1-> 37

( TITLE ( "Parkinson\*" OR "PD" ) AND TITLE-ABS-KEY ( "sustained" OR "vowel" OR "phonation" OR "voice" OR "speech" ) AND TITLE-ABS-KEY ( "deep learning" OR "DL" OR "machine learning" OR "ML" OR "computer\*" ) AND TITLE-ABS-KEY ( "class\*" OR "detect\*" OR "progno\*" OR "diagno\*" OR "predict\*" OR "early" OR "feature" OR "spectrogram" OR "pre-trained" OR "transfer" ) ) AND PUBYEAR > 2019 AND PUBYEAR < 2026 AND ( LIMIT-TO ( LANGUAGE , "English" ) ) AND ( LIMIT-TO ( DOCTYPE , "re" ) )

2-> 288

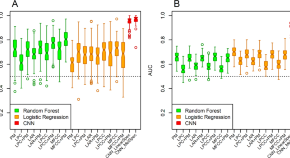
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3-> 4

**Title: (Parkinson\* OR PD) OR ("sustained" OR "vowel" OR "phonation" OR "voice" OR "speech" AND "deep learning" OR DL OR "machine learning" OR ML OR computer\* AND class\* OR detect\* OR progno\* OR diagno\* OR predict\* OR early OR feature OR spectrogram OR "pre-trained" OR transfer)**

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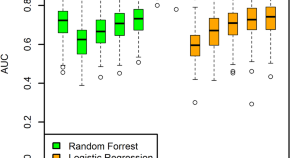
[**Pre-trained convolutional neural networks identify Parkinson’s disease from spectrogram images of voice samples**](https://www.nature.com/articles/s41598-025-92105-6)

* + Yasir Rahmatallah
  + Aaron S. Kemp
  + Fred Prior

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**Scientific Reports**

Volume: 15, P: 1-13

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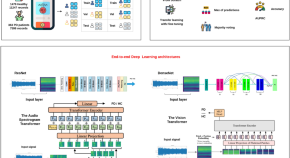
[**A machine learning method to process voice samples for identification of Parkinson’s disease**](https://www.nature.com/articles/s41598-023-47568-w)

* + Anu Iyer
  + Aaron Kemp
  + Tuhin Virmani

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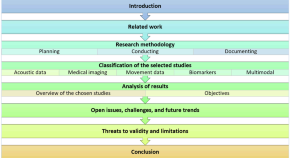
[**Transformer-based transfer learning on self-reported voice recordings for Parkinson’s disease diagnosis**](https://www.nature.com/articles/s41598-024-81824-x)

* + Ilias Tougui
  + Mehdi Zakroum
  + Mounir Ghogho

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**Scientific Reports**

Volume: 14, P: 1-21

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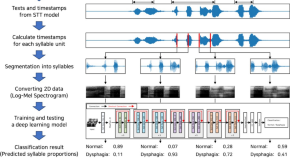
[**Machine learning for Parkinson’s disease: a comprehensive review of datasets, algorithms, and challenges**](https://www.nature.com/articles/s41531-025-01025-9)

* + Sahar Shokrpour
  + AmirMehdi MoghadamFarid
  + Mostafa Sarvizadeh

**Reviews**Open Access01 Jul 2025

**npj Parkinson's Disease**

Volume: 11, P: 1-52

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4-> 31

( TITLE-ABS-KEY ( "wav2vec 2.0" OR "Wav2Vec2.0" OR "Wav2Vec" OR "HuBERT" OR "Hubert model" OR "hidden-unit BERT" ) AND TITLE ( "Parkinson\*" OR "PD" OR "parkinsonian" OR "Parkinson&apos;s disease" OR "dysarthria" ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) )