

## QUESTIONS FOR

### INTERMITTENT ON DEMAND PEN INJECTION THERAPY IN PARKINSON'S DISEASE

### EARLY MORNING OFF, WEARING-OFF AND DELAYED ON

With progression of Parkinson's disease patients might experience great difficulty with the ability to get up, start and continue daily activities. The beneficial effects of oral medication becomes unpredictable and is failing to control motor and non-motor fluctuations.

Motor fluctuations occur at moderate/intermediate and advanced stages of PD. They are characterized by end of dose phenomenon or "Wearing-Off".

Delays in turning "On" reflect a delay in the absorption of Levodopa. This may be a result of delayed gastric emptying (gastroparesis) or presence of intestinal protein that competes with L-dopa absorption. (Stocchi et al., 2008).

#### "On" Period:

- Time when medication is providing benefit with regard to mobility
- It is possible to do daily activities

#### Clinical limitations of oral medication:

- "Wearing-Off" (time from termination of dose effect until the next dose)
- Time to "On" (the latency from Levodopa intake to turning "On")



# QUESTIONS FOR HCP'S ON EARLY MORNING OFF, WEARING-OFF AND DELAYED ON IN PARKINSON'S DISEASE

The following questions are intended to help to make decisions about symptom control in people with Parkinson's disease (PD) and to identify the need for early adjustment of therapy.

## Questions on effect of medication

Please tick the box of the corresponding row which best describes your condition. Ticks in the grey area are criteria for consideration of adjunctive on-demand therapy. This will help in discussing further treatment strategies. (Questions are derived from Merims et al., 2003 and Isaacson et al., 2022)

Current oral medication:	never	some-times	frequent
Do you need more than 30 minutes in the morning to get up after taking oral medication?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
During the day, does it take longer than 30 minutes until oral medication shows effect after intake during the day?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you experience "Off" periods after your meals even when you have had intake of oral medication before?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you expect "Off" periods during your daily activities (e.g. taking a cup of coffee, cooking or brushing teeth) at the same time?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Do you have sudden "Off" periods during stressful situations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

## Issues of digestive system

- |  |                                       |                                      |
|--|---------------------------------------|--------------------------------------|
| <input type="checkbox"/> protein competition | <input type="checkbox"/> stomachache  | <input type="checkbox"/> weight gain |
| <input type="checkbox"/> vomiting            | <input type="checkbox"/> constipation | <input type="checkbox"/> weight loss |

## Additional aspects

- |   |   |                                    |
|---|---|------------------------------------|
| <input type="checkbox"/> pain               | <input type="checkbox"/> excessive sweating | <input type="checkbox"/> dysphagia |
| <input type="checkbox"/> sleep disturbances | <input type="checkbox"/> freezing of gait   | <input type="checkbox"/> falls     |