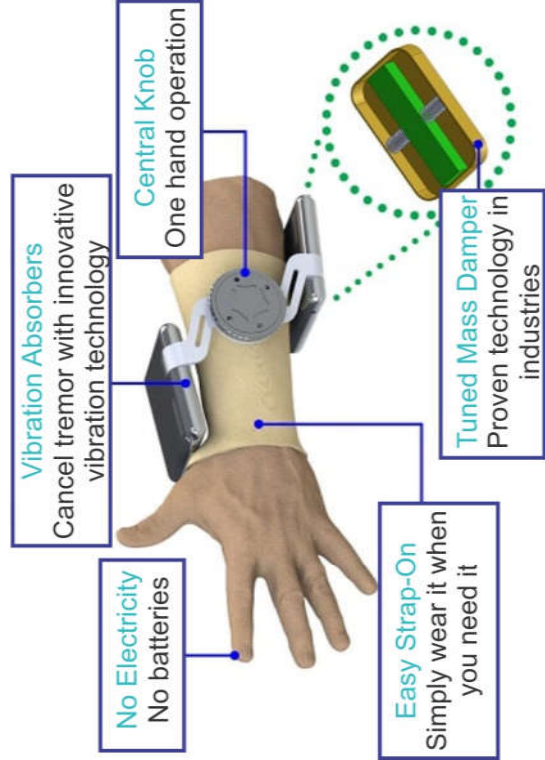
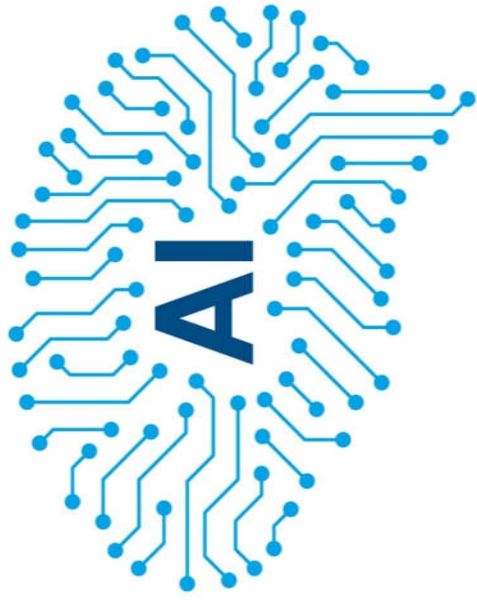


Design and Fabrication of Wearable
Passive Vibration Absorber for
attenuation of hand tremor in
Parkinson's disease patients



Goals of study 

- 1 Ease the activity of daily living.
- 2 Improve Parkinson's disease patients quality of life.

Tabriz Valiasr Hospital

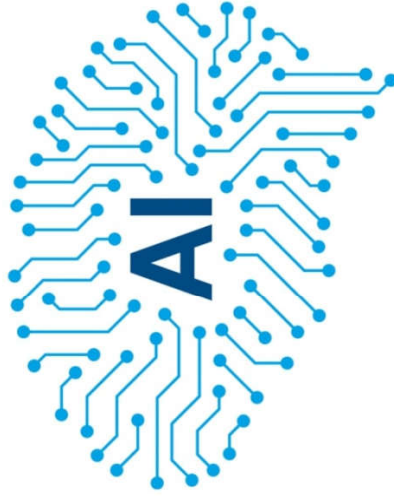
Clinical Research Development Center



Dr. Shahram Dabiri
Head of Center

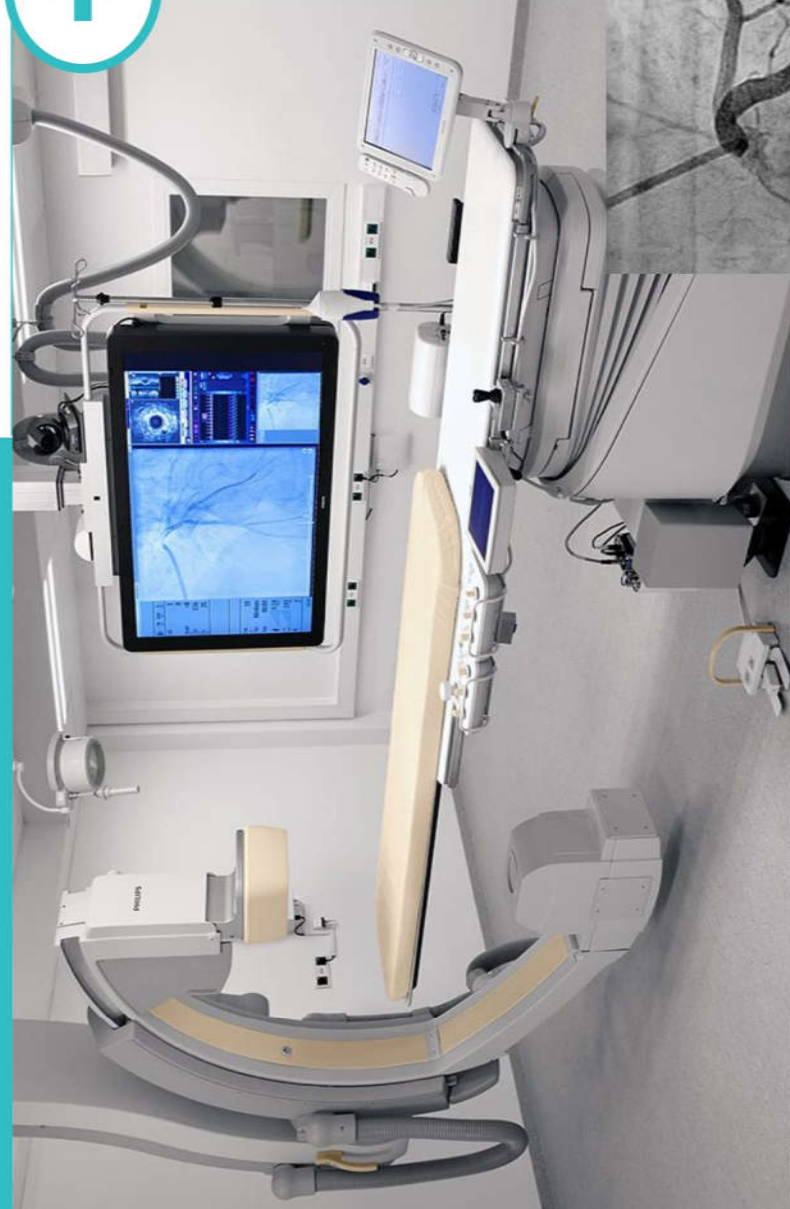
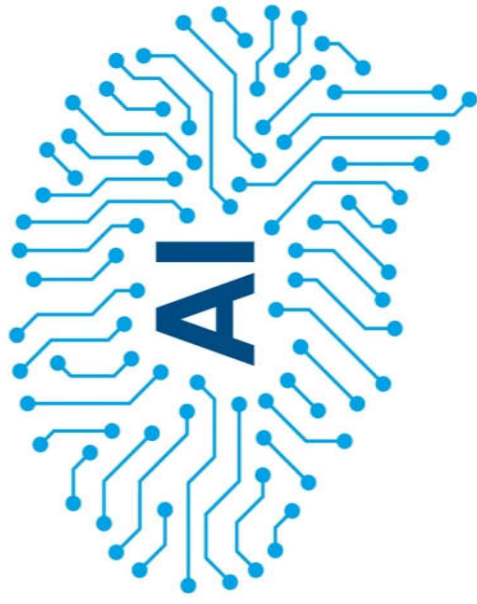


Dr. Mirmohsen Sharifi Bonab
Deputy of Center



<https://tabrizhospital.ir>

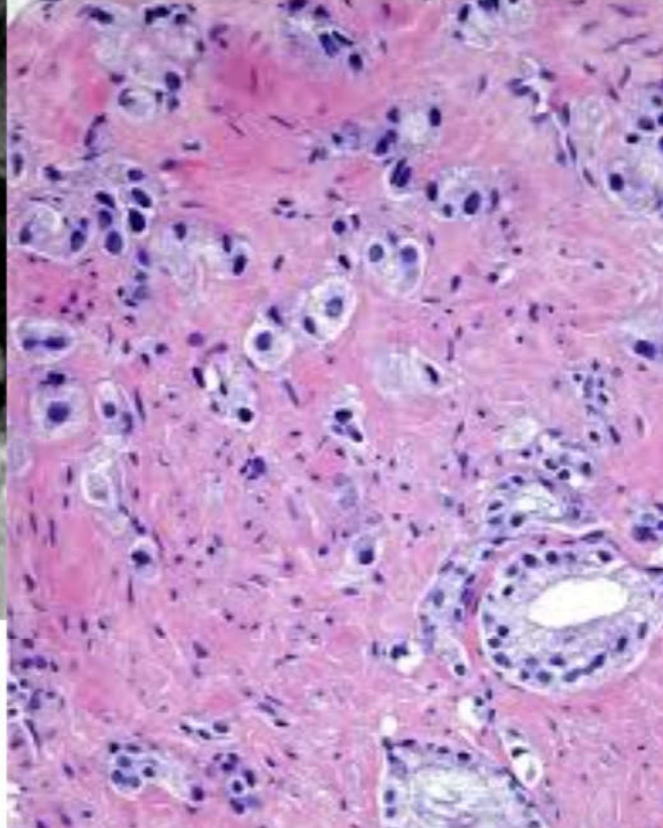
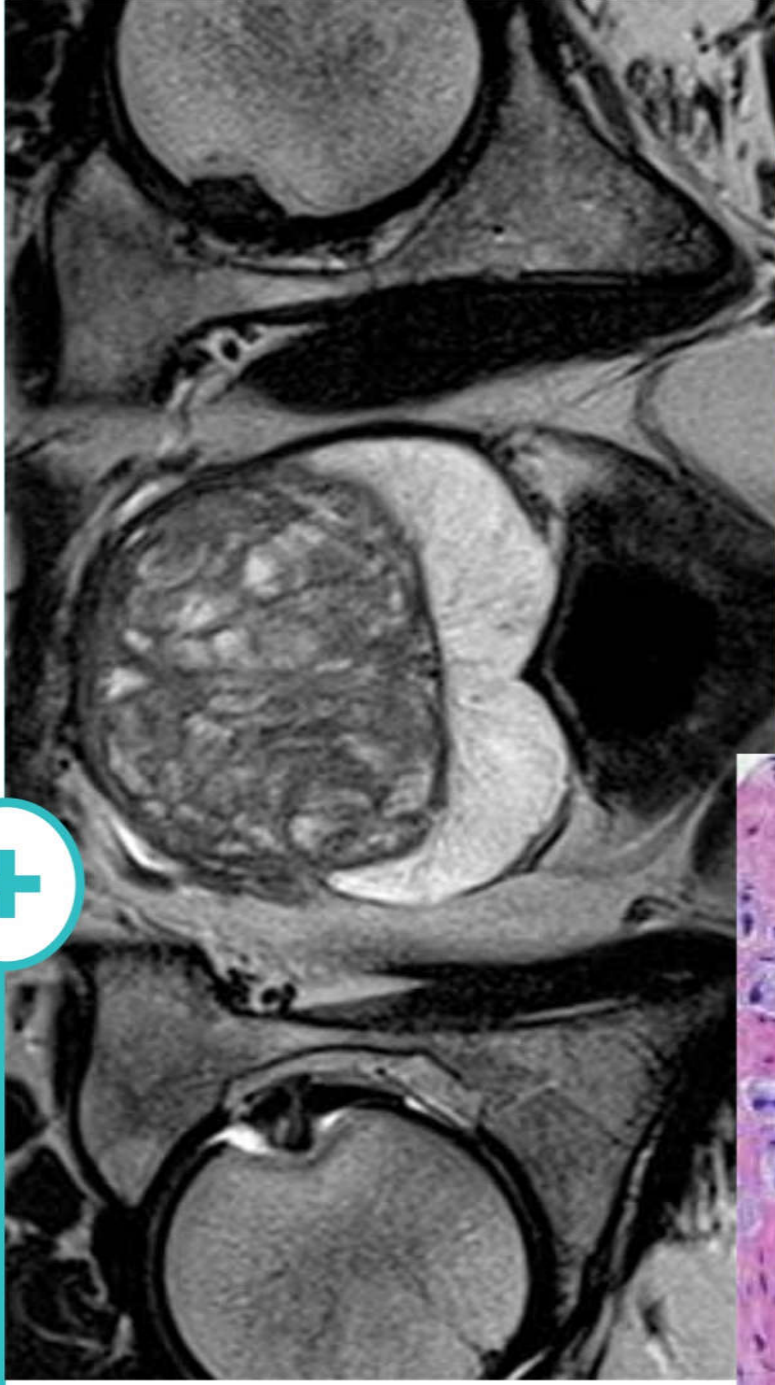
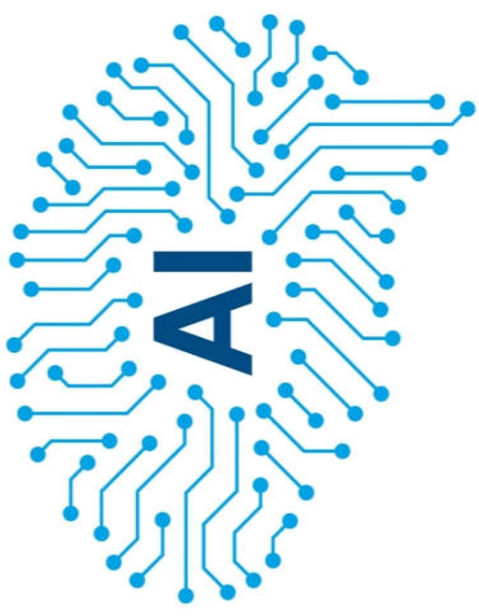
AngioCAD: Computer-Aided Diagnosis System for Automatic Determination of SYNTAX Score in X-Ray Angiography Images Using Deep Learning Algorithm



Goals of study

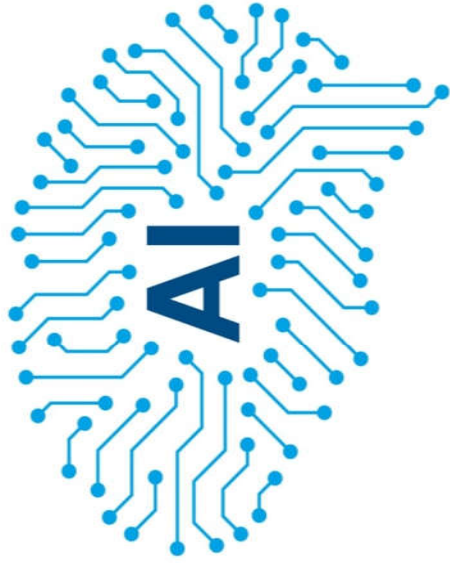
- 1 Determining Patient's SYNTAX Score Automatically.
- 2 Recognition and Segmentation of main Vessels in X-Ray Angiography images.
- 3 Identifying Lesions and their Location

ProstateCAD: Automatic Detection
of risk group in Prostate Cancer
patients based on combination of
genetic profile and MR Images using
Deep Learning Algorithm.



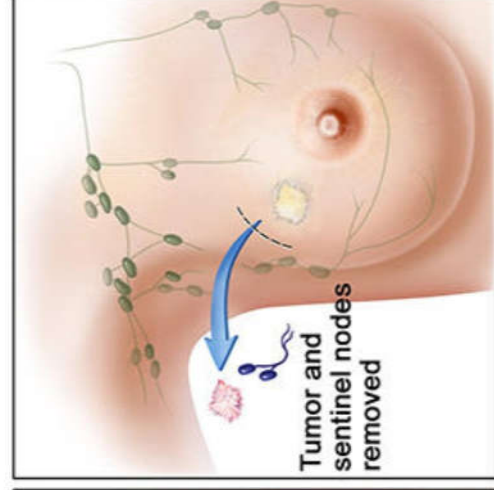
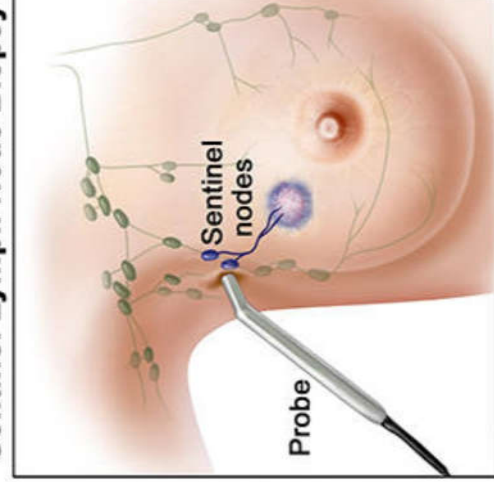
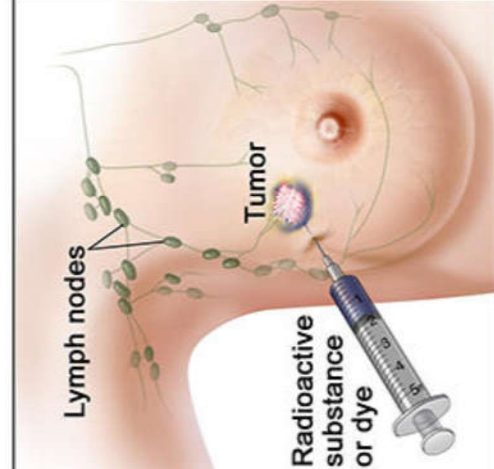
Goals of study

- 1 Removing the need of Prostate Biopsy in most of the time.
- 2 Identifying significant genes and molecular mechanism in risk groups of PCa.
- 3 Diagnosing risk group based on



LyNoCAD: Introducing robust biomarkers for improved screening and lymph nodes metastasises classification of patients with breast cancer.

Sentinel Lymph Node Biopsy



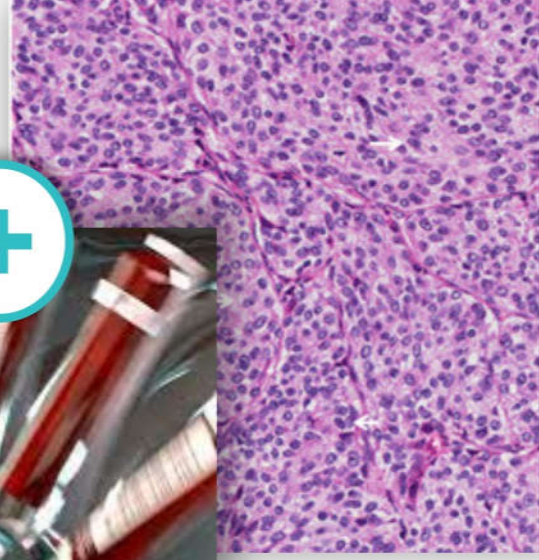
Goals of study

1

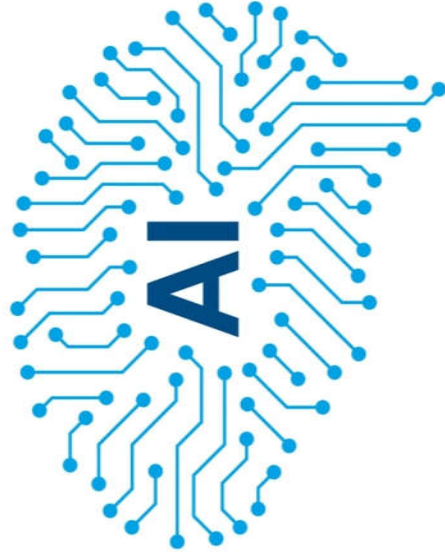
Determining the Lymph Nodes metastasis status.

2

Identifying significant genes, which play Important role in Lymph Node status.



AISCAD: Automated segmentation for Acute Ischemic Stroke based on Non-Contrast Computed Tomography using Artificial Intelligence.



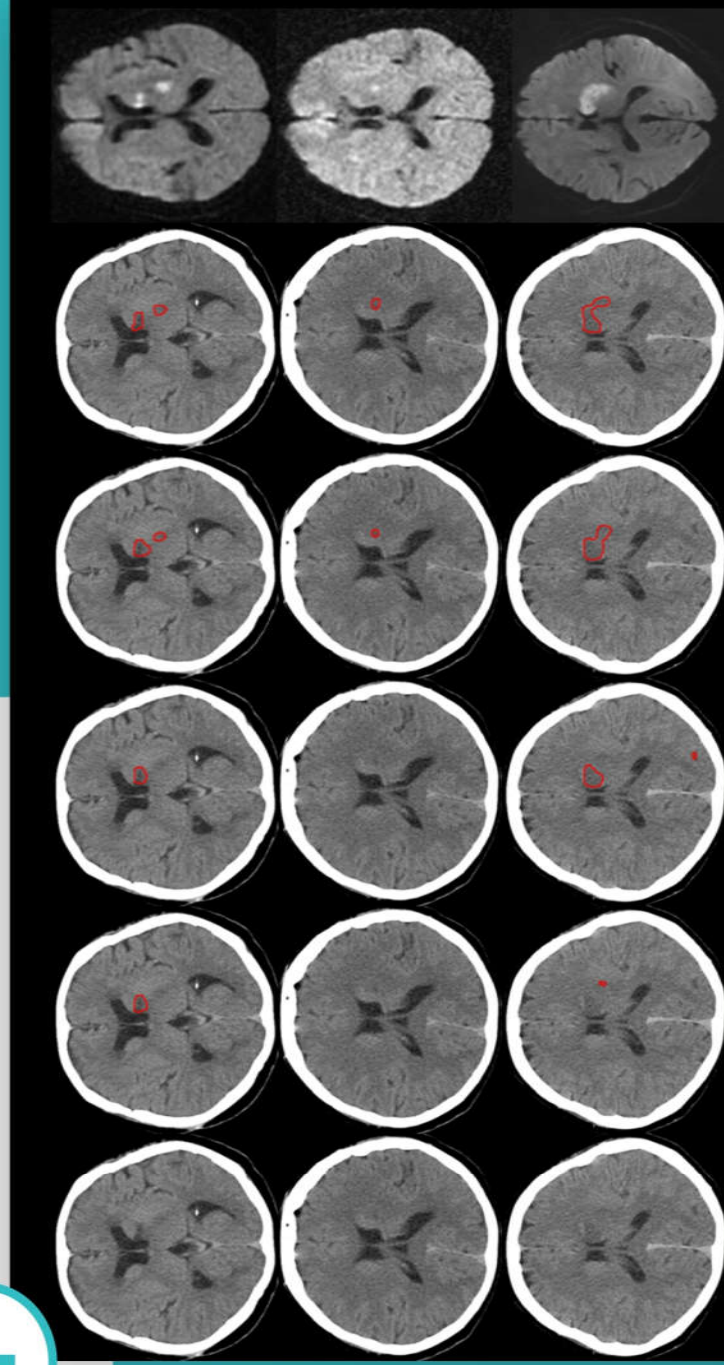
Goals of study

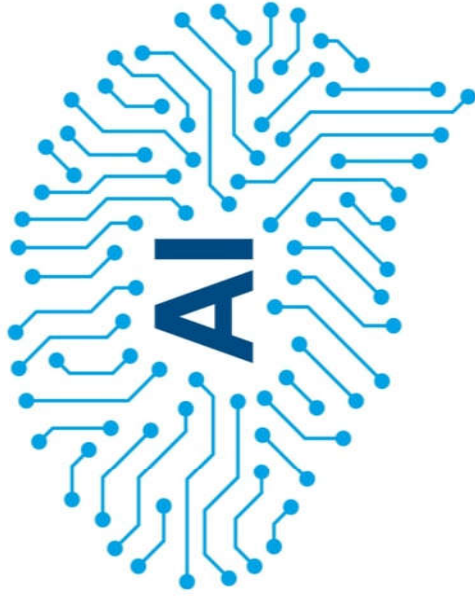
1

Identifying AIS lesion segmentation in NCCT images.

2

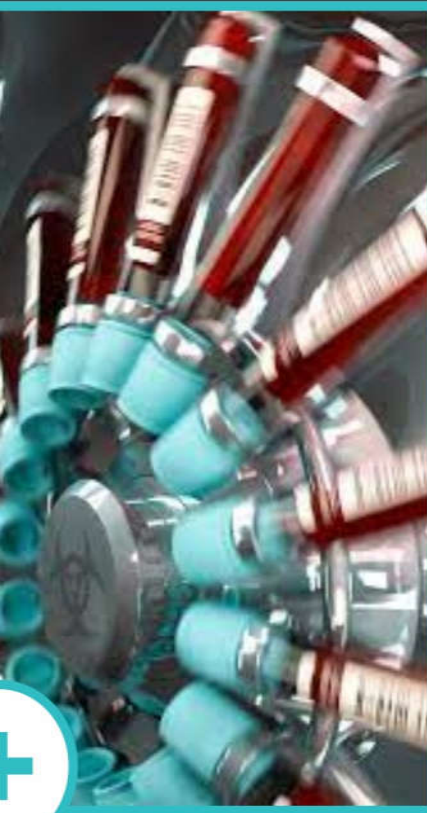
Help to healthcare team for making accurate and fast decision.





Identification of potential blood biomarkers for Parkinson's Disease (PD) based on genomic data using Machine Learning Algorithms.

+



Goals of study

1

Identifying significant genes and molecular mechanisms in PD.

2

Collecting Genetic and Clinical profiles of Iranian PD population (collaborating with New South Wales University).

