

TREATMENT CHALLENGES IN PARKINSON'S DISEASE

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55 YEAR OLD MALE RECENTLY DIAGNOSED WITH PARKINSON'S DISEASE

- Mild resting tremor of right hand
- Right arm rigidity (stiffness)
- Slow (bradykinesia) causing difficulty with work and performing tasks at home
Stooped posture
- Good balance

EARLY PARKINSON'S I'VE BEEN DIAGNOSED WITH PARKINSON'S –NOW WHAT?

- Early initiation of carbidopa/levodopa therapy –is it right for me?
- What are my medication options?
- Do I have to take medicine?
- What other treatment options do I have?

70 YEAR OLD MALE WITH 10 YEAR HISTORY OF PARKINSON'S

- Right greater than left resting tremor of upper and lower extremities
- Rigidity (stiffness) in upper and lower extremities
- Slow movements (bradykinesia)
- Improvement of symptoms for 2-3 hours after taking carbidopa levodopa but medication seems to wear off before next dose is due

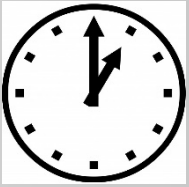
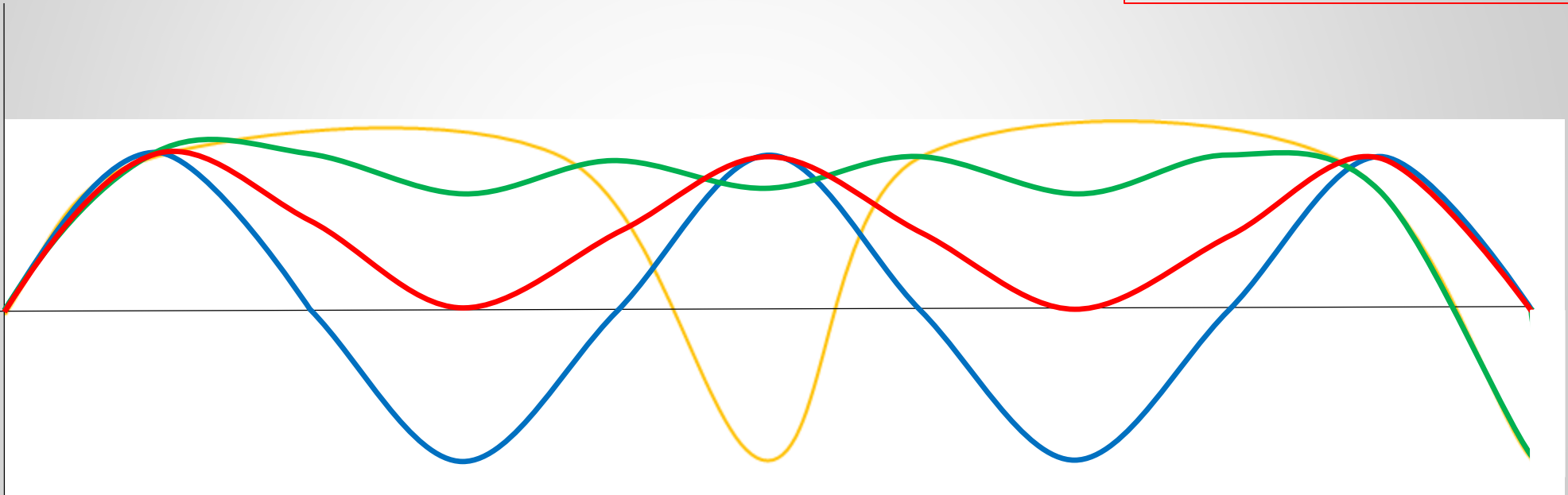
MY MEDICATIONS WORK BUT DO NOT LAST LONG ENOUGH. WHAT CAN I DO?

- Oral medications
- Intestinal levodopa
- DBS

- Carbidopa/levodopa IR
- Rytary (Carbidopa/levodopa ER)
- Duopa (levodopa intestinal gel)
- Deep brain stimulation

Symptoms under control - "on time"

Re-emergence of symptoms - "off time"



DEEP BRAIN STIMULATION

- What *does* it treat?
- What *doesn't* it treat?
- How early in the disease process is too early?
- How late in the disease process is too late?
- Who *is* a candidate for DBS?
- Who *is not* a candidate for DBS?
- Are there any absolute contraindications to DBS?

68 YEAR OLD FEMALE WITH ABNORMAL GAIT AND FALLS

- Feet get “stuck” when walking through doors
- Trips going up stairs
- Poor balance –falls if turns too quickly

ABNORMAL GAIT, POOR BALANCE, AND FALLS

- What's causing my impaired gait and balance?
- What's the best strategy for managing falls and imbalance?
- Is there medication and/or other treatment that can help?

APPROACHES TO MANAGING BOTHERSOME NON-MOTOR SYMPTOMS

- Anxiety
- Depression
- Apathy
- Hallucinations and delusions

QUESTIONS?