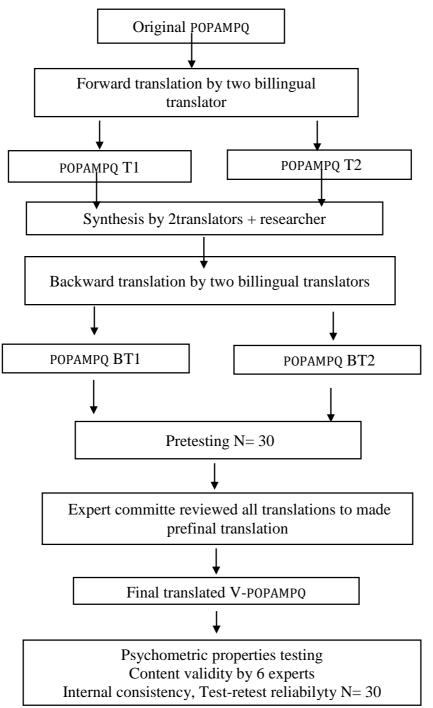


Figure 1. Translation, adaptation and psychometric properties testing procedure the original POPAMPQ and V-POPAMPQ were added in the appendix

Content validity

As recommended by the author Ikart (2019)^[18], the number of evaluators to calculate the content validity ranges from 2-20 experts. Based on Ikart's (2019) expert selection criteria, in this study, we selected 6 experts. These experts have more than 10 years of experience, working in different departments, hospitals, universities, including:3 experts with master's / specialty 1 degree in nursing work at hospitals, 2 experts have nursing doctor degree who have experiences in researching and pain caring, one Assoc.Prof.Dr. Physician who have more than 30 years in taking care for patiens in pain and researching. 6 experts assessed the relevance of the questionnaire in the Vietnam cultural context by rate CVI of each item as follow: 1= not relevant; 2=somewhat relevant; 3= Quite relevant; 4=hightly relevant. The items get a score 3 or 4 was difiened as relevant, and the items get a score 1 or 2 meaned that not relevant. The content validity index I-CVI and S-CVI was calculated for the V-POPAMPQ. Acceptance scores for I-CVI and S-CVI are 0.78 and 0.9, respectively^{[19], ^[20].}

Reliability

The pilot study for reliability of V- POPAMPQ was test on 30 nurses who work at to obtained data for analying internal consistency reliability and test-retest reliability. The repeated

testing was done on same paticipants in a one week interval^[21]. The nurses rated for each item on a 7point- sacle: 1=Never interferes; 2= Very rarely interferes; 3= Rarely interferes; 4= Occasionally interferes; 5= Frequently interferes; 6= Verry frequently interferes; 7= Always interferes

Internal consistency reliability was measured by using Cronbach's α for each subscale. Cronbach's $\alpha \ge 0.7$ is considered acceptable, with $\alpha \ge 0.8$ considered good, but $\alpha \ge 0.9$ suggesting potential redundancy among scale items^[22]. Otherwise, in each subscale the item-subscale correlation coefficients tested for the homogeneity of the subscale. The item - subscale correlation coefficients were between 0.3 and 0.7, indicating accepable item. If coefficients were less than 0.3 those items were cut off, also if coefficients were more than 0.7 it indicated repetition^[23].

Intraclass correlation coefficient was used to measured test - retest reliability(ICC) with two-way mix model, absolute

agreement method for total score and subscale score. ICC values less than 0.5 are indicative of poor reliability, values between 0.5 and 0.75 indicate moderate reliability, values between 0.75 and 0.9 indicate good reliability, and values greater than 0.90 indicate excellent reliability^[24].

Statistical analysis was done using excel and SPSS Statistics software package, version 25. For the level of statistical significance, the *p*-value ≤ 0.05 .

RESULTS

The result of study revealed that 30 nurses paticipated in pilot testing most of them were female, 86.7%, and 70.0% had bachelor degree, 63.3 % had working experience from 5-10 years. Especially, 100% (n=30) nurses participating in the study have not attended any training course related to pain management. The detaile was showned in table 1

Socio-demogaphic characteristics of paticipants		
Characteristics	Number	%
Sex		
- Nam	4	13.3
- Nữ	26	86.7
Educational status		
- College	0	0.0
- University	21	70.0
- Postgraduate	9	30.0
Working experience(yrs)		
- 1- 5 years	4	13.4
- 5-10 years	19	63.3
$-\geq 10$ years	7	23.3
Participate in pain management training		
- Yes	30	100
- No	0	0

Content validity:

Each item of V- POPAMPQ had CVI more than 0.78. There were 31 items had CVI equal to 1.0 and 9 items had CVI of

0.83. Therefore, the S-CVI equaled to [(31 x1) + (9 x0.83)]: 40 =0.96(>0.9). The detaile of CVI was prented in table 2

Table 2.	Content	validity	of the	v-	QPOPM
I abic 2.	content	vanuity	or the	• -	VI UI MI

Items	Obtained score (CVI)	
Item1	1(>0.78)	
Item.2	1(>0.78)	
Item.3	1(>0.78)	
Item.4	1(>0.78)	
Item.5	1(>0.78)	
Item.6	1(>0.78)	
Item.7	0.83(>0.78)	
Item.8	1(>0.78)	
Item.9	1(>0.78)	
Item.10	1(>0.78)	
Item11	1(>0.78)	

Item.12	0.83(>0.78)
Item.13	0.83(>0.78)
Item.14	0.83(>0.78)
Item.15	1(>0.78)
Item.16	1(>0.78)
Item.17	0.83(>0.78)
Item.18	1(>0.78)
Item.19	1(>0.78)
Item.20	1(>0.78)
Item.21	1(>0.78)
Item.22	1(>0.78)
Item.23	1(>0.78)
Item.24	0.83(>0.78)
Item.25	0.83(>0.78)
Item.26	1(>0.78)
Item.27	1(>0.78)
Item.28	1(>0.78)
Item.29	1(>0.78)
Item.30	1(>0.78)
Item.31	0.83(>0.78)
Item.32	1(>0.78)
Item.33	0.83(>0.78)
Item.34	1(>0.78)
Item.35	1(>0.78)
Item.36	1(>0.78)
Item.37	1(>0.78)
Item.38	1(>0.78)
Item.39	1(>0.78)
Item.40	1(>0.78)

The Cronbach Alpha value was calculated to measured for internal consistence reliability of V- POPAMPQ. There were 4 subscales in V- POPAMPQ. Therefore, the Cronbach Alpha value was calculated independently for each subscale.

Cronbach's α of the subscales were all more than 0.70. Most items in each subsale had item-subscale correlation cofficient value greater than 0.3. The detaile was showned in table 3

Table 3: Intenal consistence reliability of V- POPAMPQ

Items	Corrected Item-Subscale Correlation	Cronbach's Alpha if Item Deleted
Barrier re	lated to patient (Cronbachalpha =0.82)	-
Item1	.697	.788
Item.2	.626	.797
Item.3	.492	.810
Item.4	.490	.811
Item.5	.568	.803
Item.6	.443	.815
Item.7	.395	.819
Item.8	.469	.817
Item.9	.441	.816
Item.10	.466	.814
Item.11	.426	.817
Barrier re	lated to phycian (Cronbachalpha =0.729)	
Item.12	.357	.727
Item.13	.384	.720

Item.14	.686	.591
Item.15	.412	.713
Item.16	.631	.625
Barrier rel	ated to nurse (Cronbachalpha =0	.84)
Item.17	.545	.827
Item.18	.404	.836
Item.19	.401	.836
Item.20	.566	.826
Item.21	.604	.822
Item.22	.448	.833
Item.23	.438	.834
Item.24	.491	.830
Item.25	.431	.834
Item.26	.371	.837
Item.27	.337	.839
Item.28	.333	.839
Item.29	.654	.819
Item.30	.649	.818
Barriers re	elated to health system(Cronbach	
Item.31	.377	.809
Item.32	.349	.810
Item.33	.459	.797
Item.34	.650	.776
Item.35	.527	.790
Item.36	.610	.780
Item.37	.508	.793
Item.38	.536	.789
Item.39	.476	.798
Item.40	.470	.797

Test- retest reliability was to determined on 30 nurse sample to examine the stability of V- POPAMPQ. In the first test, the mean total score of the 40 Items was 116.63(SD=16.69) and 117.33 (SD = 20.44) in the second test. The stability of V-

POPAMPQ was assessed via a two-way mixed effects ICC, ICC of total V- POPAMPQ =0.95, and for each subscale of 0.822 to 0.984(p=.000). The detaile was presented in table 4

Table 4 Test-retest reliability of V- POPAMPQ

	Intraclass	class 95% Confidence Interval			F Test with True Value 0					
	Correlation	Lower Bound	Upper Bound	Value	df1	df2	Sig			
Average Measures of	.953	.901	.978	20.700	29	29	.000			
Total V-QPOPM										
Average Measures of	.896	.781	.950	9.603	29	29	.000			
Barrier related to patient										
Average Measures of	.822	.626	.915	5.623	29	29	.000			
Barrier related to phycian										
Average Measures of	.984	.967	.992	62.923	29	29	.000			
Barrier related to nurse										
Average Measures of	.952	.900	.977	20.969	29	29	.000			
Barriers related to health										
system										

DISCUSSION

The purpose of this study was to translate, adapt, and evaluate the psychometric properties of a Vietnamese version of the POPAMPQ (V- POPAMPQ) using a sample of nurses from Hospital of Hai Duong Medical Teachnical University hospital and Hai Duong provincial general hospital. We found that the V- POPAMPQ had had good psychometric properties.

The development of the V- POPAMPQ involved a rigorous validation process. First of all, the V- POPAMPQ was translated based on standard procedure guideline of WHO^[17], reviewed by expert committe and then prefinal V-QPOPM was tested on nurses to evaluate the intelligibility of the translation tool before performing the validity and reliability testing. The result showed that 40 items of prefinal V-POPAMPQ were rated at level of fully understand and have no doubts. The CV was also established through the 6 expert panels. The experts participated not only in rating CVI of all items but also suggested possible improvements. All 40 items had a CVI range from 0.83-1 and S-CVI equaled to 0.96, indicating the V- POPAMPQ had a good content validity^{[19], [20]}.

To ensure the internal reliability, the Cronbach's α was calculated. Each subscale had cronbach alpha range from 0.73-0.84 with this result indicated that the POPAMPQ was an acceptable level of internal reliability instrument. Otherwise, the Item-subscale correlation more than 0.3 and less than 0.7, meaned that no items of V-POPAMPQ scale were removed and repeated^[23], and also indicating that the scales have similar psychometric properties for different populations.

The study result also revealed a excellent test - retest reliability with ICC = 0.95. For the each subscale, the ICC value range from 0.822 to 0.984(p=.000). These finding suggest an excellent level of stability for the questionnaire, and good to excellent level of stability for each subscale between two times test^[24].

Compared with previous study, the our study results consistence with original english QPOPM version testing. The POPAMPQ was tested the psychometric parameters obtained were satisfactory. Cronbach's reliability a coefficient – values of 0.7 and more^[13].

By now, this is the first study performed translated, adapted and validated the POPAMPQ in Vietnam. With the results were revealed above, indicating the V-POPAMPQ is a valuable and riliable questionnaire. However, this study had some limittation such as study only was done on nurses who work at Hai Duong province, so the results may be not generlization for all nurses in Vietnam. Inaditional, in processing of translation without native english language speaker translators, and primary author of POPAMPQ paticipated in expert committe, its may be lead to some differences with native English language speakers and original author. Other more limittation is our study did not test contruct validity of V-POPAMPQ to ensure the strongest validity.

CONCLUSION

In summary, the V-POPAMPQ has good psychometric properties. It can be to measure the perception of nurses about pain management barriers. Further studies should test the contruct validity of V-POPAMPQ to ensure the strongest validity.

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CONFLICT OF INTEREST

The authors confirm that there are no conflicts of interest in this study.

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APPENDIX

Original questionaire:

Nurses' Perceived Obstacles to Pain Assessment and Management Practices Questionnaire (Cocker, Papaioannou, Kaasalainen, & CS. 2010)

Your colleagues have reported that a number of factors may interfere with optimal assessment and management of pain in older adults. Please circle the number under the heading which best describes the frequency with which you think the *Journal of Pediatric Hematology/Oncology*. 2011; 33(1): S33–S38.

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following barriers interfere with optimal pain assessment and management practices with older adults on your unit.

1= Never interferes; 2= Very interferes; 3= Rarely interferes; 4=Occasionally interferes; 5=Frequently interferes; 6= Very frequntly interferes; 7= Always interferes

No	Barriers	1	2	3	4	5	6	7
	nt-related barriers (11 items)	1	-	5		5	U	
1	Older patients' difficulty with completing pain scales (e.g., 0-10)		[[
2	Older patients' reluctance to take pain medication for fear of							
-	addiction							
3	Older patients not wanting to bother the nurses							
4	Older patients denying their disease process by denying pain							
5	Older patients' willingness to put up with chronic pain							
6	Older patients' reluctance to take pain medications because of side							
	effects (e.g., constipation, how it makes them feel, etc.)							
7	Patients reporting their pain to the doctor, but not to the nurse							
8	Difficulty assessing pain in older people due to language barriers							
9	Difficulty assessing pain in older people due to problems with							
	cognition (delirium, dementia, etc.)							
10	Difficulty assessing pain in older people due to sensory problems							
	(hearing deficits, vision deficits, etc.)							
11	Difficulty assessing pain in older people due to alterations in mood							
	(depression, etc.)							
Physi	cian-related barriers (5 items)							
12	Physicians' lack of trust in the nursing assessment of pain in older							
	patients							
13	Physicians' lack of knowledge and experience with prescribing							
	pain medications							
14	Physicians' reluctance to prescribe adequate pain relief in older							
	patients for fear of overmedicating those with dementia or delirium							
15	Antipsychotics are considered before pain medications in agitated							
	patients							
16	The "older person is dying anyway" attitude among colleagues on							
	the unit							
Nurse	e-related barriers (14 items)							
17	Difficulty contacting or communicating with physicians to discuss							
	pain assessment findings in older patients							
18	Difficulty contacting or communicating with physicians to discuss							
	treatment of pain in older patients							
19	Not expecting pain in older patients on our unit unless the diagnosis							
	provides a clue to pain as a potential symptom							
20	Difficulty believing pain reports by older patients because they are							
	inconsistent from one time to the next, and do not match their non-							
	verbal behaviour							
21	Not knowing how much pain is acceptable to each older patient							
	(e.g., pain tolerance, discomfort level)							
22	Not knowing older patients' pain levels due to inadequate time							
22	spent with them							
23	Not knowing whether to believe the older patient's pain report or the femily's percention of the percent's pain instead							
24	the family's perception of the person's pain instead							
24	Concentrating on administering regularly scheduled medications and not checking for and offer ing p r p, pain relief unless the							
	and not checking for and offer- ing p.r.n. pain relief unless the patient requests it							
25	My own reluctance to give pain medication to older patients for							
23	fear of overmedicating							
1	iou or or or inconcating	I	1	1	1		1	i i

26	Inconsistent practices around giving p.r.n. medications for an older					
	patient (because the deci- sion to administer pain medication is up					
	to the assigned nurse, and varies from one to another)					
27	Uncertainty about how to best time the administration of p.r.n. pain					
	medications when ordered along with scheduled pain medications					
	in older patients					
28	Not having a consistent way of receiving tips from nurses on					
	previous shifts about pain assess- ment and management strategies					
	for each of my older patients					
29	Lack of clinical confidence in assessing a variety of types of pain					
	in older patients					
30	The tendency to document only if pain relief is not achieved or if					
	the patient refuses pain medi- cation					
Heal	thcare system-related barriers (10 items)					
31	Lack of opportunity to consult with clinical pharmacist about pain					
	relief in older patients					
32	Disorganized system of care (e.g., having to hunt for narcotic keys,					
	obtain co-signatures, find drugs, etc.)					
33	Not having a consistent way of assessing pain, from one time to the					
	next, in each older patient					
34	Not having policies/procedures/guidelines that contribute to my					
	knowledge of acceptable best practices around pain assessment and					
	management in older adults					
35	Not having a documented approach to pain assessment for each					
	older patient					
36	Not having a documented pain treatment plan for each older patient					
37	Unavailable comfort measures as alternatives/supplements to pain					
	medications in older patients (e.g., hot/cold packs, mattresses,					
	chairs)					
38	Inadequate time to deliver non-pharmacologic pain relief measures					
39	Inadequate time for health teaching with older patients (e.g., p.r.n.					
	drug order, alternatives, addiction, etc.)		1			
40	Lack of opportunity to discuss an older patient's pain management		1	1	l	
	directly with care team		1			
	1					

Vietnamese version of Perceived Obstacles to Pain Assessment and Management Practices Questionnaire Nhận thức của điều dưỡng về rào cản ảnh hưởng đến thực

hành quản lý đau(Cocker, Papaioannou, Kaasalainen, & CS. 2010)

Anh/chị vui lòng khoanh tròn con số dưới tiêu đề mô tả chính xác nhất tần suất mà anh/chị cho rằng các rào cản sau đây cản trở việc thực hành đánh giá và quản lý cơn đau tối ưu đối với người bệnh trong đơn vị của anh/chị.

- 1= Không bao
- $2 = R \acute{a}t hi\acute{e}m khi$
- 3 = Hiếm khi
- 4 = Thỉnh thoảng
- 5 = Thường xuyên
- $6 = R\acute{a}t$ thường xuyên
- 7 = Luôn luôn

ТТ	Nội dung	1	2	3	4	5	6	7
Rào (cản thuộc bệnh nhân(11 câu)							
1	Bệnh nhân gặp khó khăn khi hoàn thành thang điểm đau							
2	Bệnh nhân ngại uống thuốc giảm đau vì sợ nghiện							
3	Bệnh nhân không muốn làm phiền điều dưỡng							
4	Bệnh nhân phủ nhận tình trạng bệnh của họ bằng cách phủ nhận							
	bản thân đang bị đau							Í Í
5	Bệnh nhân sẵn sàng đối mặt với cơn đau mãn tính							

6	Bệnh nhân ngại dùng thuốc giảm đau vì các tác dụng phụ (ví dụ:				
	táo bón v.v.)				
7	Bệnh nhân thông báo cơn đau của họ cho bác sĩ, nhưng không cho				
	điều dưỡng				
8	Khó đánh giá cơn đau ở một số người bệnh có rào cản về ngôn ngữ				
9	Khó đánh giá cơn đau ở người bệnh do các vấn đề về nhận thức				
	(hôn mê, sa sút trí tuệ,				
10	Khó đánh giá cơn đau ở người bệnh do các vấn đề về giác quan				
	(nghe kém, giảm thị lực, v.v.)				
11	Khó đánh giá cơn đau ở một số người bệnh có do tâm trạng thay				
	đổi(trầm cảm, v.v)				
Rào	cản thuộc về bác sỹ(5 câu)	 	-		
12	Sự thiếu tin tưởng của bác sĩ khi điều dưỡng đánh giá mức độ đau				
	ở bệnh nhân				
13	Bác sĩ thiếu kiến thức và kinh nghiệm kê đơn thuốc giảm đau				
14	Bác sĩ miễn cưỡng kê đơn thuốc giảm đau đầy đủ cho bệnh nhân				
	vì sợ phải điều trị quá mức cho những người bị sa sút trí tuệ hoặc				
	mê sảng				
15	Thuốc chống loạn thần được bác sỹ xem xét trước khi dùng thuốc				
	giảm đau ở bệnh nhân kích động				
16	Thái độ của một số đồng nghiệp đối với người già, bệnh nặng dù				
	sao cũng chết nên ít chú ý đến giảm đau cho họ				
	cản thuộc về điều dưỡng(14 câu)				
17	Điều dưỡng khó liên lạc hoặc giao tiếp với bác sỹ khi phát hiện				
	bệnh nhân đang bị đau				
18	Khó liên lạc hoặc trao đổi với bác sĩ để thảo luận về cách điều trị				
10	cơn đau ở bệnh nhân	 		 	
19	Không thấy cơn đau ở người bệnh trừ khi chẩn đoán cung cấp bằng				
20	chứng đau là triệu chứng tiềm ẩn				
20	Khó tin các báo cáo về cơn đau của bệnh nhân vì chúng không nhất				
	quán từ lần này sang lần khác và không khớp với hành vi không lời của ho				
21	Không biết mức độ đau có thể chấp nhận được đối với mỗi bệnh				
21	nhân(ví dụ: khả năng chịu đau, mức độ khó chịu)				
22	Không đủ thời gian bên người bệnh nên không biết mức độ đau của				
22	ho				
23	Không biết nên tin vào báo cáo đau từ bệnh nhân hay người nhà	 			
23	bệnh nhân				
24	Thực hiện thuốc cho người bệnh chủ yếu chỉ tập trung vào các	 <u> </u>		 	
	thuốc dùng thường xuyên mà không chú ý đến cung cấp thuốc giảm				
	đau cần thiết trừ khi người bệnh yêu cầu				
25	Khi cho người bệnh dùng thuốc giảm đau tôi rất dè dặt vì sợ quá	 		 	
	liêu				
26	Thực hành cho người bệnh dùng thuốc không nhất quán trong khoa				
-	vì thực hiện cho người bệnh dùng thuốc phụ thuộc vào điều dưỡng				
	phụ trách chăm sóc và phụ thuộc vào từng loại thuốc				
27	Tôi không chắc chắn về thời gian tốt nhất cho người bệnh dùng				
	thuốc giảm đau thông thường khi được kê đơn dùng cùng với thuốc				
	giảm đau theo lịch trình				
28	Điều dưỡng bàn giao về quản lý đau cho người bệnh giữa các ca				
	trực không nhất quán nhau				
29	Thiếu tự tin về mặt lâm sàng trong việc đánh giá nhiều loại đau ở	 			
	bệnh nhân.				

30	Xu hướng chỉ ghi lại trong hồ sơ bệnh án nếu không đạt được hiệu				
	quả giảm đau hoặc nếu bệnh nhân từ chối thuốc giảm đau				
Rào	cản thuộc Hệ thống(10 câu)				
31	Thiếu cơ hội hỏi ý kiến được sĩ lâm sàng về cách giảm đau ở bệnh				
	nhân.				1
32	Quản lý thuốc giảm đau chưa khoa học ở khoa/phòng(Phải tìm chìa				
	khoá tủ thuốc gây nghiện, xin chữ ký khi dùng thuốc gây nghiện,				n.
	thuốc để không đúng nơi quy định)				1
33	Không có một cách đánh giá cơn đau nhất quán, từ lần này đến lần				
	khác, ở mỗi bệnh nhân				
34	Bệnh viện không có quy trình/hướng dẫn quản lý đau giúp tôi hiểu				
	biết về các phương pháp đánh giá và quản lý cơn đau				
35	Trong hồ sơ bệnh án không có mục để ghi chép đánh giá đau cho				
	người bệnh				
36	Trong hồ sơ bệnh án không có mục để ghi kế hoạch giảm đau cho				
	người bệnh				
37	Khoa không có sẵn các biện pháp giảm đau thay thế thuốc hoặc hỗ				
	trợ cùng thuốc giảm đau cho người bệnh như ví dụ: chườm nóng /				n.
	lạnh, nệm)				
38	Không đủ thời gian để thực hiện các biện pháp giảm đau không				
	dùng thuốc				
39	Không đủ thời gian để giáo dục sức khoẻ cho người bệnh nội dung				
	liên quan đến quản lý đau(đơn thuốc, biện pháp giảm đau thay thế				
	thuốc)				
40	Thiếu cơ hội để thảo luận trực tiếp về cách quản lý cơn đau của				
	bệnh nhân với nhóm chăm sóc				