

## Understanding Research Articles/ Cleveland Clinic WOC Nursing Education

Name of student: Nina Bosetti \_\_\_\_\_

Points criteria:

Criteria	Under performance <3 points per criteria	Basic 3 - 3.9 points per criteria	Proficient 4.0 - 4.4 points per criteria	Distinguished 4.5 - 5 points per criteria
<b>Required content objectives</b>	Content objectives are missing or sparsely covered.	Content objectives are not consistently addressed. Demonstrates minimal understanding of content.	Content objectives consistently addressed. Demonstrates understanding of content.	Content objectives consistently addressed. Demonstrates mastery of content.
<b>Academic writing standards</b>	Writing lacks scholarly tone & focus. Sparse content. Multiple grammatical, spelling, & factual errors. Reliance on bullet points rather than effective writing in speaker notes. 4 or more direct quotes per project.	Writing is unclear and/or disorganized. Inconsistent scholarly tone. Inadequate depth of content. Grammatical and spelling errors. No more than 3 direct quote of less than 40 words per project.	Writing demonstrates general exploration of content. Responses are clearly written using scholarly tone. Few grammatical and/or spelling errors. No more than 2 direct quote of less than 40 words per project.	Writing demonstrates comprehensive exploration of content. Responses are clearly written using scholarly tone. Rare grammatical and/or spelling errors. No more than 1 direct quote of less than 40 words per project.
<b>APA formatting</b>	References and citations have multiple errors or are missing.	References and citations have errors.	References and citations have few errors.	References and citations have rare errors.

Carefully review the above rubric and the directions for each of the following pages. Select from **one** of the two articles provided in the course discussions area. Based on the type of research selected, respond to the questions on the following pages.

References: See the course syllabus for specific requirements on references for all assignments.

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**Part A: Select just one (not both) of the articles from the week two DQ assignment thread. Determine whether the article is qualitative or quantitative research, then, using an academic voice & APA formatted citations/references, formulate a 150-300 word response to each of the following sections and enter your responses into the textboxes below.**

1. Using APA format, enter the reference for the article you reviewed. Explain the rationale for selecting this research article and how it relates to your own practice.

Chen, Y., Wang, X., Ding, W., Wu, L., & Zhao, X. (2020, March/April). Perceptions and Life Experiences of Patients With Wound Healing by Secondary Intention After the Removal of Thoracic Drainage Tube . *Journal of Wound, Ostomy, and Continence Nursing*, 47(2), 124-127.

I chose this reasearch article for several reasons. In my acute care facility, we often evaluate wounds after the chest tube is removed. Some tend to be more complex than others with longer healing time. Majority of the time, the doctors let the wound heal by secondary intention which can lead to infection and delayed wound healing depending on the patient's compliance with treatment. Patients need to be educated about dressing changes, when to follow up with their doctor, and how they can monitor the wound at home. According to the article, there is very little data pertaining to wound healing by secondary intention and the affect it has on patients. (Chen, Wang, Ding, Wu, & Zhao, 2020) It is important for us as nurses to understand the challenges patients may face when they have a wound that is healing by secondary intention. That way, we can provide the proper education and support for these patients.

2. Describe how you determined whether the selected research article is qualitative or quantitative.

Although the article specifies that it is qualitative, after reading the article we can determine that it is a qualitative study. A qualitative study is usually subjective vs a quantitative study that is objective containing numerical values. (R.B. Turnbull, Jr. MD School of WOC Nursing Education, 2022) The data can typically be measured with a quantitative study. Although the article has numerical data in it, the article's main point is to study the patient's experience. In this research study, the patients were interviewed, and the interviews served as the source of data for the researchers. This type of data cannot be measured. This makes the research study qualitative.

**Part B:** Based on the selected research, formulate a response to each of the following 8 questions associated with the selected research type (qualitative or quantitative). Enter your thoughtful responses to the textboxes below. **Each response should be 150 - 300 words and cited using APA style from your reference list.**

1. Why is IRB/informed consent an important part of research? Determine if Institutional Review Board (IRB) approval/informed consent obtained. If the research was done outside of the United States, the review body may go under a different name.

According to the American Academy of Psychology, “an IRB is a committee within a university or other organization receiving federal funds to conduct research that reviews research proposals.” (American Psychological Association, 2017) The IRB is an important part of research for several reasons. They protect the population being surveyed by reviewing the research proposals in order to make sure they meet necessary guidelines. Only then can the research be funded and approved. It is important for the participants to feel protected and safe during the study. In this research study, approval was not needed by the Chinese Ethics Committee. This is because the study was based upon interviews and not biological material. (Chen, Wang, Ding, Wu, & Zhao, 2020)

2. Describe (based on selected research type)
  - a. **Qualitative article:** the purpose statement - or -
  - b. **Quantitative article:** the problem and purpose of the research

The purpose statement can be found in the abstract of the article. The purpose of the research was to interview patients regarding their experiences living with a wound healing by secondary intention after the removal of a thoracic drainage tube. (Chen, Wang, Ding, Wu, & Zhao, 2020) The goal of the research can also be found in the introduction. Gaining insight into a patient’s experience with this type of wound can provide us with more knowledge related to the challenges these patients may face. Ultimately, nurses and doctors will be able to take this knowledge and provide better education for their patients.

3. Describe (based on selected research type)
  - a. **Qualitative article:** research design - or -
  - b. **Quantitative article:** the research questions

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The research design can be found in the abstract of the article. The design consisted of a qualitative phenomenological study. This type of study consists of using patient experiences to gain insight into their thoughts and feelings. (Chen, Wang, Ding, Wu, & Zhao, 2020) Patients were interviewed in the hospital's WOC clinic. The researchers asked patients a series of questions, and they were asked to speak openly. Some of the questions were "What were the effects of delayed wound healing on your life? Could you talk about your current thoughts on this wound?" (Chen, Wang, Ding, Wu, & Zhao, 2020, pp. 125)

4. Explain in your own words a summary of the literature review used in the selected article.

After surgery, patients are often left with wounds. These wounds can heal by primary intention (using sutures, staples, etc.) or by secondary intention when they are left open to air for medical reasons. The decision to let a wound heal by primary or secondary intention is determined by the wound itself. There is little evidence regarding wound healing by secondary intention. Most research relates to patient experiences with other types of wounds like chronic leg ulcers. (Chen, Wang, Ding, Wu, & Zhao, 2020) It was recommended that placement of the thoracic drainage tube and the removal process need to be carefully performed in order to improve the wound healing process. There are medications that can aid in the wound healing process, however patient compliance and adherence is an important factor. Patients living with wounds can provide us with knowledge by sharing their experiences with us.

5. Identify (based on selected research type)
  - a. **Qualitative:** the data collection method(s) - or -
  - b. **Quantitative:** the study design, including sample, setting, & data collection methods.

The data was collected by conducting interviews with patients who have experienced living with a wound healing by secondary intention following a thoracic tube removal. By conducting this type of research, it allows us insight into what the patient is experiencing not only physically but emotionally as well. The patients were selected from a WOC clinic within the hospital. Patients did not qualify to participate in the study if they have psychological disorders, did not provide consent, or have a vision or hearing disability. (Chen, Wang, Ding, Wu, & Zhao, 2020) The interviews were recorded and were typically 30-45 minutes in length. The patients were interviewed separately and asked to be open about their experiences living with this type of wound. The members of the research study listened and interpreted the data. The data was then analyzed using thematic analysis. Three themes and six 6 sub themes resulted from the study.

6. Analyze (based on selected research type)

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- a. **Qualitative:** the results of the research study – or –
- b. **Quantitative:** the data collection tool used; is the tool validated?

The results of the research study included 9 patients with an age range of 22-67. There were 3 major themes and 6 sub themes. The first theme was emotional stress response. The sub themes were surprised, anxiety and uncertainty. The second theme was increased disease burden. The sub themes were economic burden, and self-perceived burden. The last theme was impaired social function. The sub themes were lonely and frustrated in daily life and isolated at work. (Chen, Wang, Ding, Wu, & Zhao, 2020) Many patients felt as though they did not understand why their wounds were not healing, or there were little changes noted to the wounds themselves. Cost of dressing changes was also noted to be a factor among patients. After reviewing the table in the article, patients that were retired had a shorter wound healing period than those who worked. The

7. Summarize (based on selected research type)
  - a. **Qualitative:** conclusions and implications for further research – or –
  - b. **Quantitative:** study results, including strengths & limitations.

After analyzing the results, patients who have wounds healing by secondary intention following removal of a thoracic drainage tube experienced impaired social function, economic burden, and emotional stress response. (Chen, Wang, Ding, Wu, & Zhao, 2020) Education is an important part of patient care. Patients should be educated throughout their stay in the hospital. The article purposed that an education plan be developed for the patient. Similarly in patients who have an ostomy, it is encouraged to provide education prior to surgery and after surgery. The same should be done for patients with other types of surgical wounds.

Although the research study was qualitative, there were limitations. For example, the study was conducted amongst only Chinese patients. Which leaves us with the question as to whether culture plays a factor in the experience of the wound healing process.

8. Discuss why is this research important to the body of WOC nursing knowledge.

This research is important to WOC nursing knowledge for several reasons. As nurses, it is imperative that we understand the conflicts patients may face with a wound that is healing by secondary intention. More than often, we learn from our patients so that we can help others who may face similar challenges. By learning from our patient's experiences, we can provide better education for our future patients. WOC nurses see many different types of wounds. By conducting this research, the authors provided WOC nurses information about a topic they may

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have not been familiar with from the start. According to the article, there is little information available about this topic. (Chen, Wang, Ding, Wu, & Zhao, 2020) By performing new research, we are expanding not only our knowledge but other's knowledge as well.

9. Use APA format to list your references for this assignment:

Chen, Y., Wang, X., Ding, W., Wu, L., & Zhao, X. (2020, March/April). Perceptions and Life Experiences of Patients With Wound Healing by Secondary Intention After the Removal of Thoracic Drainage Tube . *Journal of Wound, Ostomy, and Continence Nursing*, 47(2), 124-127.

American Psychological Association. (2017, September). *Frequently Asked Questions About Institutional Review Boards*. Retrieved from American Psychological Association: <https://www.apa.org/advocacy/research/defending-research/review-boards>

R.B. Turnbull, Jr. MD School of WOC Nursing Education. (2022). Applying Research and Evidence to WOC Nursing Care. [PowerPoint Slides]. Vimeo@CCF.