

SAMBA 2024 – HANDOUT AND OBJECTIVES

President's Rapid Fire

AI and Ambulatory Anesthesia

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Objectives

- **Understand the Origins and Evolution of AI:**
- **Introduce the concept of artificial intelligence, its history, and its growing impact in various fields, especially healthcare.**
- **Explore AI's Significance in Medicine:** Discuss AI's profound influence as likened to major technological advancements and its specific applications in anesthesia care.
- **Identify AI Subfields Relevant to Healthcare:** Detail how different AI technologies like machine learning and natural language processing are being applied in medical settings.
- **Demonstrate AI Applications in Anesthesia Care:** Explain how AI has transformed anesthesia documentation, monitoring, and patient safety.
- **Evaluate the Future of AI in Healthcare:** Reflect on the potential for AI to further revolutionize healthcare, emphasizing the need for quality data and integrated systems.

HANDOUT:

- **Introduction to AI:** Origins, definition, and historical perspective of artificial intelligence.
- **Statement by CEO of Google**
- **Progress in Anesthesia Care over several ERAs**
- **AI's Impact in Anesthesia:** HER and others
- **AI subfields:** Machine Learning, Natural Language Processing and others
- **AI Systems:** How they have progressed
- **AI and ambulatory anesthesia:** Specific instances where AI may be effectively utilized in healthcare settings.
- **Future Directions and Considerations:** Challenges and opportunities in the integration of AI into healthcare, with a call to action for collaboration and innovation.