5.3. Preclinical safety data

Repeat dose subcutaneous toxicity studies reveal no special hazard for humans, beyond the information this species, but it was noted that doses which are toxic included in other sections of the SmPC.

In vitro genotoxicity studies demonstrated mutagenic and clastogenic effects, most likely due to products formed by No carcinogenicity studies have been performed. oxidation of apomorphine. However, apomorphine was not genotoxic in the in vivo studies performed.

The effect of apomorphine on reproduction has been investigated in rats. Apomorphine was not teratogenic in to the mother can cause loss of maternal care and failure to breathe in the newborn.

6. PHARMACEUTICAL PARTICULARS

6.1. List of excipients

Sodium metabisulphite (E223) Sodium chloride Hydrochloric acid (for pH-adjustment) Water for injections

6.2. Incompatibilities

In the absence of compatibility studies, this medicinal product must not be mixed with other medicinal products. Bundle packs: 5 x 1, 10 x 1, 30 x 1, 2 x 5 and 6 x 5

6.3. Shelf life

Unopened: 30 months

After opening and filling the drug product in syringes attached with infusion sets: chemical and physical in- Do not use if the solution has turned green. use stability has been demonstrated for 7 days at 25 °C. From a microbiological point of view, unless the method The solution should be inspected visually prior to use. Only of opening and further handling precludes the risk of microbial contamination, the product should be used particles in undamaged containers should be used. immediately. If not used immediately, in-use storage times and conditions are the responsibility of the user.

Single use only. Discard any unused contents

6.4. Special precautions for storage

Keep the vials in the outer carton in order to protect from

Do not refrigerate or freeze.

For storage conditions after first opening of the medicinal product, see section 6.3.

6.5. Nature and contents of container

Clear glass vials, type I with bromobutyl rubber stopper and a flip-off cap, containing 20 ml solution for infusion, in packs of 1 or 5 vials.

Not all pack sizes may be marketed

6.6. Special precautions for disposal and other

clear and colourless to slightly yellow solutions without

For single use only. Any unused medicinal product or waste material should be disposed in accordance with local requirements.

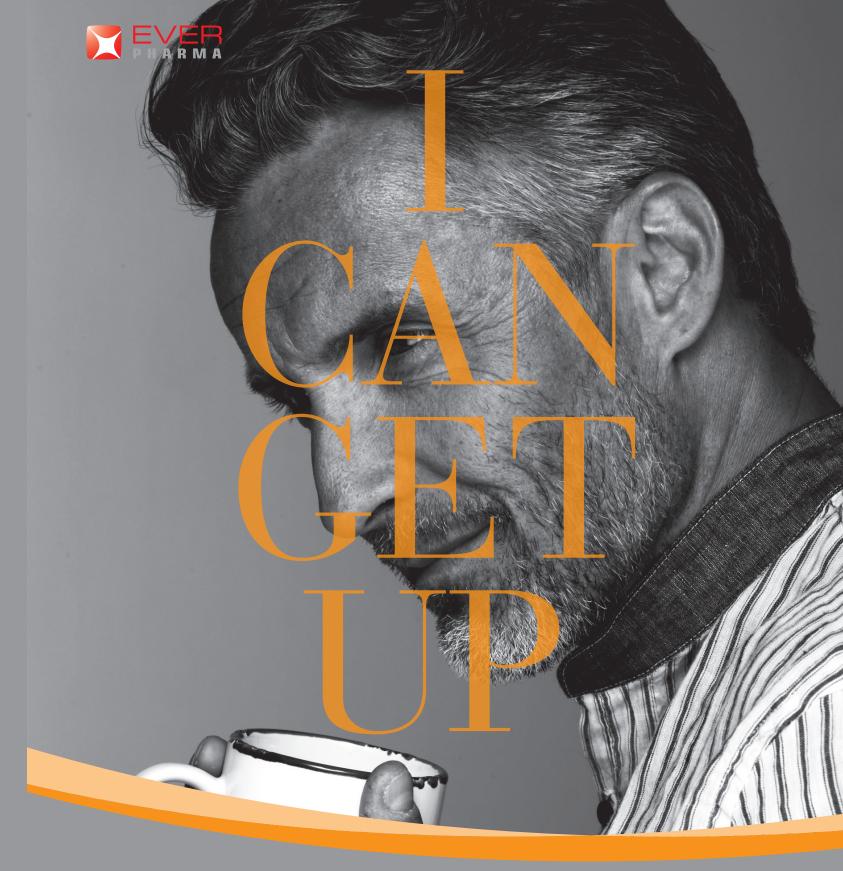
Continuous infusion and the use of a minipump and or syringe-driver:

The choice of which minipump and or syringe-driver to use, and the dosage settings required, will be determined by the physician in accordance with the particular needs of the patient.



EVER Neuro Pharma GmbH Oberburgau 3, 4866 Unterach/Austria www.everpharma.com





Parkinson's disease in the advanced stage:

Caught in a cage of stiffness and unability. Dacepton® 5 mg/ml solution for infusion in 20 ml vial gets them back to life. As the strongest non selective dopamine agonist, Dacepton® shortens the "off"-phases¹ and reduces the intensity of dyskinesias². Dacepton® is the therapy with continuous dopaminergic stimulation for advanced Parkinson's disease via iso-osmolar subcutaneous infusion and in-use of 7 days³.

1) Gunzler, 2009, 2) Kanovsky et al., 2002, 3) SmPC, 2020



1. NAME OF THE MEDICINAL PRODUCT

Dacepton® 5 mg/ml Solution for infusion in 20 ml vial

2. QUALITATIVE AND QUANTITATIVE COMPOSITION

1 ml contains 5 mg apomorphine hydrochloride hemihydrate

20 ml contain 100 mg apomorphine hydrochloride hemihydrate

Excipient with known effect: Sodium metabisulphite (E223) 1 mg per ml Sodium chloride 8 mg per ml

For the full list of excipients, see section 6.1.

3. PHARMACEUTICAL FORM

Solution for infusion

Clear and colourless to slightly yellow solution, free from visible particles

pH of 3.3 – 4.0

Osmolality: 290 mOsm/kg

4. CLINICAL PARTICULARS

4.1. Therapeutic indications

in patients with Parkinson's disease which are not sufficiently controlled by oral anti-Parkinson medication.

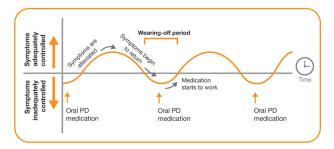


Figure 1: EVER Neuro Pharma, 2012

4.2. Posology and method of administration

solution for infusion:

for them when required.

Treatment of motor fluctuations ("on-off" phenomena) It is essential that the patient is established on domperidone, usually 20 mg three times daily, for at least two days prior to initiation of therapy.

> Apomorphine should be initiated in the controlled environment of a specialist clinic. The patient should be supervised by a physician experienced in the treatment of Parkinson's disease (e.g. neurologist). The patient's treatment with levodopa, with or without dopamine agonists, should be optimised before starting treatment with Dacepton® 5 mg/ml solution for infusion.

Method of administration

Dacepton® 5 mg/ml solution for infusion is a pre-diluted vial intended for use without dilution for subcutaneous use and to be administered as a continuous subcutaneous Selection of Patients suitable for Dacepton® 5 mg/ml infusion by minipump and/or syringe-driver (see section 6.6). It is not intended to be used for intermittent injection. Patients selected for treatment with Dacepton® 5 mg/ Apomorphine must not be used via the intravenous ml solution for infusion should be able to recognise the route. Do not use if the solution has turned green. The onset of their "off" symptoms and be capable of injecting solution should be inspected visually prior to use. Only themselves or else have a responsible carer able to inject clear, colourless to slightly yellow and particle free solution should be used.

Posoloav

Continuous Infusion

during the initiation stage of apomorphine therapy, or hypotension. but whose overall control remains unsatisfactory using intermittent injections, or who require many and frequent Paediatric population injections (more than 10 per day), may be commenced Dacepton® 5 mg/ml solution for infusion is contraindicated by minipump and/or syringe-driver as follows: section 4.3). The choice, of which minipump and/or syringe-driver to use, and the dosage settings required, will be determined Elderly by the physician in accordance with the particular needs
The elderly are well represented in the population of of the patient.

Determination of Threshold Dose

determined as follows: Continuous infusion is started at a patients. However, extra caution is recommended during rate of 1 mg apomorphine hydrochloride hemihydrate (0.2 initiation of therapy in elderly patients because of the risk ml) per hour then increased according to the individual of postural hypotension. response each day. Increases in the infusion rate should not exceed 0.5 mg at intervals of not less than 4 hours. Renal impairment Hourly infusion rates may range between 1 mg and 4 mg A dose schedule similar to that recommended for adults, Infusions should run for waking hours only. Unless the impairment (see section 4.4). patient is experiencing severe night-time problems, 24 hour infusions are not advised. Tolerance to the therapy 4.3. Contraindications does not seem to occur as long as there is an overnight Hypersensitivity to the active substance or to any of the period without treatment of at least 4 hours. In any event, excipients listed in section 6.1. the infusion site should be changed every 12 hours.

Patients may need to supplement their continuous psychotic diseases or hepatic insufficiency. infusion with intermittent bolus boosts, as necessary, Apomorphine hydrochloride hemihydrate treatment and as directed by their physician. A reduction in dosage continuous infusion.

Establishment of treatment

Alterations in dosage may be made according to the patient's response.

The optimal dosage of apomorphine hydrochloride hemihydrate varies between individuals but, once established, remains relatively constant for each patient.

Precautions on continuing treatment

The daily dose of Dacepton® 5 mg/ml solution for infusion varies widely between patients, typically within the range of 3-30 mg.

It is recommended that the total daily dose of apomorphine hydrochloride hemihydrate should not exceed 100 mg.

In clinical studies it has usually been possible to make some reduction in the dose of levodopa; this effect

varies considerably between patients and needs to be carefully managed by an experienced physician. Once treatment has been established, domperidone therapy may be gradually reduced in some patients but Patients who have shown a good "on" period response successfully eliminated only in a few, without any vomiting

on or transferred to continuous subcutaneous infusion for children and adolescents under 18 years of age (see

patients with Parkinson's disease and constitute a high proportion of those studied in clinical trials of apomorphine. The management of elderly patients treated The threshold dose for continuous infusion should be with apomorphine has not differed from that of younger

(0.2 ml and 0.8 ml), equivalent to 0.014 - 0.06 mg/kg/hour. and the elderly, can be followed for patients with renal

In patients with respiratory depression, dementia,

must not be administered to patients who have an of other dopamine agonists may be considered during "on" response to levodopa which is marred by severe dvskinesia or dvstonia.

Dacepton® 5 mg/ml solution for infusion is contraindicated for children and adolescents under 18 years of age.

4.4. Overdose

There is little clinical experience of overdose with apomorphine by this route of administration. Symptoms of overdose may be treated empirically as suggested

- Excessive emesis may be treated with domperidone.
- Respiratory depression may be treated with naloxone.
- Hypotension: appropriate measures should be taken, e.g. raising the foot of the bed.
- Bradycardia may be treated with atropine.

5. PHARMACOLOGICAL PROPERTIES

5.1. Pharmacodynamic properties

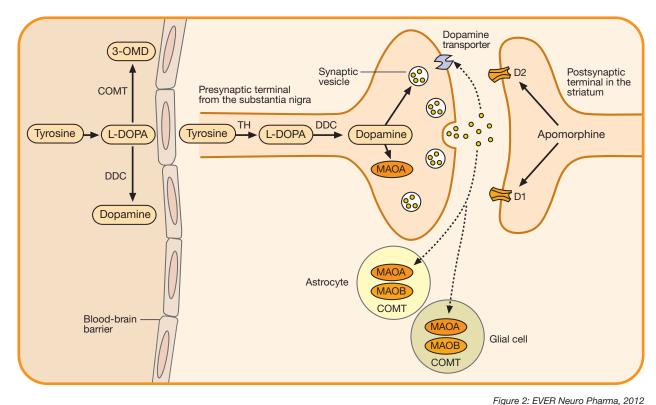
Pharmacotherapeutic group: Anti-Parkinson drugs, dopamine agonists, ATC code: N04B C07

Mechanism of action

receptors and while possessing both D1 and D2 the active substance distribution being best described receptor agonist properties does not share transport or by a two-compartment model. Apomorphine is rapidly metabolic pathways with levodopa. Although in intact and completely absorbed from subcutaneous tissue, experimental animals, administration of apomorphine correlating with the rapid onset of clinical effects (4-12

5.2. Pharmacokinetic properties

After subcutaneous injection of apomorphine its fate can be described by a two-compartment model, with a distribution half-life of 5 (± 1.1) minutes and an elimination half-life of 33 (±3.9) minutes. Clinical response correlates Apomorphine is a direct stimulant of dopamine well with levels of apomorphine in the cerebrospinal fluid;



locomotor activity (thought to represent pre-synaptic rapid clearance. inhibition of endogenous dopamine release) its actions on
The metabolism of apomorphine is by glucuronidation and post-synaptic receptor sites. This biphasic effect is also thways have not been described. seen in humans.

suppresses the rate of firing of nigro-striatal cells and minutes), and that the brief duration of clinical action of in low dose has been found to produce a reduction in the active substance (about 1 hour) is explained by its

parkinsonian motor disability are likely to be mediated at sulphonation to at least ten per cent of the total; other pa-