

PARKINSONISME VERENIGING

Sparks

PICTURES AND PRESENTATION
BY MARINA NOORDEGRAAF



PARKINSONS' DISEASE (PD)

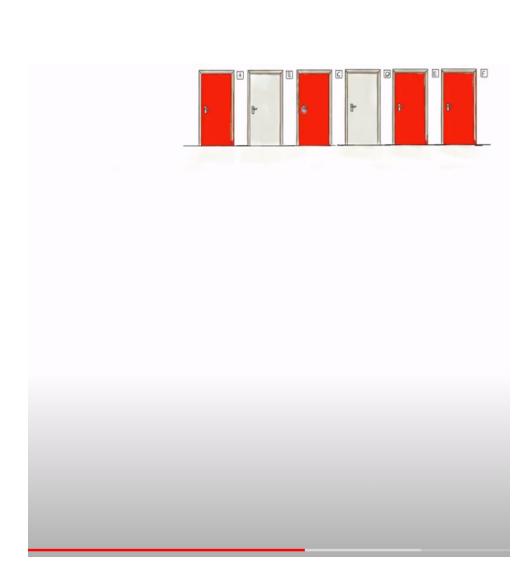
• OLD MEN WITH SHAKING HANDS?

- MOTORIC, PSYCHOLOGICAL, SOCIAL, COGNITIF SYMPTOMS
- FASTEST GROWING NEUROLOGICAL DISEASE
- CHRONIC AND PROGRESSIVE, NO CURE
- LOSS UPON LOSS

• CAUSES? MAN MADE'S DISEASE

- CHEMICALS
- HEAVY METALS (FIRST CASES AROUND MINES IN 1817)
- GENETIC
- HEAD INJURY
- DISTURBANCE OF THE MICROBIOME
- MULTI FACTOR DISEASE





WHY AM I HERE?

WHY SO ACTIVE WITH OUR PATIENT ASSOCIATION?

ON TV — A FARMER AND HIS SON

WE COLLECTED STORIES OF MEMBERS — LINK PD AND PESTICIDES

AND I AIDED MARINA, WHO JUST LIKE ME, SUSPECTS PESTICIDES RUINED OUR HEALTH.



A PILE OF LITERATURE & 3 CONCLUSIONS

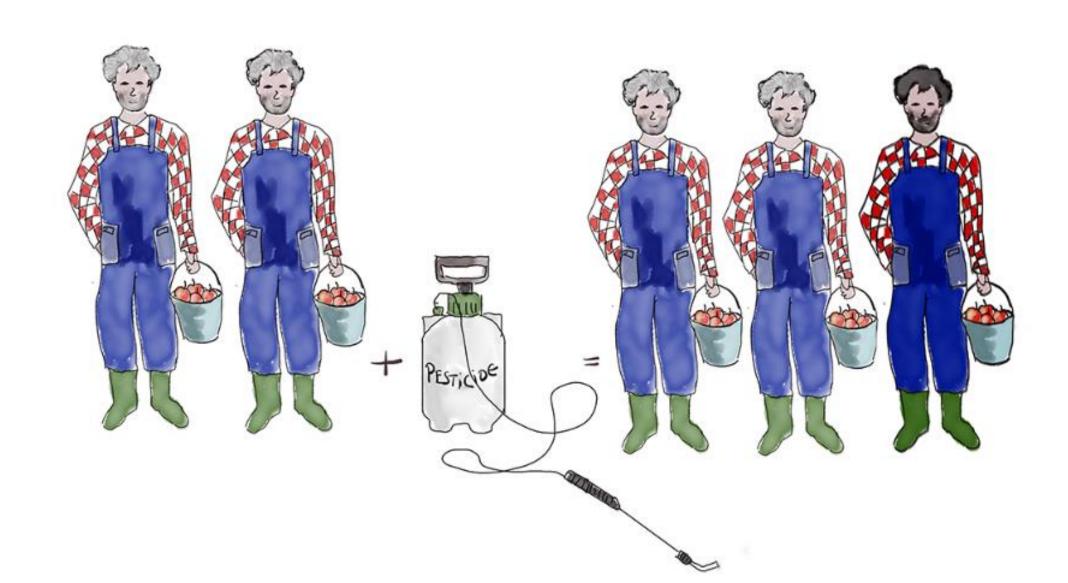
CONCLUSION I

EXPOSURE TO PESTICIDES

INCREASES THE CHANCES OF GETTING PARKINSON'S

FOR EVERY 2 PEOPLE WHO CONTRACT PARKINSON'S ANYWAY ...





CONCLUSION II

EXPOSURE TO PESTICIDES

HASTENS THE AGE OF ONSET OF PARKINSON'S

PEOPLE WITH PARKINSON'S DISEASE
THAT HAVE BEEN CHRONICALLY EXPOSED TO
PESTICIDES IN THE PAST....



PEOPLE WITH PARKINSON'S DISEASE THAT HAVE BEEN CHRONICALLY EXPOSED TO PESTICIDES IN THE PAST....



... HAVE - ON AVERAGE - CONTRACTED THE DISEASE FIVE YEARS EARLIER THAN THEIR NON-EXPOSED PARKIE COLLEAGUES

CONCLUSION ΠI

THE TWO MOST COMMONLY USED PESTICIDES IN THE NETHERLANDS

HAVE (NEURO)TOXIC EFFECTS

GLYPHOSATE

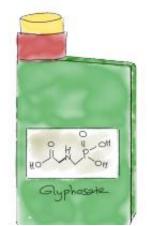
AFFECTS THE ZEBRAFISH'S MEMORY AND MAKES IT PASSIVE



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■ IS LINKED TO CASES OF PARKINSONISM

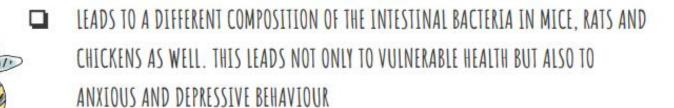






GLYPHOSATE

CHANGES THE INTESTINAL FLORA OF BEES AND INCREASES SUSCEPTIBILITY TO DISEASE AND DEATH





Glyphosate



PARKINSONS' ASSOCIATION?

- WE COLLECT STORIES FROM PEOPLE WHO SUSPECT THAT THEIR DISEASE IS (PARTLY) CAUSED BY PESTICIDES
- WE LINK THESE STORIES TO MEDIA TO GIVE THE ARTICLES AND BROADCASTS A REALISTIC PATIENT LEVEL CONTENT
- WE WORK TOGETHER WITH SCIENTISTS, FUNDRAISERS, HEALTHCARE PROVIDERS
- CAMPAIGNS FOR AWARENESS, WITH PARTNERS LIKE PAN, ENVIRONMENTAL NGO'S, WORKERS UNION
- POLITICAL LOBBY
- WE WANT TO PREVENT AS MUCH NEW CASES OF PARKINSONS AS POSSIBLE

SO WHILE WE WAIT FOR OUR GOUVERNEMENTS TO DECIDE ON OUR HEALTH...

ARE WE SUFFICIENTLY PROTECTING THE VULNERABLE?



