

Not Just the Shakes: Non-motor Symptoms in Parkinson's

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Who am I and why Parkinson's?



every victory counts .

- 1. Non-motor symptom burden in Parkinson's
- 2. Neuropsychiatric symptoms in Parkinson's
- 3. Pain in Parkinson's
- 4. Barriers to identifying and managing non-motor symptoms
- 5. Take action!



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Non-motor Symptoms in Parkinson's

- Neuropsychiatric
- Gastrointestinal
- Sleep disturbance
- Respiratory

- Somatic
- Cognitive
- Cardiovascular
- Genitourinary
- Visual dysfunction



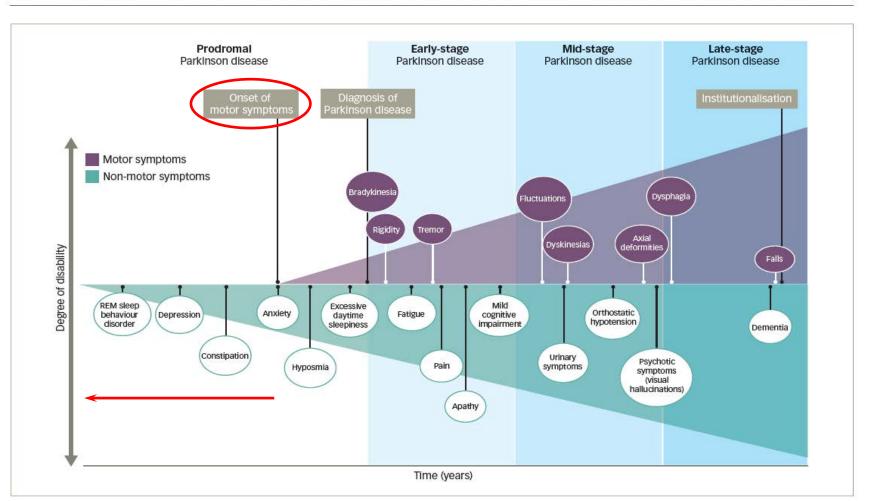
every victory counts .



Symptom Burden in Parkinson's



Figure 1: Summary of Parkinson's disease stage and motor and non-motor symptoms that predominate at each stage²⁴



Takeaway: Non-motor symptoms are common, start before motor symptoms, and have a major impact on quality of life

REM = rapid eye movement. Adapted from Poewe et al., 2017



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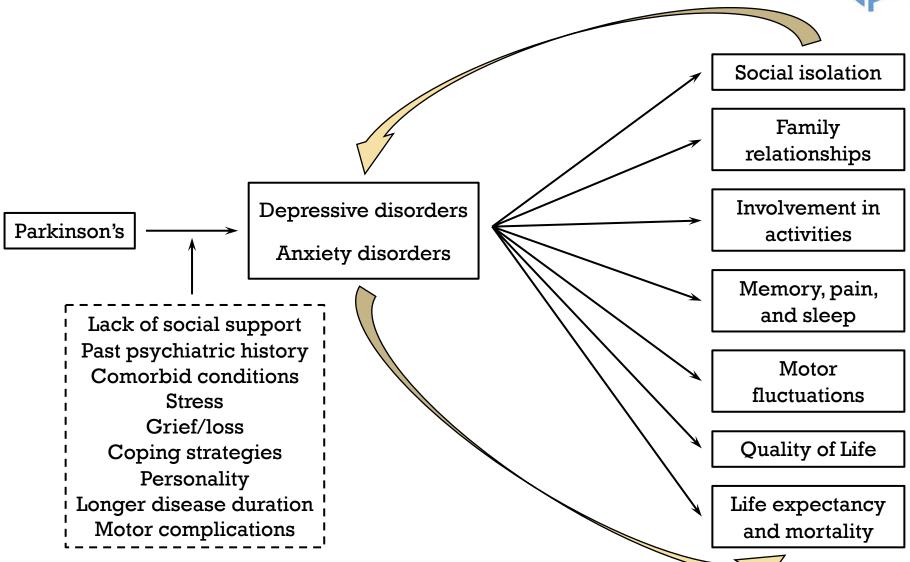
Neuropsychiatric Symptoms in Parkinson's

- Depression
 - Present in around 40% of patients
 - May not manifest as low mood
- Anxiety
 - Present in 30-40% of patients
- Apathy

Symptoms are unrecognized/untreated in around 50%

Effects of Mood Disorders in Parkinson's





Takeaway:
Mood disorders
have a major
impact on
many other
symptoms!

every victory counts .



Managing Mood Symptoms in Parkinson's

- Pharmacologic
 - Depression and anxiety MORE responsive to medications than apathy
 - Many options available
 - Most are daily preventive medications

- Non-pharmacologic
 - Counseling
 - Exercise*
 - Utilize support network*

*Adjunctive management

Takeaway: Mood symptoms are often treatable - Talk to your provider!

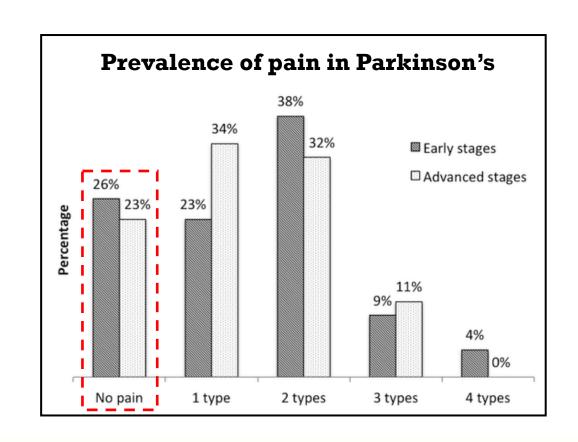


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Pain in Parkinson's

- Pain is common!
- Many causes
 - Orthopedic issues
 - Muscle stiffness
 - Abnormal posture
 - Dystonia
 - Nerve pain
- Pain can have an impact on nearly EVERYTHING else!





Managing Pain in Parkinson's

- Identify the cause of pain
- STAY ACTIVE!
 - Exercise
 - Physical therapy
- Optimize motor symptom management
- Consider pharmacologic therapy directed toward the cause

Takeaway: Pain is common, and activity can help to manage it



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Barriers to Symptom Management



every victory counts ®

Patient Barriers



Focus on managing motor symptoms

Discomfort managing specific symptoms

Limited time with patients

Systems Barriers

Ineffective clinical and alternative therapies

No efficient, proactive systematic evaluation

Unsure of

Unsure of relevant symptoms

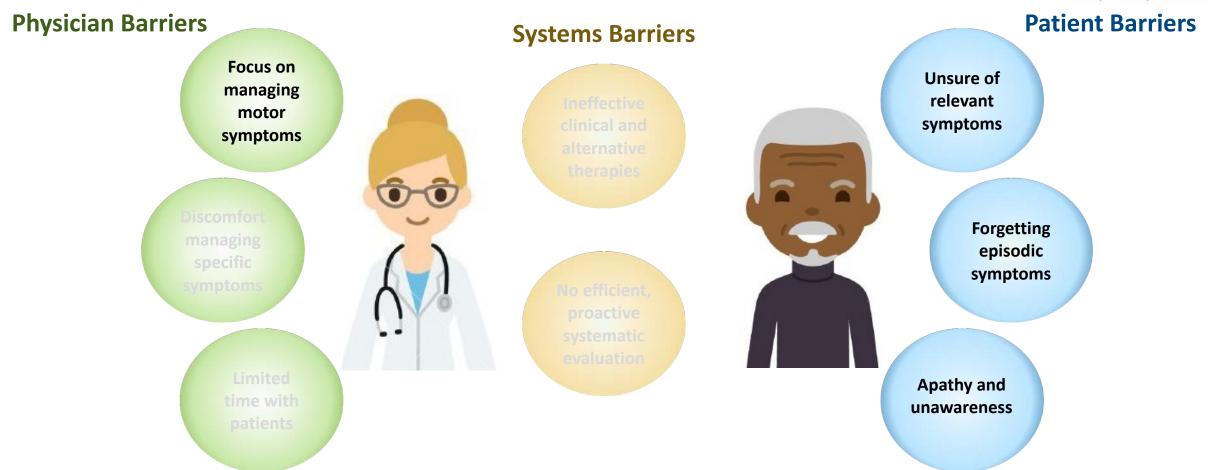
Forgetting episodic symptoms

Apathy and unawareness

Barriers to Symptom Management



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Takeaway: Be aware of common non-motor symptoms, and highlight YOUR priorities in the visit



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Takeaway Points and Action Steps

- 1. Non-motor symptoms are common, accumulate with progression and have a major impact on quality of life
- 2. Mood disorders are common, have a major impact on other symptoms and are treatable Talk to your provider about them!
- 3. Pain is common in Parkinson's, and activity can help to manage it
- 4. Be aware of common non-motor symptoms and highlight YOUR priorities in the visit