

WHAT IS PARKINSON'S?

1M / US **5M** / WORLD

TODAY, AN ESTIMATED **ONE MILLION** PEOPLE IN THE UNITED STATES AND MORE THAN **FIVE MILLION** WORLDWIDE ARE LIVING WITH PARKINSON'S DISEASE.

PARKINSON'S DISEASE AFFECTS **ONE IN 100 PEOPLE OVER AGE 60**. IN THE UNITED STATES, 60,000 NEW CASES WILL BE DIAGNOSED THIS YEAR ALONE.

1 / 100
OVER
AGE 60

60,000
NEW



3 OUT OF **5**

AMERICANS WILL SUFFER FROM A NERVOUS-SYSTEM DISEASE SUCH AS PARKINSON'S OR ALZHEIMER'S.

LESSER-KNOWN SYMPTOMS

OF PARKINSON'S INCLUDE DEPRESSION, APATHY, FATIGUE, AND DEMENTIA.



RESEARCHERS ARE INVESTIGATING POTENTIAL EARLY SYMPTOMS, SUCH AS

IMPAIRED SENSE OF SMELL, CERTAIN SLEEP DISORDERS, CONSTIPATION, AND UNUSUAL FATIGUE.



TODAY'S BEST PARKINSON'S DRUG WAS **DISCOVERED IN 1967**



LYNDON B. JOHNSON WAS PRESIDENT AND NEIL ARMSTRONG HAD NOT YET WALKED ON THE MOON.

PARKINSON'S DISEASE IS CAUSED BY THE DEATH OF DOPAMINE CELLS.

60 TO 80%

OF THESE CELLS ARE ALREADY LOST BY THE TIME MOTOR SYMPTOMS APPEAR.



DYSKINESIA IS OFTEN MISTAKEN FOR A SYMPTOM OF PARKINSON'S DISEASE, BUT IT IS ACTUALLY A SIDE EFFECT OF PARKINSON'S TREATMENT. **MANY PATIENTS REPORT DYSKINESIA TO BE AS DEBILITATING AS THE DISEASE ITSELF.**



THE EXACT CAUSE OF PARKINSON'S DISEASE IS **UNKNOWN**

BUT BOTH **GENETICS** AND **ENVIRONMENT** ARE CAUSES.



THERE IS **NO TEST**

TO DIAGNOSE PARKINSON'S DISEASE. PEOPLE WITH PARKINSON'S VISIT MULTIPLE DOCTORS AND **CAN WAIT YEARS** BEFORE A CORRECT DIAGNOSIS.



THERE IS NO CURE FOR PARKINSON'S DISEASE TODAY.

BUT THE MICHAEL J. FOX FOUNDATION IS WORKING URGENTLY TO CHANGE THAT.

LEARN MORE AT WWW.MICHAELJFOX.ORG



THE MICHAEL J. FOX FOUNDATION
FOR PARKINSON'S RESEARCH