
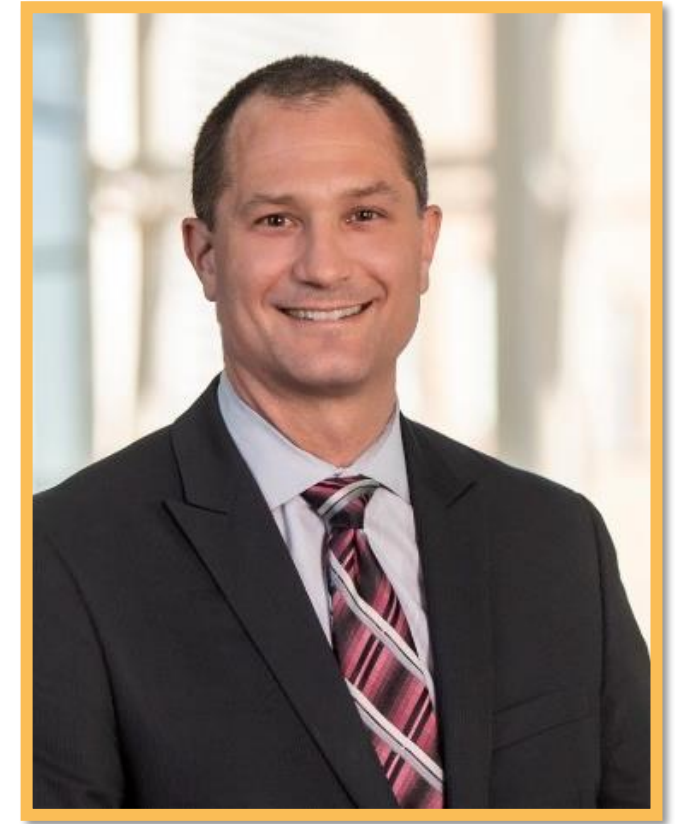


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AUPN'S
Leadership Minute
*What you need to know
about AI in ambient
listening*



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Leadership Minute Podcast Episode Description

- Neurology is a field where the history is critical, and we produce some of the longest notes in the EHR of any specialty.
- Documentation in the EHR can be a source of burnout for neurologists
- Ambient listening is a new tool that can utilize AI to assist in clinical care and documentation
- This podcast will discuss the basics of ambient listening and a few thoughts about the future

Introduction to Ambient Listening

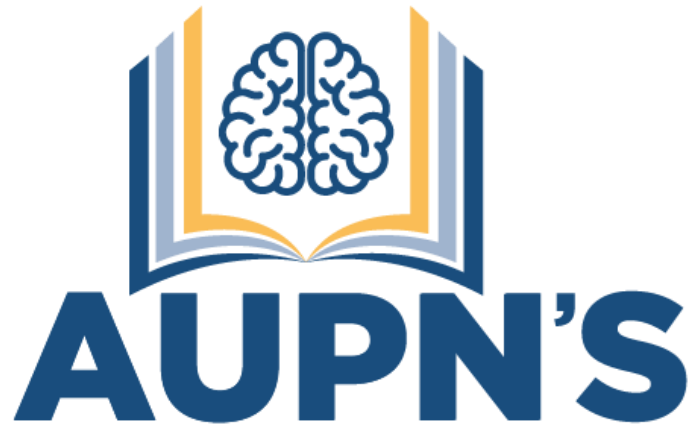
- Passive capture of audio in clinical settings to assist healthcare professionals
 - supports clinical documentation
 - enhances data accuracy
- Key components:
 - microphone technology
 - speech recognition
 - AI algorithms
 - Full transcript
 - EHR integration

Benefits and Challenges

- Benefits:
 - Real-time data capture
 - Improved documentation for coding (complexity)
 - reduced clinician burden
 - efficiency? Not in the literature to date
 - Useful in inpatient and outpatient settings
- Challenges:
 - Ensuring privacy/obtaining informed consent
 - Full transcript
 - Workflow integration (adoption)
 - Example: exam vs HPI/A&P
 - Financials (subscription pricing, infrastructure, etc)

Future Directions

- Advances in AI and NLP for better understanding and diagnosis
 - Suggestions for diagnosis
 - Suggestions for workup, place orders for approval
- Potential for remote monitoring and real-time symptom assessment
 - Vocal tremor, spasticity, etc
- Long-term impact on neurological care and research?
 - Suggest eligibility for trials?



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