LEARNING OBJECTIVES

11-9-23

PERFORMANCE GAP/ ACTIVITY NEED:

Artificial Intelligence (AI) has the potential to transform health care and disrupt the field of medicine in significant ways. It has shown remarkable progress in tasks such as diagnostics, data analysis and precision medicine and is already being applied in areas ranging from patient triage to cancer detection. AI has the potential to transform health care for the better. It's a powerful tool that can lead to better patient outcomes when complemented with physician expertise. AI can also facilitate scientific discovery and breakthroughs in disease prevention and treatment through vast data analytics. Integrating AI into routine clinical practice will require careful validation, training and ongoing monitoring to ensure its accuracy, safety and effectiveness in supporting physicians to deliver care.

DESIRED OUTCOMES: At the end of the activity, attendees will be able to:

- **discuss the ways in which artificial intelligence (AI) is changing the landscape of medical science.**
- **examine the benefits and risks of established artificial intelligence applications in clinical practice on physicians, healthcare institutions, and bioethics.**
- **assess the challenges and future directions of artificial intelligence in medicine.**

LEARNERS: all clinicians

CLC/IB IDENTIFIED: Bias can exist when the creators of the AI algorithms are themselves biased.

DESIRABLE PHYSICIAN ATTRIBUTE: provide patient-centered care, utilize informatics