

# GaiT WATCH™

## A Fall Risk Prediction & Gait Monitoring Device

- Are you seeing a change in the way your parent elders at home walk?
- Are your loved ones / elders at home have weak gait / gait impairments?
- Are you afraid that they are likely to fall down at any time and sustain injuries?
- Do you like to prevent them from an imminent fall?



Ethical Clearance for Human Trails by

Institutional Human Ethical Clearance Committee (IHEC)

PSG Institute of Medical Science & Research, Coimbatore (PSG IMSR)

GaiT  
watch™

# GaiT WATCH™

An **Effective & User-friendly Solution** to tackle one of the biggest health risks of geriatric population - falls and associated morbidities

## How is FALL RISK estimated?

Estimates the fall risk score of the individual based on the gait parameters accurately measured using the Gait Watch in just a brief session of walk



## BENEFITS



Monitors effects of therapeutic interventions & disease progression



Gait score as a clinical indicator for monitoring therapeutic efficiency



Minimizes huge health care associated cost following fall-related injuries



Comprehensive evaluation of gate metrics (step length, stride length, velocity, cadence, range of motion, type of gait and fall risk score) within few minutes

## SALIENT FEATURES



Instant report generation



Quick to conduct a Gait test



Easy to wear & easy to operate



Keeps track of progression of Gait Metrics



Quantitative Evaluation of Gait bio mechanics



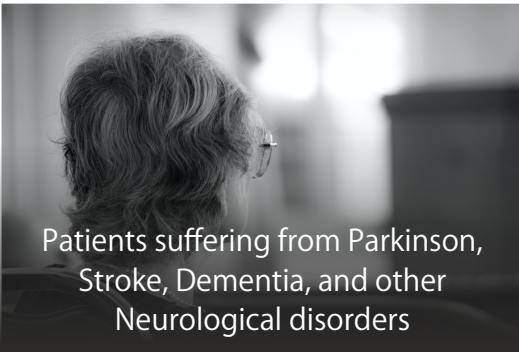
# THE BENEFICIARIES



Geriatric patients with weak / impaired gait



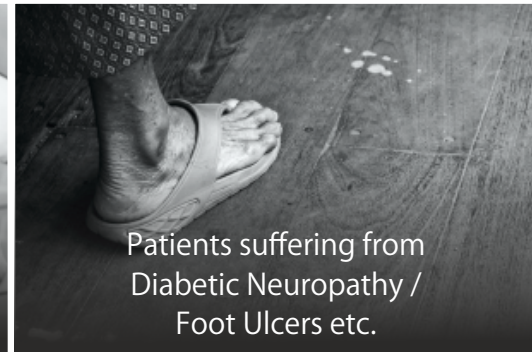
Post-operative patients of Spine, Hip, Knee and other orthopedic conditions



Patients suffering from Parkinson, Stroke, Dementia, and other Neurological disorders



Patients under Rehabilitation after Neuro Muscular disorders



Patients suffering from Diabetic Neuropathy / Foot Ulcers etc.



Physically challenged and special children with gait impairments



Athletes / Sports persons suffering from sports-related injuries



## Innovative Technology | Cost Effective User Friendly | Accurate



GAIT ASSESSMENT REPORT			
Name	[REDACTED]		
Age	75		
Patient ID	NE36		
Gender	Male		
Mobile No.	[REDACTED]		
Primary diagnosis	Genetic		
Fall Assessment Model Morse Fall Scale			
Gait Report			
Date	06/04/2021		
Time	09:15:01		
		Reference Value	
Step Count(Steps/10 sec)	42	46 - 51	
Cadence(steps/min)	94.00	91 - 101	
Velocity(m/sec)	0.93	1.21 - 1.54	
Step Length(m)	0.59	0.62 - 0.74	
Stride Length(m)	1.19	1.24 - 1.48	
RoM(deg/sec)	53.37		
Gait Assessment	Normal Gait	0-24 (No Fall Risk)	
Fall Risk Score	0	25-50 (Low Fall Risk)	
Fall Risk Category	No Fall Risk	>50 (High Fall Risk)	
Fall Risk Assessment			
Conventional Morse Model	Good		
Weighted Morse Model	No Fall Risk		
Approved by			
(Signature)			

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PSG College of Technology, Coimbatore



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Incubation Funded



Incubation Support



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