

TABLE OF CONTENTS

	Page
Abstract.....	(1)
Acknowledgement	(5)
Table of contents.....	(7)
List of tables.....	(10)
List of figures.....	(13)
List of abbreviation.....	(14)
Chapter	
1. Introduction.....	1
Research questions	5
Objective of the study	5
Significance of the study.....	5
Operational definition	5
2. Literature review.....	9
2.1 Pain definition	9
2.2 Classification of cancer pain	9
2.3 Cancer pain management	12
2.4 Assessment of cancer pain	12
2.5 World Health Organization analgesic ladder	14
2.6 Barriers to Cancer Pain Treatment.....	21
2.7 Consequences of inadequate pain treatment	23
2.8 Problems of cancer pain treatment.....	27
2.9 Pain Treatment facilities	34
2.10 Cancer pain in Thailand	35
2.11 Instruments for the study.....	43

	Page
3. Methodology	49
3.1 Study settings and samples.....	49
3.2 Study design and justification	49
3.3 Assessment	49
3.3.1 Main outcome variables.....	50
3.3.2 Main exposure variable: Clinical setting	50
3.3.3 Potential confounders	50
3.4 Study procedure	51
3.4.1 Pilot study	51
3.4.2 Main study	76
3.5 Analysis	80
3.6 Ethical consideration	81
4. Results.....	82
4.1 Descriptive characteristics	82
4.1.1 Demographic characteristics.....	82
4.1.2 Clinical characteristics.....	84
4.1.3 Main outcomes.....	90
4.1.4 Clinical setting characteristics	96
4.1.5 Potential confounders	106
4.2 Univariate associations	107
4.3 Multivariate analysIs (controlling for confounders).....	111
4.4 The Parsimonious model predicting pain control.....	113
4.5 Other findings	115
4.6 Summary of the multivariate analyses regarding the hypothesis testing....	121

	Page
5. Discussion	122
5.1 General methodological consideration	122
5.2 The findings	130
5.3 Conclusions	140
5.4 Implications for public health intervention.....	140
5.5 Recommendations for future research	143
References.....	148
 Appendix	
A. Patient questionnaire (Thai).....	164
B. Brief Pain Inventory (BPI).....	169
C. Barriers Questionnaires - II (BQ-II) with modification.....	173
D. Thai-Functional Assessment of Cancer Therapy- General Scale (Thai FACT-G)	176
E. Thai Hospital Anxiety and Depression Scale (Thai HADS)	178
F. Physician Questionnaire (Thai).....	181
G. Attitudes toward the optimal use of analgesics for cancer pain management	183
H. Knowledge and attitudes toward opioid prescribing.....	185
I. Perception of barriers to cancer pain management.....	187
J. Scoring of the questionnaires	188
Curriculum vitae	200