

# Parkinson's Disease Prediction Report

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## Prediction Results

**Prediction:** Parkinson's Detected  
**Input Data:**

Feature	Value
MDVP:Fo(Hz)	1.0000
MDVP:Fhi(Hz)	1.0000
MDVP:Flo(Hz)	1.0000
MDVP:Jitter(MDVP:Jitter(Abs)	1.0000
MDVP:RAP	1.0000
MDVP:PPQ	1.0000
Jitter:DDP	1.0000
MDVP:Shimmer	1.0000
MDVP:Shimmer(dB)	1.0000
Shimmer:APQ3	1.0000
Shimmer:APQ5	1.0000
MDVP:APQ	1.0000
Shimmer:DDA	1.0000
NHR	1.0000
HNR	1.0000
RPDE	1.0000
DFA	1.0000
spread1	1.0000
spread2	1.0000
D2	1.0000
PPE	1.0000

## Feature Importance

Feature	Importance
PPE	0.1419
MDVP:Fo(Hz)	0.1036
spread1	0.1006
MDVP:Flo(Hz)	0.0794
Jitter:DDP	0.0621
MDVP:Fhi(Hz)	0.0536
spread2	0.0487
NHR	0.0396
MDVP:Jitter(Abs)	0.0382
MDVP:RAP	0.0363

## Model Parameters

- Model: Random Forest Classifier
- Number of Estimators: 100
- Random State: 42
- Preprocessing: StandardScaler (zero mean, unit variance)