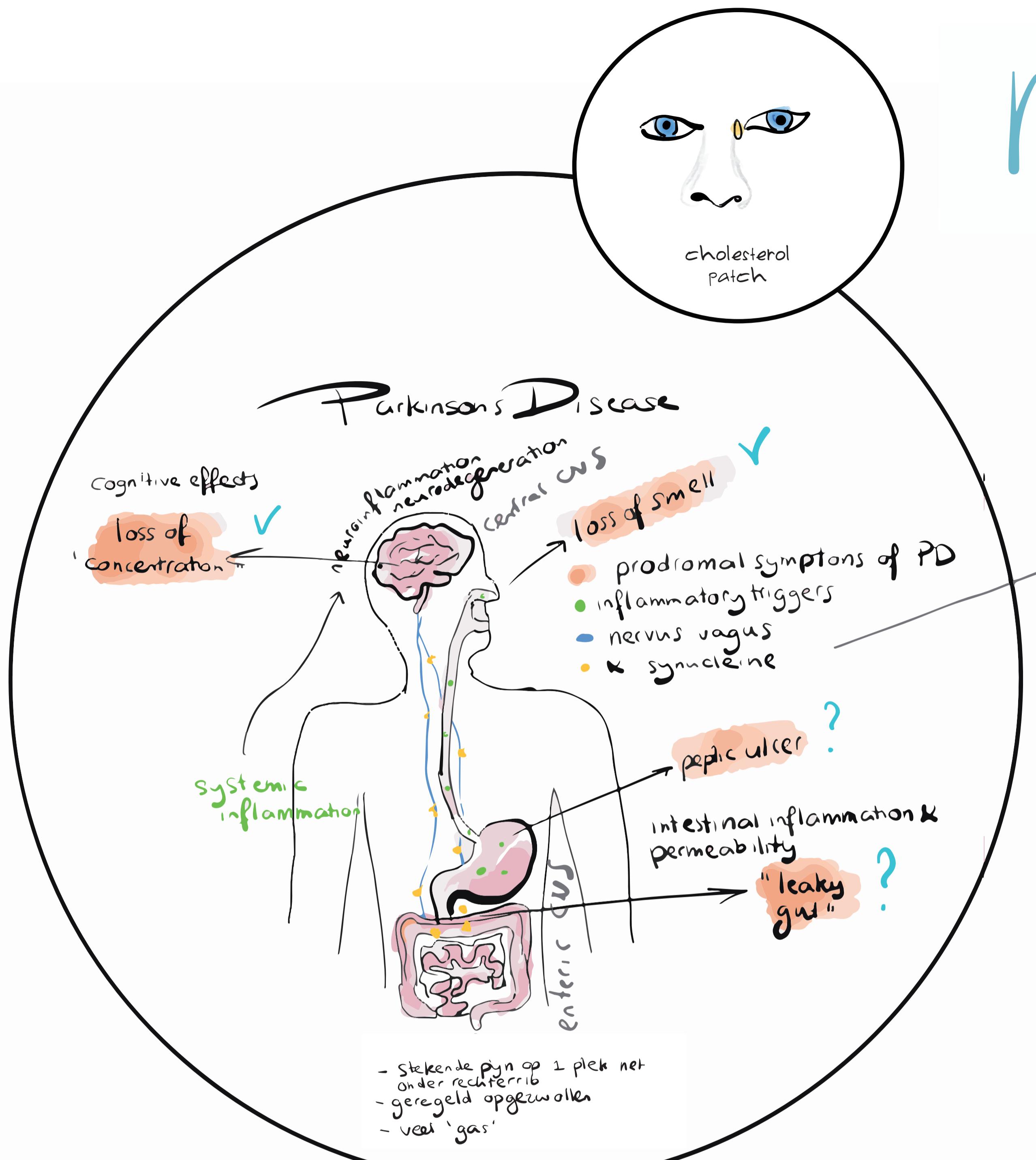


# Mijn Parkinson

relatie tussen MDL en hersenen



diabetes / insulin resistance

PD  
attempt of body to adjust poor uptake of  
high serum LPS < AD  
Defect in cholesterol metabolism  
Cholesterol antioxidant insulator functional component of all membranes Wrapping + delivery neurotransmitters

Helico-  
bacter pylori

antibacterial activity  
↓ eventually pathogenic

Pd  
Anti-inflammatory  
Intestinal firmness  
Pro-inflammatory

- < blautia, roseburia
- < prevotella
- > Akkermansia
- > faecalibacterium
- > Helicobacter

α-synuclein transmission from gut to brain

> LPS producing bacteria

< Blautia Roseburia  
< prevotella  
mucin voor stevigheid intestinal barrier

En nu?

Testen op leaky gut? LPS in bloed, multisugar tests?  
Tester op Helicobacter pylori?

Testen? Leaky gut, peptic ulcer

Uitspraak over antibiotica, probiotica, prebiotica

andere 'specialisten'?

prof. dr. Alletta Kraneveld  
Pharmacolog, UU  
Prof. dr. Ed Kuiper, LUMC

> pro inflammatory cytokines

PD patients have intestinal barrier disruption

- > toll like receptor
- > TLR4 positive cells
- > pro-inflammatory gene profiles
- > pro-inflammatory microbiota
- < SCFA's profile
- < microbial translocation endotoxins



leaky gut

Inflammation

LPS's translocat  
lipopolysaccharide  
> inflammatory cytokines  
> tumor necrosis factor (TNF)

modulate key amino acids e.g. tryptophan

modulate social behaviors

gut bacteria  
produce neuromodulatory SCFA's  
synthesize GABA, dopamine, noradrenaline

Role of gut microbiome in PD is undisputed