

## Podcast Show Notes

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### Artificial Intelligence in Nursing

What is artificial intelligence (AI)? How is it being used in healthcare today? How is it already influencing nursing care? Artificial intelligence is not a new technology. It has been around for decades. As the technology continues to evolve and people train the associated technological algorithms with more data to become smarter, technology really can begin to perform some humanlike tasks. Computers are essentially developing a cognitive type of ability, based on how the technology is designed, to work in healthcare from assisting with preparing hospital charges for billing to intelligent robots assisting patients and healthcare professionals. There are a lot of advantages with intelligence technology, but where can “help” cross the line over into concern?

*This CE course is relevant to nursing.*

#### Episode 1 – Intersections Between Artificial Intelligence and Healthcare

In this episode, we will cover the basics of describing artificial intelligence (AI) and also discuss the role AI is playing in healthcare. AI is being used to help trigger alerts for possible medical conditions and to also design robotics for healthcare. However, along with this technology comes the concept of the black box phenomenon. We can enter data into a machine, but we don't always understand how the machine is coming up with the information it's giving us in return. Can it be trusted?

#### Guests

Susan McBride, PhD, RN-BC, CPHIMS, FAAN

- Registered Nurse
  - PhD in Nursing
  - Fellow of the American Academy of Nursing (FAAN)
  - Clinical background in surgical services as a clinical nurse specialist (CNS)
- Nursing Informatics expert and educator
  - Assistant Dean of Research, University of Texas
  - Healthcare Information Management Systems Society (HIMSS) Certified Professional in Healthcare Information and Management Systems (CPHIMS)
  - Over 20 years of experience in informatics
  - Well-published and experienced speaker

Kirk Ornstein, MSN, RN, CNL

- Registered Nurse
  - Master of Science in Nursing
  - Clinical Nurse Leader (CNL)
  - Clinical background includes pediatric and school nursing
- Science writer/business executive
  - Generator of information for healthcare professionals
  - Presenter/disseminator of healthcare information
  - Account executive for healthcare-related companies

## Host and Content Reviewer

Maria Morales, MSN, RN, CLNC

Maria Morales is a nurse planner for Colibri Healthcare and a certified legal nurse consultant. She is a quality-focused, results-driven nursing education professional. As a continuing education leader with nurse executive experience in developing interprofessional educational programs, she supports healthcare workers with educational activities to help increase communication within the healthcare team.

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## Episode 2 – Garbage In, Garbage Out: Transparency and the Integrity of Data

This episode continues the discussion about AI in healthcare by exploring augmented reality, political influences on the AI space, and the concept of how data (dirty data, big data, accurate data) can influence algorithms. You'll also hear some practical and clinical discussion of how AI technology is being used with insulin pumps to manage type 1 diabetes in the pediatric population. What is it like when nurses, patients, and AI technology come together to help manage continuously changing blood glucose levels?

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## Episode 3 – Artificial Intelligence: It's Here to Stay! How Do We Work With It Effectively?

This episode continues the conversation around nursing management of blood glucose levels in conjunction with AI algorithmic technology in insulin pumps. We conclude the podcast series at the end of this episode by considering how nursing might influence and optimize the use of technology to make our workflows and care more efficient.

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