

## **Chelonian Conservation And Biology**



## NURSING SCIENCE: THE DNP PRACTICE BASIS

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### Abstract:

The importance of nursing science and theory for doctor of nursing practice (DNP) graduates is examined in this chapter. A lot of DNPs prioritize efficacy in practice and have a pragmatic perspective on nursing. The chapter makes the case that DNPs must have a solid background in nursing science in order to go beyond a simply practical approach. It highlights the distinct viewpoint that nursing science contributes to healthcare by examining the ways in which DNPs apply scientific theories and concepts at the bedside. The importance of DNPs as nurse scientists



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and their contribution to the continuous advancement of nursing knowledge is emphasized in the chapter's conclusion.

**Key words:** Nursing philosophy, evidence-based practice, advanced nursing practice, nursing science, Doctor of Nursing Practice (DNP)

### Introduction:

Α lot of advanced practice nurses practical perspective nursing. have а on "works" on anything not their work and with concentrating if or in patrons. They deeds and their effects. thinking their search for that Every consequence has a known cause that is, ideally, curable. medical professionals people frequently prone to dismiss nursing theory as being too theoretical for practical purposes. Is too wide to be usefully applied to everyday nursing practice.

This perspective, which appears to downplay the importance of philosophical inquiry, is in fact a distinct philosophical position. Whether or not we are grateful for it, Every nurse bases their practice on philosophy and theory. The experienced The doctor of nursing practice (DNP) is aware of this and aims to Maintain the principles, convictions, and concepts that guide his or her day-to-day work. Practicing at the PhD level is an incredibly rich, multifaceted, and challenging experience.

that necessitates more profound understanding if we want to assist our clients and symbolize our industry, As we investigate the significance of our work as advanced doctorateprepared Practice nurses, there are a number of things to think about. What sets apart the DNP in contrast to other categories of advanced practice nurses in terms of nursing theory and science? How does advanced practice preparation for DNPs work? At the bedside, does a nurse apply scientific ideas and concepts? How could the DNP graduate uses various methods to handle scientific theoretical and topics than other medical professionals? What principles and beliefs direct the decision-making behaviors and declarations of the DNP in the medical context? DNP-ready advanced Practice nurses add specialized knowledge to their jobs based on a very high level of specific foundation in the field of application scholarship. This section looks at nursing theory and science. emphasizing the ideas that support the doctor of the practice of nursing.

### Nursing Science: What Is It?

The easiest way to define nursing science is to start by looking at the concept of the concept of nursing in general. Various definitions of nursing exist. based on the specific professional or philosophical worldview of those carrying out the definition. Fawcett's nursing philosophy is encapsulated in its (2000) defined nursing as the actions that nurses conduct and

NURSING SCIENCE: THE DNP PRACTICE BASIS 1038 results thev achieve. the that attained by those deeds. Parse (1997) provided an alternative perspective when she stated that the discipline of nursing is structured around nursing knowledge, and profession nursing is а performing art. As Rogers (1994)noted, the it nursing is defined by the application of nursing, not by the practice of nursing. welfare. King (1990) discussed utilizing nursing knowledge to enhance human nursing as an intersystemic and intrasystemic interaction process. Reed, the 1997 suggested that, in the same way that archeology is the study of antiquated objects and biology.

Nursing is the study of encouraging well-being; it is the study of living things. knowledge, method. an art form, specialized actions and results. а an examination of systems that interact, and processes are just a few of the many definitions related to nursing. Four nursing metaparadigm notions have emerged. exclusive. approval among widespread, if not the community of nurses of knowledge about people, places, nursing, and health. The Crucial Elements of Doctoral Advance Nursing Practice Education from the American Association of Colleges of Nursing (AACN) embodies the intellectual legacy of nursing in this state summarizing the nursing discipline's statement focus: The tenets and regulations that oversee the course of life, welfare, and ideal functioning of humans, whether they are ill or not;

The way people behave in certain ways when interacting with their surroundings in both everyday crucial circumstances; occurrences and procedures that The nursing or behaviors lead to improvements in health status are impacted; additionally The state of wholeness or health at which people acknowledge they are in ongoing communication with their surroundings. (Crowley & Donaldson, 1978; Gortner. 1980: Fawcett, AACN, 2005; as quoted in 2006, p. 9) These fundamental ideas tackle nursing as a discipline and all of its aspects. with particular human behavior. health. а person expertise in and well Human-environment interaction, the behaviors procedures as and as health-related factors.

### Unveiling the Science of Nursing: Challenges and Core Concepts

There are certain difficulties in defining the science of nursing. Science is characterized in a variety of ways, including the study of something, the information discovered through that research, and the systematic work necessary to obtain that knowledge. Burns and Grove (2001) concur with many others who have stated that science is both a process of rigorous study and a product (knowledge), characterizing science as a body of knowledge, the research findings and

ideas that have been generated, tested, and accepted by a certain field. According to Barrett's (2002) theory, science is our constant attempt to uncover the truth. As a result, it is constantly changing and being updated.

The argument over whether nursing is an applied science or a pure or fundamental science also known as basic science—complicates the effort to define nursing science even more. Applied science is more concerned with the real-world applications of theories and concepts than pure science is with expanding knowledge. The notion that nursing is a fundamental science with its own body of knowledge centered on the human-environment (or universe)-health process has been supported in recent years by a number of significant nurse writers (Parse, 1999).

Different methods are used to acquire scientific information in different fields. The most common method of conducting scientific research involves observation and measurement of the phenomenon being examined, followed by a description and interpretation of the results. The phenomenon may be the subject of experiments or interventions, with the results documented. It takes similar outcomes from multiple replications of scientific investigations before the knowledge gained can be added to the body of accepted knowledge. Science is produced through the process of research. Research findings are frequently the basis for the development of theories, which may then be tested by additional study. The structure that unites research and advances scientific understanding is provided by scientific theories (Barrett, 2002; Burns & Grove, 2001).

Certain theoretical frameworks and research approaches in nursing have been and still are being created that are specific to the field. A number of nurse researchers think that as nursing advances as a field, research and practice rely on creating unique, nursing-specific theories. and research techniques. Other elements and techniques outside of reproducible lab-Oratory research can advance scientific understanding; in fact, as experience, judgment, intuition, and abstract crucial science thought are to scientific progress (Phillips, 1996). The authors (2006) of The Essentials of Doctoral Education for Advanced Nursing Practice While acknowledging the importance of combining knowledge from other sciences, AACN developed a definition of nursing science as an entity in and of itself, with a developing body of scientific knowledge. Nursing science is distinct in that it focuses specifically on the variables that impact human well-being, but it also incorporates ideas from all other more expansive fields of theoretical and scientific inquiry that can add to the corpus of nursing knowledge. As the document: per

# Building the Science of Nursing: Foundations, Paradigms, and the Uniqueness of Nursing Knowledge

A solid scientific foundation for practice is necessary to prepare for addressing difficulties in practice both now and in the future. The natural and social sciences now form a larger part of the scientific basis of nursing practice. ... Furthermore, the application of the natural and social sciences is contextualized by philosophical, ethical, and historical questions that are inherent in the scientific process. Additionally, nursing science has strengthened the scientific foundations of the field and produced a sizable body of information to direct nursing practice. (page 9)

Phillips (1996) highlighted the notion that facts are not the only component of nursing science. Rather, nursing science is a methodology, a specific approach to acquiring, comprehending, and applying scientific knowledge. The body of nursing knowledge is made more cohesive by this pattern. Silva (1999) questioned whether nursing science should be limited to mechanistic datain, knowledge-out empirical processes and instead advocated for the inclusion of alternative modes of knowing. There have been proponents of the dynamic coexistence of several paradigms or modes of knowledge. Multiple paradigms in nursing science, according to Monti and Tingen (1999), are a sign of a thriving field where discussion, diversity, innovation, and open inquiry foster the exchange of differing viewpoints and the advancement of knowledge. Stevenson and Woods' concept of nursing science (1986) offers a perspective that is helpful in highlighting practical knowledge. regarding the health issues DNP holders face in the workplace:

"Nursing Science is the field of study that deals with how indigeneous Individuals and organizations to real or possible health issues, the surroundings that impact human health and the therapeutic measures that support influence well-being and the effects of disease" (p. 6). The Ways in Which Medical and Nursing Sciences Differ The uniqueness of nursing science is at the heart of most of the debate. Regarding the body of knowledge in nursing, especially how it differs from medical science. The diagnosis and treatment of disease are the main goals of medical study and practice. The focus of nursing is on how people react to illness and how to treat it. However, there are numerous areas where nursing and medicine overlap, with advanced practice nursing appearing to be even more so. Beyond practicing scope, are there any real differences between medicine and nursing?

#### Beyond the Medical Model: Rethinking Nursing Science for Holistic Care

People usually enter the healthcare system in order to address an issue. A patient wants to know why they are feeling the way they are and wants the medical professional to help them feel better. Medical professionals work to identify the cause of the illness or, at the very least, manage its symptoms by solving the diagnostic conundrum. This methodical approach suggests that people are just machines that can be fixed by figuring out what's wrong and stepping in before it breaks down. In this situation, nurses typically work as medical professionals' assistants or as providers who are authorized and directed by medical professionals (Parse, 1999). This

paradigm forces nurses to operate inside the boundaries set by medical perspectives and mentalprocesses. Following the medical model, nursing science is an applied science whose main focusisonapplyingknowledgefromotherfields.

As advanced practice nurses, we might think and act differently if we consider nursing science to be a basic science. Rather from being restricted to the medical notion of curing a disease, holistic theories and techniques address broad concepts of health, completeness, compassion, and healing of entire systems. Approaching healthcare from a patient-centered, holistic perspective poses notable obstacles in a medical model-based system. The moment has come to reconsider how we perceive and apply nursing, nevertheless, given how notoriously broken the existing healthcare system is.

We can follow the evidence wherever it leads if we begin with the concept that nursing science is a distinct body of knowledge made up of theories and evidence intuited, observed, and evaluated by nurses involved in the processes of human health (Parse, 1999). This is the contribution a DNP graduate should contribute to nursing science—the impact advanced practice nurses can make. The advanced practice nurse starts with the patient, not the illness, and takes into account each person's particular values and objectives. Together, the patient and the nurse set off on an experiential trip, with the person being informed and directed down a route by the nurse's expertise Something is exclusive to the individual in their unique setting. As a nurse scientist, each advanced practice nurse should compile evidence. nce at the patient's side, taking notes and drawing conclusions.

### The Future of Nursing Science

The field of nursing science is constantly evolving. DNPs are at the forefront of this evolution, playing a critical role in:

Developing new nursing theories: As the healthcare landscape changes, new theoretical frameworks may be needed to guide nursing practice. DNPs can contribute to the development and testing of these theories. Refining existing research methods: DNPs can help identify limitations in current research methodologies and explore innovative approaches to studying nursing phenomena. Advocating for the science of nursing: DNPs can promote the value of nursing science to policymakers, healthcare administrators, and the public.

By embracing their role as nurse scientists, DNP graduates can ensure that nursing practice remains grounded in a strong scientific foundation. This, in turn, will lead to improved patient outcomes, a more robust healthcare system, and a brighter future for the profession of nursing.

### **Conclusion:**

Doctor of Nursing Practice (DNP) graduates play a vital role in advancing the science of nursing. While a pragmatic approach is essential in daily practice, a strong foundation in nursing science allows DNPs to go beyond simply "what works." This chapter has explored the unique perspective that nursing science brings to healthcare, highlighting how DNPs apply scientific theories and concepts at the bedside.

The DNP as a Nurse Scientist DNPs are not merely practitioners; they are also nurse scientists. They contribute to the ongoing development of nursing knowledge through various means. DNPs can: Integrate research findings into practice: DNPs stay abreast of current research and translate those findings into improved patient care.Identify areas for further research: Through their clinical experience, DNPs can identify gaps in knowledge and propose research questions to guide future studies.Mentor and collaborate with nurse researchers: DNPs can provide valuable clinical expertise to nurse researchers and participate in research projects.Disseminate research findings: DNPs can share new knowledge with colleagues through presentations, publications, and other means.

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