

PARKINSON SUPERWALK.



PARKINSON.BC.CA/SUPERWALK



We are adapting to the new normal this year by bringing you an engaging online SuperWalk experience, featuring monthly fundraising and exercise challenges, and a live-streamed opening ceremony on Saturday, September 12th.

This event will help us carry on providing the programs, support services, educational resources, and advocacy that people with Parkinson's, their families, and carepartners rely on.

Gather your teammates, register online, and start fundraising today!







PARKINSON'S DISEASE

Frequently Asked Questions

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OBJECTIVES

This talk will provide an overview of Parkinson's disease informed by questions that I
am frequently asked by patients across the disease spectrum





DISCLOSURES



None



WHAT CAUSES PARKINSON'S DISEASE?

 Parkinson's disease is the second most common neurodegenerative disease, after Alzheimer's.

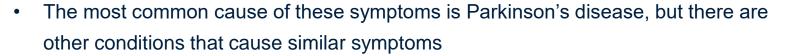


- For most people, the cause is unknown
 - Perhaps 5-10% of cases are genetic
 - Having an affected first-degree relative doubles the risk of PD
- In most cases, small, abnormal fragments of a protein called alpha-synuclein accumulate in neurons and form Lewy Bodies. Something about this process seems to be toxic to the neurons



WHAT IS THE DIFFERENCE BETWEEN PARKINSONISM AND PD?

- Parkinsonism is an umbrella term that describes a set of symptoms:
 - Resting tremor
 - Muscle rigidity
 - Bradykinesia slow, clumsy movements



- Other neurodegenerative diseases
- Certain medications





HOW DO YOU DIAGNOSE PARKINSON'S DISEASE?



- Parkinson's disease is a clinical diagnosis
 - The only definitive test is an autopsy (not a popular option!)
- DaT scans have recently been approved in Canada, but are about as good at diagnosing PD as a movement disorder neurologist
 - We get it right about 60-70% of the time in early disease, and 85-90% of the time in more advanced disease



WHY IS IT SO HARD TO DIAGNOSE PD?

- Most people misdiagnosed with Parkinson's disease have a different neurodegenerative disease instead
 - Multiple system atrophy
 - Dementia with Lewy Bodies
 - Progressive Supranuclear palsy
- In the first few years of disease, the symptoms of these other conditions can be identical to PD
- Neurologists are on the lookout for "red flag" symptoms at every appointment





IS THERE A CURE FOR PD?



- Unfortunately not (yet!)
- There are drugs in trials targeting specific genetic subtypes of PD
- Exercise seems to slow progression of the disease



WHAT TYPE OF EXERCISE SHOULD I DO?

We don't know if there is a best exercise



- 30 minutes of moderate intensity exercise daily
- Mix of cardio, strengthening, stretching and balance
- Many PD exercise classes exist PWR, boxing, dance, etc.
- Tai Chi, Qi Gong and Yoga have been shown to improve balance and reduce the risk of falls

WHAT DIET SHOULD I FOLLOW?



- There is currently no specific diet recommended for people with PD
- The MIND diet may help reduce the risk of developing neurodegenerative diseases and slow brain aging
 - Fresh vegetables, berries, nuts, olive oil, fish, wine (in moderation!)



WHAT SUPPLEMENTS SHOULD I TAKE?

No supplements have been shown to affect disease progression in PD



- Magnesium can help with constipation and leg cramps
- Vitamin D may be beneficial, especially if levels are low or borderline
- Several supplements have been shown to be ineffective (at least on their own):
 - Vitamin E
 - Co-Enzyme Q10
 - Creatine
 - Glutathione



AM I AT HIGHER RISK OF COVID-19 BECAUSE I HAVE PD?



- There are few reports yet addressing this issue
- In general, patients with PD are not considered to be immunocompromised
- Reported PD patients with severe COVID-19 were more likely to have hypertension, diabetes, dementia or advanced disease









ISN'T LEVODOPA TOXIC?



- Many studies have been done to assess whether levodopa affects progression of Parkinson's disease
- Levodopa is a purely symptomatic treatment and has no effect on disease progression



WILL MY MEDICATION LOSE EFFECT AS MY BODY GETS USED TO IT?

Short answer: no



- Levodopa will continue to be effective to treat symptoms that respond to levodopa
- With disease progression, you may develop symptoms that are not related to dopamine deficiency – these symptoms will not respond to levodopa
- Over time, each dose of levodopa will last less time this is because of a reduced ability of the brain to store levodopa as the disease progresses



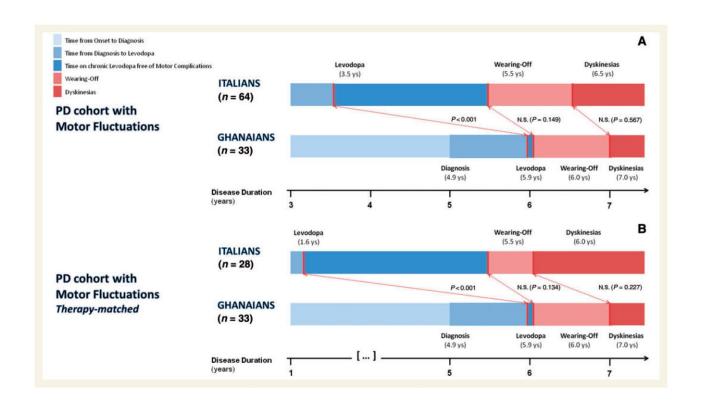
WHAT CAUSES DYSKINESIAS?



- The exact cause and mechanism of dyskinesias is not fully understood
- The biggest contributor to the development of dyskinesias is how long you've had PD
- Intermittent dopamine treatment may influence the development
 - But no correlation between developing dyskinesias and length of time on medication
- People who have never taken any treatment for Parkinson's may have dyskinesias after their very first dose of levodopa



SHOULD I WAIT TO TAKE MEDICATION SO THAT THE BENEFIT LASTS LONGER?







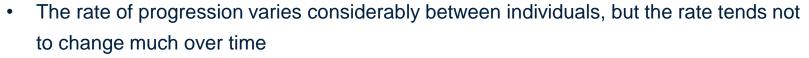
MY NEIGHBOUR/GRANDSON/DAUGHTER TOLD ME I SHOULD TRY CANNABIS...



- Cannabinoid receptors are widely distributed throughout the brain
- There are currently only a few small studies of cannabis in PD with conflicting results
- At present, the role of cannabis in treating symptoms of PD is unknown



HOW FAST WILL MY CONDITION PROGRESS?





- If symptoms suddenly change (over hours a few days), see your family MD!
- In general, the younger you are when the disease begins, the slower the progression
- Average disease duration is 15 years
 - Average age of onset is 65
 - Average life expectancy of a Canadian 65 year-old is 20 years (men 18, women
 21)



HOW COMMON IS DEMENTIA IN PEOPLE WITH PARKINSONS?



- Cognitive impairment is (unfortunately) very common
- 80% of patients will develop cognitive impairment within 20 years of disease onset
- Younger people are less likely to develop cognitive issues.



WHAT CAN I DO TO LIVE AS WELL AS POSSIBLE WITH PD?

Stay engaged

UBC

- Stay active
- Stay informed
- Give yourself permission to grieve
- Prepare for the foreseeable



A PLUG FOR ADVANCED CARE PLANNING



- Regardless of your age or state of health, now is the time to think about your end-of-life wishes
 - Ministry of Health has resources to help
- Draw up advanced directives and designate power of attorney (POA)
- Make sure your family (especially your POA) knows your wishes



QUESTIONS?









THE UNIVERSITY OF BRITISH COLUMBIA

