



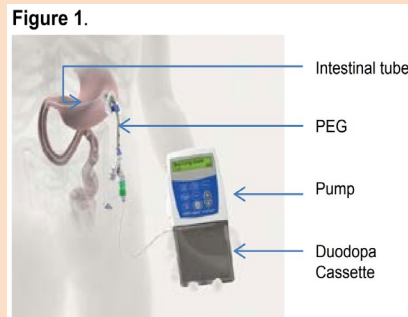
Prescribing Support Series: PSS 6

Duodopa® intestinal gel

What is Duodopa?

- A gel that delivers levodopa + carbidopa by continuous intestinal administration, controlled by a pump, via either NG (short-term/temporary) or PEG (long-term) tube, for the treatment of Parkinson's Disease
- The pump delivers the medication from a cassette, which contains a 100 ml bag containing levodopa 20 mg/mL and carbidopa monohydrate 5 mg/mL
- Usually, the patient is prescribed a morning bolus dose prescribed in **ml**, a continuous daily dose (up to 16 hours) prescribed in **ml/hour**, and PRN rescue doses prescribed in **ml**. Maximum total daily dose is **200 ml/day** or **two cassettes**.
- The pump is usually turned off overnight (but some patients need continuous 24h administration).
- Prescribing, administration & monitoring information is available from the [manufacturer](#)

BionicalHealth
provide drop-in
teaching sessions, via
MS Teams, on how to
use and maintain the
Duodopa Pump (see
attached for further
information).



How to prescribe Duodopa on EPMA

The total daily dose consists of three individually adjusted parts so multiple prescriptions are needed within EPMA.

- 1) Start by prescribing the **MORNING DOSE**, as you would any other regularly administered medication.
 - a) Prescribe "Duodopa – Co-careldopa (carbidopa & levodopa)" as a free-text medicine.
 - Route = Gastro-enteral; Form = Intestinal Gel; Strength = 5 mg + 20 mg/mL
 - Dose should be prescribed in **millilitres** (dose information from patient held record or specialist service)
 - b) Add to the free-text instruction field: *Attach a new cassette to the pump. Remove the red protective cap from the cassette and open any tube clamps. Connect the cassette tube to the intestinal port of the NG/PEG tube. Follow CADD-Legacy 1400 Pump manual for pump operating procedures.*
- 2) Prescribe the **CONTINUOUS DOSE**, as follows:
 - a) Prescribe "Duodopa – Co-careldopa (carbidopa & levodopa)" as free-text – route, form & strength as above
 - Dose = in **ml/hour** (dose information from patient held record or specialist service)
 - b) Click '*regular*' on the next screen and complete the prescription details. The dose administration start time should be set at **1-hour** after the morning bolus dose (it will actually start once the bolus dose has been completed) and end at bedtime (unless patient receives it continuously overnight).
 - c) Add to the free-text instruction field: *"The continuous dose will follow automatically from the morning dose. The pump should read 'Continuous Rate x mL/hr' immediately after the morning bolus dose has reached 0 mL."*
- 3) Prescribe the **PRN** (rescue doses) as you would any other when required medication (if applicable for the patient).
 - a) Prescribe "Duodopa–Co-careldopa (carbidopa & levodopa)" as free-text – route, form & strength as above
 - Dose prescribed in **ml** (information from patient held record or specialist service)
 - b) Minimum dose interval = 1 hour. (Device will lock out for 1 hour after a PRN dose is administered.)
 - c) Usual max. 5 doses/24h - if more needed, continuous dose may need review – discuss with specialist service.
 - d) Dose is usually self-administered (see [manual](#) on how to prevent self-administration, if this is to be revoked).

How to administer and record administration of Duodopa on EPMA

- 1) Administer the **MORNING DOSE** by following the instructions in the free-text field, then:
 - i. Press & hold the ON/OFF button for three seconds to start the pump.
 - ii. Press & hold the MORNING DOSE button twice, to administer this dose.
 - iii. Record administration as for any other regular dose
- 2) Continuous dose will immediately start after the morning dose has been delivered (within an hour of initiation); record administration of the **CONTINUOUS DOSE**, once the device reads “Continuous Infusion”
- 3) Record administration of **PRN (rescue doses)** if the patient notifies staff they have self-administered.
- 4) At bedtime the pump should be turned off (unless patient is on a continuous 24h regimen). When turned off, disconnect the pump, remove the cassette (as shown in the manual) and discard the cassette in a sharps bin (irrespective of how much drug remains within it). Flush the space between the intestinal tube and NG/PEG tube with 20 mL of potable water

Important!

Cassettes are stored in the fridge. Remove from fridge 30 mins before use. Viable for up to 24 hours at room temperature.

Troubleshooting: If any issues occur with the Duodopa pump, access the [manual for the CADD-Legacy 1400 Pump](#).

For further advice, contact: tewv.medicinesinformation@nhs.net

Title: PSS 6 – Duodopa intestinal gel v1	
Approved by: Drug & Therapeutics Committee	
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Duodopa Pump & Ancillaries Training

Training Topics

* Duodopa Pump set up/maintenance * PEG/Intestinal Tubing * Duodopa medication cassettes * Tube/Stoma maintenance

- 'Drop-in sessions via Microsoft TEAMS'
- All Healthcare professionals are welcome
- Please choose a session you would like to attend and simply click on the link below, no prior attendance notice required
- Please arrive 5 minutes early for the training, as training sessions will start promptly.
- Please state your name, job title & sector you are attending from, this can be verbal or written in the TEAMS chat

Tuesdays AM Sessions

10am – 11am

Join on your computer or mobile app

[Join the meeting now](#)

Meeting ID: 311 699 587 129

Passcode: YpgE95

Tuesdays PM Sessions

1pm – 2pm

Join on your computer or mobile app

[Join the meeting now](#)

Meeting ID: 395 004 933 118

Passcode: sQz4bt

Thursday PM Sessions

1pm – 2pm

Join on your computer or mobile app

[Join the meeting now](#)

Meeting ID: 330 018 659 005

Passcode: Vyy6Px

Thursday PM Sessions

3pm – 4pm

Join on your computer or mobile app

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Meeting ID: 356 599 499 629

Passcode: TDZPJS