

KNOWLEDGE OF INTENSIVE CARE NURSES IN SELECTED CARE AREAS COMMONLY GUIDED BY PROTOCOLS

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of
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DECLARATION

I, Helen Catherine Perrie, declare that this dissertation is my own work. It is being submitted for the Degree of Master of Science in Nursing in the University of the Witwatersrand, Johannesburg. It has not been submitted before for any degree or examination at this or any other university.

Signature

Signed at

On this date

ABSTRACT

The purpose of this study was to determine the knowledge of nurses working in ICU with respect to pain management, glycaemic control and weaning from mechanical ventilation, care areas that are commonly guided by protocols. The effect of formal ICU training and years of ICU experience on this knowledge was elicited. A non-experimental, descriptive and contextual two-phase research design was used. The first phase of the study consisted of developing and validating a data collection instrument, using purposive sampling to select two groups of ICU nursing experts. The second phase of the study used the instrument developed in phase one to test the knowledge of nurses working in ICU.

The knowledge of 136 ICU nurses (68 ICU trained and 68 non-ICU trained) from three (n=3) public sector and two (n=2) private sector hospitals in Gauteng was tested using the data collection instrument developed by the researcher and the two groups of ICU nursing experts.

Knowledge of nurses, both ICU trained and non-ICU trained, working in the ICUs of three public and two private hospitals in Gauteng was found to be lacking in the three care areas tested in this study, namely pain management, glycaemic control and weaning from mechanical ventilation. The difference in knowledge between ICU trained and non-ICU trained nurses was statistically significant but relatively small. A weak correlation was found between level of knowledge and years of ICU experience.

Recommendations to address this lack of knowledge of ICU nurses are given for clinical nursing practice, nursing management and nursing educators, as well as recommendations for further research in this area.

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TABLE OF CONTENTS

	DECLARATION	ii
	ABSTRACT	iii
	ACKNOWLEDGEMENTS	iv
	TABLE OF CONTENTS	v
	LIST OF FIGURES	viii
	LIST OF TABLES	ix
CHAPTER ONE	OVERVIEW OF THE STUDY	
1.1	Introduction	1
1.2	Background to the study	1
1.3	Statement of the problem	3
1.4	Purpose of the study	4
1.5	Study objectives	4
1.6	Importance of the study	5
1.7	Research assumptions	5
1.7.1	Meta-theoretical assumptions	5
1.7.2	Theoretical assumptions	7
1.7.3	Definitions of terms for purpose of this research	8
1.7.4	Methodological assumptions	9
1.8	Overview of methodology	10
1.8.1	Research design	10
1.8.2	Research method	10
1.8.3	Target population	11
1.8.4	Sample and sampling method	11
1.8.5	Data collection	12
1.8.6	Data analysis	12
1.9	Validity and reliability	12
1.10	Ethical considerations	13
1.11	Outline of the study	14
1.12	Summary	14
CHAPTER TWO	LITERATURE REVIEW AND BACKGROUND	
2.1	Introduction	16
2.2	Current status of ICU nursing	17
2.2.1	Development of ICU and ICU nursing in South Africa	17
2.2.2	Shortage of ICU nurses	17
2.2.3	Nursing education and training	19
2.3	Accountability and the Scope of Practice	20
2.4	Evidence-based practice and protocol-based care	23
2.5	Protocols	24
2.5.1	Care areas frequently directed by protocols	26
2.5.1.1	Pain management	26
2.5.1.2	Glycaemic control	28
2.5.1.3	Weaning from mechanical ventilation	29
2.6	Knowledge levels	30
2.6.1	Knowledge studies	32
2.6.2	Influence of years of experience and formal training on knowledge of ICU nurses	33
2.7	Summary	33

CHAPTER THREE	RESEARCH DESIGN AND RESEARCH METHODS	
3.1	Introduction	35
3.2	Purpose and objectives	35
3.3	Research design	36
3.4	Research methodology	37
3.4.1	Phase one: Developmental and Quantification stages	37
3.4.1.1	Stage one: Developmental stage	41
3.4.1.2	Stage two: Quantification stage	46
3.4.1.3	Summary of phase one	51
3.4.2	Phase two: Research phase	51
3.4.2.1	Research setting	52
3.4.2.2	Target population	52
3.4.2.3	Sample and sampling method	53
3.4.2.4	Data collection process	54
3.4.2.5	Data analysis	55
3.4.2.6	Pilot study	57
3.4.2.7	Layout of final instrument	57
3.4.2.8	Validity and reliability of the data collection process	58
3.4.2.9	Ethical considerations	59
3.5	Summary	60
CHAPTER FOUR	DATA ANALYSIS AND DISCUSSION OF RESULTS	
4.1	Introduction	61
4.2	Approach to data analysis	62
4.2.1	Phase one	64
4.2.1.1	Stage one: Developmental stage	64
4.2.1.2	Stage two: Quantification stage	64
4.2.2	Phase two	64
4.2.2.1	Objective one	65
4.2.2.2	Objective two	65
4.2.2.3	Objective three	66
4.2.2.4	Internal consistency	66
4.3	Results and analysis	67
4.3.1	Results and analysis of Phase one	67
4.3.1.1	Stage one: Developmental stage	67
4.3.1.2	Stage two: Quantification stage	68
4.3.2	Results and analysis of Phase two	77
4.3.2.1	Demographic data (Section 1)	78
4.3.2.2	Knowledge instrument	85
4.4	Discussion of results	104
4.4.1	Demographic data	104
4.4.2	Knowledge of ICU nurses	105
4.4.3	Difference in knowledge between ICU trained and non-ICU trained nurses	108
4.4.4	Influence of years of ICU experience on knowledge	110
4.5	Summary	111

CHAPTER FIVE	SUMMARY, LIMITATIONS, RECOMMENDATIONS AND CONCLUSIONS	
5.1	Introduction	112
5.2	Summary of the study	112
5.2.1	Purpose of the study	112
5.2.2	Objectives of the study	112
5.2.3	Methodology	113
5.2.4	Theoretical assumptions	114
5.3	Main findings	114
5.4	Limitations of the study	117
5.5	Recommendations from the study	118
5.5.1	Clinical nursing practice	118
5.5.2	Nursing management	118
5.5.3	Nursing education	119
5.5.4	Further research	119
5.6	Protocol development and implementation	120
5.7	Conclusions	121
REFERENCES		123
APPENDICES		
Appendix A	Developmental stage documentation	133
Appendix B	Quantification stage documentation	147
Appendix C	Final data collection instrument	168
Appendix D	Participants' documentation	180
Appendix E	Ethics approvals and permissions	183

LIST OF FIGURES

Figure 3.1	Overview of research plan	40
Figure 4.1	Approach to data analysis	63
Figure 4.2	Determination of content validity for each question in Section 2 on pain management	71
Figure 4.3	Determination of content validity for each question in Section 3 on glycaemic control	72
Figure 4.4	Determination of content validity for each question in Section 4 on weaning from mechanical ventilation	73
Figure 4.5	Participants' ratings of level of knowledge of each question in Section 2, pain management	75
Figure 4.6	Participants' ratings of level of knowledge of each question in Section 3, glycaemic control	76
Figure 4.7	Participants' ratings of level of knowledge of each question in Section 4, weaning from mechanical ventilation	77
Figure 4.8	Distribution of the ages of all participants (n=136)	78
Figure 4.9:	Distribution of the ages of all ICU trained participants (n=68)	79
Figure 4.10	Distribution of the ages of all non-ICU trained participants (n=68)	79
Figure 4.11	Distribution of the years of general ward experience of all participants (n=136)	82
Figure 4.12	Distribution of the years of general ward experience of all ICU trained participants (n=68)	82
Figure 4.13	Distribution of the years of general ward experience of all non-ICU trained participants (n=68)	83
Figure 4.14	Distribution indicating the continuing professional growth options of all participants (n=136)	84
Figure 4.15	Distribution indicating the continuing professional growth options of ICU trained participants (n=68)	84
Figure 4.16	Distribution indicating the continuing professional growth options of non-ICU trained participants (n=68)	85
Figure 4.17	Marks obtained for the instrument as a whole and years of ICU experience	96
Figure 4.18	Marks obtained for the questions relating to pain management and years of ICU experience	97
Figure 4.19	Marks obtained for the questions relating to glycaemic control and years of ICU experience	98
Figure 4.20	Marks obtained for the questions relating to weaning from mechanical ventilation and years of ICU experience	99
Figure 4.21	Marks obtained for the basic level questions and years of ICU experience	100
Figure 4.22	Marks obtained for the applied level questions and years of ICU experience	100
Figure 4.23	Marks obtained for the advanced level questions and years of ICU experience	101
Figure 4.24	Distribution of the ratings of the instrument of all participants (n=134)	102

LIST OF TABLES

Table 2.1	Relevant clauses from the Scope of Practice (SANC Regulation R 2598 as amended)	22
Table 3.1	Stages of content validity determination for Lynn's model	39
Table 4.1	Sector distribution and positions held by participants in the expert panel	67
Table 4.2	Sector and provincial distribution and positions held of quantification stage participants	69
Table 4.3	Summary of results related to the knowledge of ICU nurses with respect to pain management, glycaemic control and weaning from mechanical ventilation	87
Table 4.4	Summary of results of Section 2, pain management	88
Table 4.5	Summary of results of Section 3, glycaemic control	90
Table 4.6	Summary of results of Section 4, weaning from mechanical ventilation	92
Table 4.7	Comparison of test results between the ICU trained nurses and the non-ICU trained nurses for the whole instrument.	93
Table 4.8	Comparison of test results between the ICU trained nurses and the non-ICU trained nurses for the section on pain management	93
Table 4.9	Comparison of test results between the ICU trained nurses and the non-ICU trained nurses for the section on glycaemic control	94
Table 4.10	Comparison of test results between the ICU trained nurses and the non-ICU trained nurses for the section on weaning from mechanical ventilation	94
Table 4.11	Comparison of test results between the ICU trained nurses and the non-ICU trained nurses for the basic level questions	95
Table 4.12	Comparison of test results between the ICU trained nurses and the non-ICU trained nurses for the applied level questions	95
Table 4.13	Comparison of test results between the ICU trained nurses and the non-ICU trained nurses for the advanced level questions.	96
Table 4.14	Internal consistency of the sections of the instrument	103
Table A1	Demographic data of expert discussion group	146
Table B1	Demographic data of expert quantification group	167