

Managing symptoms of Parkinson's disease (PD)

Ongoing care and support

Specialist nursing

People with PD should have regular access to the services provided by a PD nurse specialist

Physiotherapy

Offer PD-specific physiotherapy for people who are experiencing:

- Balance problems
- Motor function problems

Occupational therapy

Offer PD-specific occupational therapy for people who are having:

- Difficulties with daily living activities

Speech and language

Offer speech and language therapy for people with PD who are experiencing:

- Communication problems
- Problems with swallowing or saliva

Palliative care

Consider referring people at any stage of PD to the palliative care team to discuss their priorities for care at the end of life

Managing non-motor symptoms

While the non-pharmacological management strategies listed above are first line treatments for non-motor symptoms, consider treating refractory problems with the following drugs:



Consider whether new symptoms might be caused by side effects of other medications

Excessive daytime sleepiness

Modafinil

REM* sleep behaviour disorder

Clonazepam / Melatonin

Nocturnal akinesia

Levodopa / Oral dopamine agonists

if neither is effective
Rotigotine

Orthostatic hypotension

Midodrine

If contraindicated, not tolerated or not effective

Fludrocortisone

Hallucinations and delusions

Do not treat if well tolerated

Quetiapine

If not effective

Clozapine

For people without cognitive impairment

Lower doses needed for people with PD than in other indications

~~Olanzapine~~

Do not offer olanzapine

Drugging

Glycopyrronium bromide

If contraindicated, not tolerated or not effective

Specialist referral for Botulinum toxin A

If person's risk of cognitive adverse effects is minimal

Other anticholinergic medicines

Dementia

Mild-moderate Severe

Offer

Cholinesterase inhibitor

If not tolerated or contraindicated

Consider

Memantine

Advanced Parkinson's disease

Offer best medical therapy, which may include:

Intermittent apomorphine injection

and/or

Continuous subcutaneous apomorphine infusion

if symptoms are not adequately controlled

Consider deep brain stimulation

Managing motor symptoms

If symptoms affect daily life, offer levodopa

If symptoms do not affect daily life, offer a choice

★★★★
More improvement / fewer adverse events

★★★
Intermediate

★★★
Less improvement / more adverse events

Levodopa

Symptoms ★★★★★
Activities ★★★★★
Motor comp. ★★★★★
Adv. Evts. ★★★★★

Dopamine agonists

Symptoms ★★★★★
Activities ★★★★★
Motor comp. ★★★★★
Adv. Evts. ★★★★★

MAO-B inhibitors

Symptoms ★★★★★
Activities ★★★★★
Motor comp. ★★★★★
Adv. Evts. ★★★★★

Adjuvant therapy

If dyskinesia or motor fluctuations develop, adjuvant therapy may be added to a Levodopa regimen, under specialist advice.

+ Dopamine agonists

Symptoms ★★★★★
Activities ★★★★★
Off-time ★★★★★
Adv. Evts. ★★★★★
Hallucinat. ★★★★★

+ MAO-B inhibitors

Symptoms ★★★★★
Activities ★★★★★
Off-time ★★★★★
Adv. Evts. ★★★★★
Hallucinat. ★★★★★

+ COMT inhibitors

Symptoms ★★★★★
Activities ★★★★★
Off-time ★★★★★
Adv. Evts. ★★★★★
Hallucinat. ★★★★★

If dyskinesia is not adequately managed by the above, consider amantadine.

+ Amantadine (no evidence of benefit or harms)

Impulse control disorders (ICDs)

ICDs are common adverse effects of dopaminergic therapy. They are a group of psychiatric conditions linked by a failure to resist the temptation to perform an act harmful to either oneself or others

Ensure patients and carers are aware of ICD types

- Compulsive gambling
- Hypersexuality
- Binge eating
- Obsessive shopping

Also inform them who to contact if ICDs develop

Managing ICDs

Adjust dopaminergic therapy gradually, to balance motor symptoms and ICDs

If not effective

Offer specialist CBT targeted at ICDs