**MSN5250: Statistics for Advanced Nursing Practice Team:\_\_\_\_\_\_\_\_\_\_\_\_**

**Critique Worksheet for Group Project Part A**

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| **Elements of Critique** | **Discussion** |
| State the practice problem/issue that is the focus of the study.  How does this practice problem/issue affect **your** nursing practice? | Nursing is an important activity in the health industry. This is one of the most important tasks in any hospital where it is mandatory to look after patients as best as it is possible. The issue that is being discussed in this article is the lack of significant role by nurses in **the well-being of those patients who** are at critical stages and even battling for their survival. Instead of due diligence and more care, the nurses are poorly prepared in EOL for dying patients and their families. Thus, the issue of nursing is discussed in this article by the Alison Stacy, Margaret Rosenzweig, and the Bonnie Freeman to develop and transform the nursing practice in hospital and life-saving institutes with the help of effective tools and strategies.  This study solves the severe nursing problems in health practicing agencies. This study can improve the nursing profession in a way that it will make the nurses and the health practitioners more sympathetic to those who need more care and attention. This practice by using the CARES method will solve the problem of both patients and nurses they will be facilitated by the due attention and pragmatic measures. This study is an effective contribution to understanding and improving the talent and skills of nurses and their performances. |
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| In your own words, state the purpose of the study. | It has been witnessed by the common mundane and in the medical researches that the nursing profession is not attentive to the real needs of the patients. There are serious shortcomings in the nursing professions as the patients who desperately need the life-saving measures are often not provided with the due attention and care in hospitals. The nurses prefer to live by their robotic ways of doing things and have no attention towards the use of EOL for critical patients. As a result, in general, lose their lives in this quagmire. EOL care is not properly offered to them and this takes the lives of a huge number of patients. Keeping in view the tragic situation of life, the researchers attempted to resolve the issue by giving due attention to CARES and EOL in hospitals and for the families as well. The purpose of the study is clearly expressed in a way that it aims to boost the knowledge and skills of the nurses in their field so that they become a good contribution to the health industry and become a better support system to the patients. For this problem, effective CARES tool helps at the End of Life experiences of families of those dying patients with the use of Final Journey. |
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| Is the research question clearly stated?  What is the research question?  Does it match the purpose of the study? | Yes, the research question is clearly stated in the study which is done to improve the nursing profession by accoutering them with an adequate level of comfort, knowledge, and expertise.    The research question in this study is to investigate and examine questions that the usage of the CARES tools helps in augmenting nursing knowledge and comfort related to EOL. The other question was about the use of Final Journey whether or not it helps in improving the End of Life experiences of families of the dying patient.  Yes! these questions match the purpose of the study because the researchers are clear on exploring the real knowledge that would make the EOL and the Final Journey more effective in the nursing profession because it is about making health care more effective and more empathetic in nature and essence. Nurses to need to be attentive to the real needs of the dying patients and of their families. |
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| Is the research hypothesis clearly stated?  What is the research hypothesis?  Does the hypothesis reflect the purpose of the study?  Formulate a null hypothesis for this study. | Yes! the research question is clearly and specifically stated in this study of the Alison Stacy, Margaret Rosenzweig, and the Bonnie Freeman. In this research, the scientific method of research is adopted in the same way just like any other medical study in the world where a hypothesis is formed and then researchers strived to prove it.  The research hypothesis evaluates how CRAES tools and Final Journey is influential in improving the talent and capacity of nurses and the paramedic staff in hospitals as it is observed that nurses are inadequately trained to deal with the EOL and the Use of CARES in easing the life of critical patients and their families.  Yes! This hypothesis resounds with the objectives of the study that were intended by the researchers. The hypothesis and the objectives share a cooperative relationship with each other.  The null hypothesis on this type of study will be the zero effect EOL and CARES to improve the quality of nursing in hospitals, and for the critical patients. |
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| Who is identified as the target population?  How were the subjects chose (e.g., randomly, conveniently)?    Who is included (e.g., males, females, children, adults)?  Who is excluded (e.g., elderly, pregnant women, minorities)?  How large is the sample?  How was the sample size determined? | In every research, the relevancy and appropriateness of the targeted population are very important for the envisioned research question and the research hypothesis. This is the reason that researchers logically selected the data from the persons that were quite relevant in nature and essence. So, the targeted population is the convenient sample space of the registered nurses was used on a 16-bed medical progressive care unit at a western hospital in Pennsylvania.  The subjects were not randomly selected for this research question. Some conditions were part of choosing sample space for the study. Thus, a 16-bed in a progressive unit was chosen for the study question while keeping in mind the frequency of caring for patients at EOL.  The adequate sample space was fixed according to the criterion of the researchers to meet their specific need of the hypothesis. Keeping this prime objective, they set up a few conditions that nurses must be practicing in a progressive health care unit. Moreover, the condition of EOL was fixed for those nurses as well that were counted in the sample space. Mostly the nurses were in the age range of 30-39 with the experience of 6 years in the field. They were having a bachelor's degree as well.  The other practicing nurses were excluded from this study who did not meet the inclusion criterion.  The sample space is not large as it has only 9 nurses16 bed unit in observation and the limited number of nurses working there. Moreover, that progressive unit had only 30 patients  The sample size was determined on the basis that it should not create any confusion in the proposed study question. |
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| List the research variables.  How are the variables described?  What instruments or tools were used to collect data?  How did you determine if the instruments are valid? Reliable?  Are the instruments adequately described for you to understand what the score means? | The research variables are the EOL, CARES tools, comfort and pain management for patients, airway and emotional support, and poise and the skill of practicing nurses.  The variables are described as clearly to fully understand the proposed research question.  The instruments that were used to collect data are surveys, questionnaires to collect data about the research question. Moreover, the interview questions were also developed to get feedback from the nurses.  This was the subjective study as it took into account the human sentiments. So, all the methods were reliable in that sense.  Yes, all the instruments were clearly described for the readers and practitioners. |
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| State the data collection procedures.  How often was data collected and for how long? | The data was collected with descriptive pre-intervention and postintervention surveys and with a variety of interviews from those participating nurses and patients. Besides, live interviews were conducted for the process of data collection.  The project took place over five months from September 2017 through January 2018. Eleven nurses were participants, but only nine performed the operations and the two did not for unknown reasons. |
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| Were data analysis procedures clearly described?  Were data logically organized/presented in tables, graphs and/or charts? Describe.  What statistical tests were used to analyze data?  What assumptions in the data must be met for the type of statistical tests used? How do you know if these assumptions were met?  What were the levels of measurement for each variable in the study?  Were statistical tests suitable to the types of data collected/levels of measurement?  What was the alpha for each statistical test?  Describe how statistical significance was demonstrated (or not) for each variable. | Yes, the data analysis procedures were described in this research article. Every step was mentioned numerically to analyze the hypothesis.  The tables were listed visibly in the study. One table was about the sample space in the study and the other one was about a paired sample test. Moreover, there was a graphical representation of the surveys as well.  The statistical test that was used in this study were mostly descriptive as it was about the human care and sympathy. Thus, a pre- and post-quasi-experimental design with a pre-educational and post educational intervention was used to understand the influence of tools. Then reporting procedures were used such as Presurvey and post-surveys to evaluate changes in knowledge and comfort connected to EOL  The assumptions were met in the statistical surveys as it was exhibited in the various tables given in the finding.  Yes, the statistical surveys tests with themes were accurate with the type of data collected.  A paired-sample t-test was conducted using SPSS for comparing Preintervention and postintervention survey with a predetermined significance level of less than 0.05.  Several nursing themes were fixed to effectively draw out the experiences of nurses along with various types of interviews from families and nurses. |
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| Discuss the study results. What were the findings?  Is the research question/hypothesis answered?  Were the study limitations described? Discuss.    Can generalizations be made? Discuss.  Were there any unexpected findings? Discuss. | The results of the study are such that the Use of the CARES tool helps provide nurse the optimum evidence-based EOL care to critical d near to dying patients and their families. Moreover, the Final Journey is also an opportunity to progress the EOL knowledge as perceived by families of dying patients. Furthermore, this study noted that Improving QOD in hospitals is even more imperative. Refining EOL care in nursing and cultivating the EOL experience for families of the dying are the main objectives for quality improvement with the help of CARES tools.  Yes, the research question and hypothesis are duly answered catered in this study. All postintervention survey scores improved with the proper utilization of CARES tool.  Yes! the study also clearly explained the limitations. It is stated that the convenience was very small and that was operating in the small unit from a single hospital. Moreover, the use of self-developed preintervention and postintervention survey was chosen as the method of evaluation which was unreliable as compared to a validated preexisting tool in the assessment of EOL care. Moreover, the limitation was also about the element of subjectivity in the research. Also, the information obtained regarding feedback from families about Final Journey was secondary and was increased biases in the research.  When the subjective tools were used, it left the room for generalization and this effectiveness of EOL and CARES tools was generalized for all types of patients.  It was noted that some nursed performed better in the tests even when they had a deficient experience in the field. |
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| Discuss the study recommendations.  Is there an identified need for further research? | The study recommends the there should be an improved quality of QOD in hospitals and there should be more use of CARES tools by the practicing nurses. There should be more focus on Final Journey and EOL.  The area of further research is exploring the maximum potential of CARES for quality improvement. |
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| Do study findings have clinical significance?  Who will benefit from results of the study?  Discuss implications of the study for nursing practice.  What changes could you make in your practice based on the results of this study? | The study has huge clinical significance in a sense that it is making medical research more humane a tragedy is never readily accepted. This is about harmonizing the needs of dying patients and families with professional health ethics and code of conduct.  The nurses at the progressive care units or in general will be benefited from the study.  This study will improve the nursing profession in the medical field as they will be more refined in their fieldwork. The critical patients will be more facilitated as it will simplify their lives in that critical period.  There should be some changes in the hospital and the nursing profession as this study calls for more employment of CARES tools for EOL patients and families. This step is even more effective when it accompanies the use of Final Journey in the practice. The nursing profession must be reformed in a way that is more humane and empathetic rather than just mechanical or robotic in outlook. |