

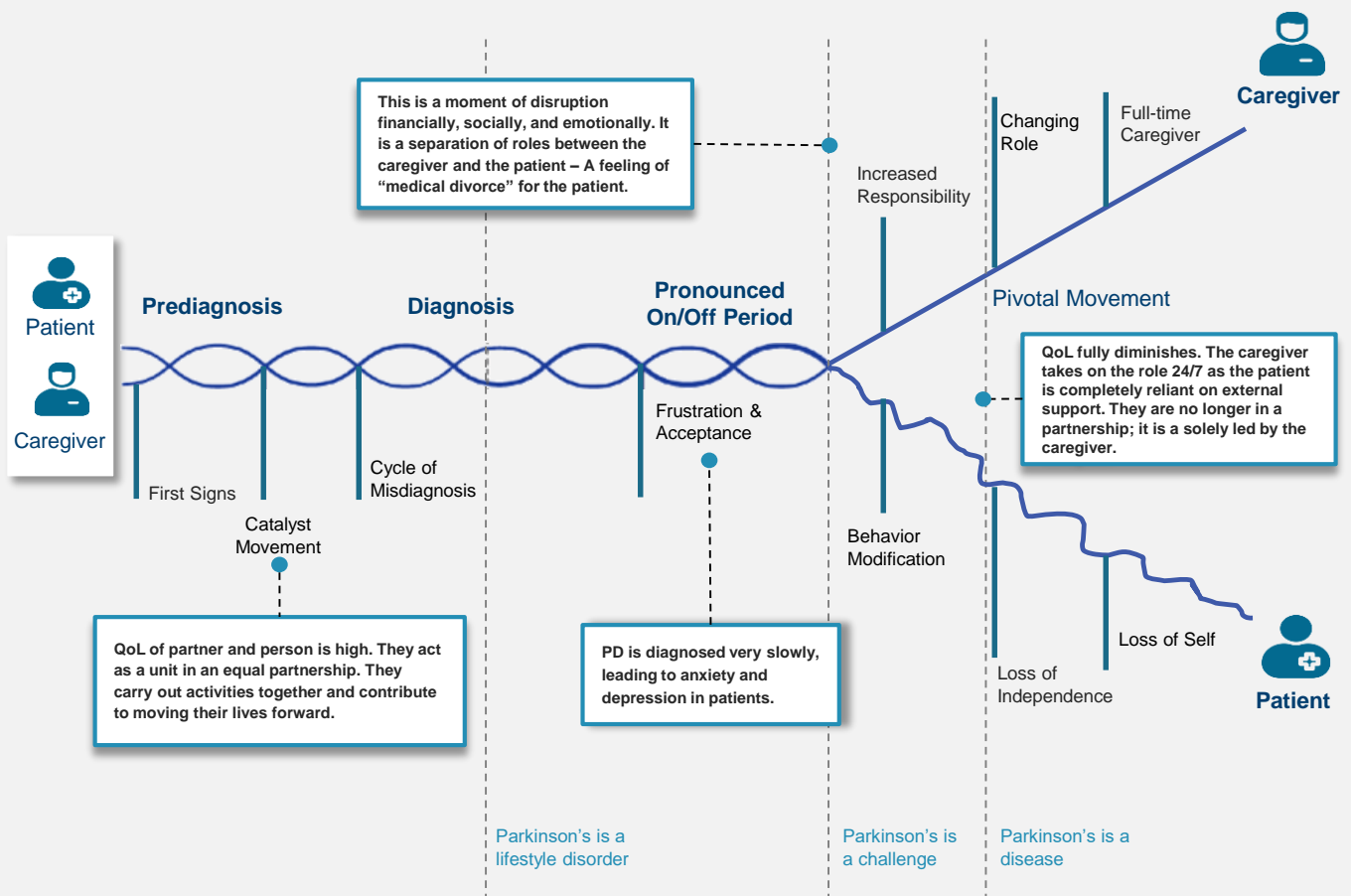
Patient Journey in Parkinson's Disease

The Effect of a Progressive Neurological Condition on Patients and Caregivers

Parkinson's disease (PD) is a progressive neurological condition that is characterized by motor and non-motor symptoms. Over the past 25 years, worldwide PD cases have doubled, reaching over 8.5 million people in 2019. PD is commonly diagnosed in individuals aged 60 or older, with men being 1.5 times more likely than women to develop the disease. Since PD is a progressive neurological disorder for which there is currently no cure, it significantly deteriorates the quality of life (QoL) for both patients and their caregivers.

PATIENT AND CAREGIVER JOURNEY

- PD is a complex journey with unpredictable progression rates and diverse symptoms. It affects not only patients and professionals but also partners, family, and friends. As the disease advances, walking and speech become challenging.
- Managing PD negatively impacts the patient's QoL, leading to depression, low confidence, and loss of control.
- The decline in QoL is mainly due to new symptoms, medication effects, and side effects. Recognizing shared characteristics and difficulties can help pharmaceutical companies address the unmet needs of caregivers and individuals with Parkinson's disease.



2–5 Years

Prodromal stage

- Hyposmia
- Sleep disturbance
- Depression
- Constipation and other non-motor symptoms



3–6 Years

Early motor stage

- Fatigue
- Pain
- Diplopia



4–12 Years

Early stage – Mild stage

- Anxiety
- Hypophonia
- Dysphagia
- Sleep disturbance



8 Years

Late stage

- Dementia
- Cognitive dysfunction
- Hallucinations
- Incontinence
- Sexual dysfunction
- Orthostatic hypotension

PATIENT BREAKPOINTS

Key Breakpoints	Representative Quotes
Coping with living with the condition	"My non-motor symptoms are getting worse where it's literally affected every joint in my body, including jaw, which made it difficult to eat solid food. I just don't know what I'm supposed to do to cope or to work on."
Understanding the disease and causes	"From the time of diagnosis, my symptoms have been on and off. I don't understand if my medications are working or are my symptoms getting worse over time."
Identifying and mitigating symptoms	"Tremor, rigidity, and other movement symptoms affected one side of my husband's body. It has now started to affect both the sides of the body. Should I be worried?" – Caregiver
Managing disease progression	"Will you please explain the difference in disease progression between tremors and rigid forms of PD?"
Understanding diagnostic tests, procedures, and results	"I have been diagnosed with very early PD after several rounds of misdiagnosis. Because there is no conclusive screening or test, I did not meet the clinical diagnosis criteria."

Emotional Need Medical Need

Right from understanding key issues to advising you through the right set of insights and recommendations, Aranca Research, consolidation, and insightful analysis to aid in-depth understanding of therapy and effective decision-making

HOW CAN ARANCA HELP?

01

Patient Journey Mapping: Pre- and post-diagnosis, field stories, and burdensome part of disease from patient and caregiver perspective

02

Disease Progression Modeling: Parameters used in disease progression, disease and symptom progression

03

Patient Breakpoint Analysis: Understanding key pain points in the patient journey from patient and caregiver perspective

04

Unmet Needs Mapping and QoL: Disease progression, symptoms impacting QoL, daily activity impairment

05

Economic Burden and Unmet Need Analysis: Impact of disease on patient's economic well-being and unmet needs analysis

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