

Speech recognition software generated clinical interview transcripts: An effective tool to improve feedback outcomes



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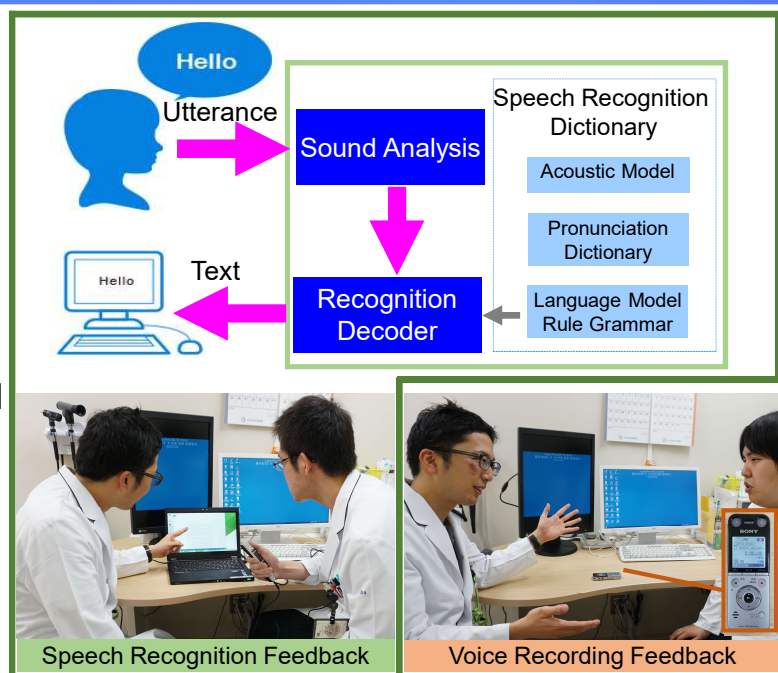
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Background

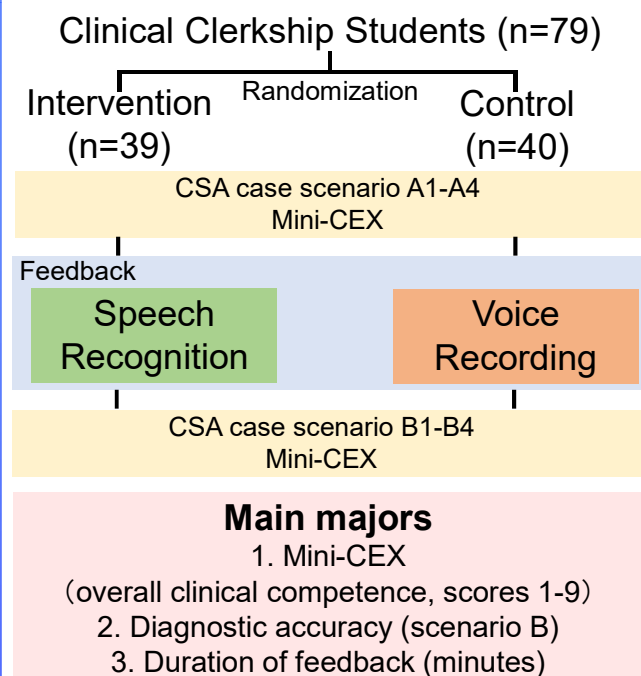
Speech recognition systems can instantly and accurately transcribe verbal interactions, enabling doctor-patient conversations to be analyzed in detail.

We introduced interview transcripts generated through speech recognition software using AmiVoice® to make feedback more specific and precise for the evaluation of medical history taking skills.

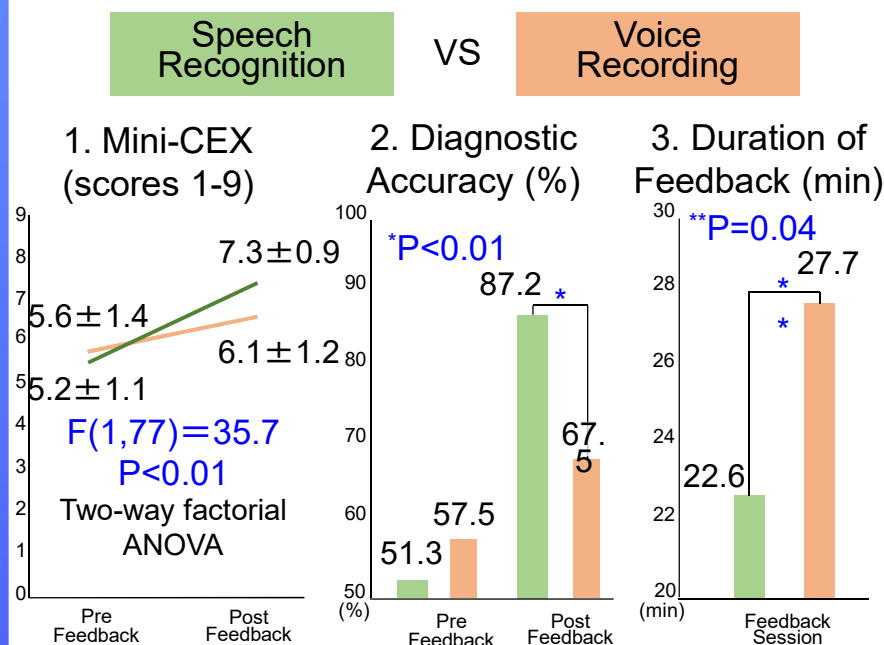
We investigated whether this methodology is superior to voice recording-only feedback for clinical skills training.



Methods



Results



Discussion and Conclusion

- Feedback based on speech recognition systems leads to:
 - Improvement of Mini-CEX scores
 - Improvement of diagnostic accuracy
 - Reduction of total feedback time
- Speech recognition-based feedback is an effective and efficient method to improve clinical performance.