

Physicians Assistant Artificial Intelligence System (PAIRS)

The technology is an Artificial Intelligence (AI) software system that helps automate the diagnosis of diseases in human patients. The technology seeks to improve the accuracy of patient diagnosis and treatment.

Salient Feature:

- Natural Language Processing (NLP)
- NLP has the ability to understand acronyms, synonyms and antonyms.
- Suggests diagnostic procedures for the possible diagnosis.
- 120,000 disease-feature links covering about 1700 diseases.
- Over 400,000 feature-feature links.
- 547 internal medicine diseases and their 75,000 disease-feature links are used in AI method.
- Option to test different diseases of a possible diagnosis for given patient data.
- Attached 2.5 million online links to National Library of Medicine abstracts.

Major Application:

- Doctors to aid in more accurately and quick diagnosis of diseases.
- Patient history can be created to automatically load the relevant information.
- Medical underwriters to assess medical reports and lab work.

Major End Users

Hospitals, Research labs, Medical practices, Health insurance & life insurance companies.