

ParkD

Detecting Parkinson's Disease using vocal measurement and spiral hand drawing

Questionnaire Result

Do you have any slow movement in your limbs, face, walking, or overall body?	sometimes
Do you have a tremor, or shaking, in one of your limbs, most commonly your hand or fingers?	no
Do you have muscle stiffness that is both unpleasant and limits your range of motion?	yes
Do you find yourself losing your sense of balance?	no
Have you noticed a lack of automatic movements such as blinking, smiling, or swinging your arms as you walk?	sometimes
Do you have a problem with your sense of smell?	no
Do you have difficulties sleeping and find yourself thrashing around in bed or acting out nightmares while you're deeply asleep?	yes
Have others commented on how soft your voice is or how hoarse you sound?	no
Have you ever been told that you have a serious, depressed, or enraged expression on your face, even when you are not upset?	sometimes
Do you find yourself feeling dizzy when you get out of a seat?	sometimes

Findings

70% has been detected from the questionnaire

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Voice Detection Result

Jitter Local	0.02252638719329097
Jitter (Abs)	0.00012496674382231495
Jitter RAP	0.00898415051607263
Jitter PPQ5	0.009677973154661354
Jitter DDP	0.02695245154821789
Shimmer local	0.11742869643756042
Shimmer local db	1.0793646220889501
Shimmer apq3	0.05999336944535062
Shimmer aqpq5	0.0729400624053824
Shimmer aqpq11	0.09879617876737089
Shimmer DDA	0.17998010833605188
HNR 05	2.7055820423902155
HNR 15	5.532878902064175
HNR 25	3.3117657032086045

Findings

Disease is Not Detected based on the auditory input.

Detecting

Spiral Detection Resu



Findings

Disease is Detected based on the image input.