

Patients with severe renal impairment receiving Pegasys 180 mcg once weekly showed a 60% higher peginterferon alfa-2a exposure than patients with normal renal function, therefore a reduced dose of Pegasys 135 mcg once weekly is recommended in patients with severe renal impairment. In 18 patients with ESRD requiring chronic HD, administration of Pegasys 135 mcg once weekly resulted in 34% lower peginterferon alfa-2a exposure than in patients with normal renal function. Despite the lower plasma peginterferon alfa-2a exposure, patients with ESRD experienced the highest frequency of serious adverse events among the other groups in the study, likely owing to the severity and complexity of comorbidities in this patient population.

Gender

The pharmacokinetics of Pegasys were comparable between male and female healthy subjects.

Elderly

The AUC was modestly increased in subjects older than 62 years taking 180mcg Pegasys, but peak concentrations were similar in those older and younger than 62 years. Based on drug exposure, pharmacodynamic response, and tolerability, a lower starting dose of Pegasys is not needed in the geriatric patient (see section 2.5).

Non-cirrhotic and cirrhotic patients

The pharmacokinetics of Pegasys were similar between healthy subjects and patients with chronic hepatitis B or chronic hepatitis C. Comparable exposure and pharmacokinetic profiles were seen in patients with cirrhosis with compensated liver disease and patients without cirrhosis.

Site of Administration

Subcutaneous administration of Pegasys should be limited to the abdomen and thigh. Exposure to Pegasys was decreased in studies following administration of Pegasys in the arm compared to administration in the abdomen and thigh.

3.3 Preclinical Safety

The preclinical toxicity studies conducted with Pegasys were limited due to species specificity of interferons. Acute and chronic toxicity studies have been carried out in cynomolgus monkeys, and the findings observed in peginterferon alfa-2a dosed animals were similar in nature to those produced by interferon alfa-2a.

Reproductive toxicity studies have not been performed with Pegasys. As with other alpha interferons, prolongation of the menstrual cycle was observed following administration of peginterferon alfa-2a to female monkeys. Treatment with interferon alfa-2a resulted in a statistically significant increase in abortifacient activity in rhesus monkeys. Although no teratogenic effects were seen in the offspring delivered at term, adverse effects in humans cannot be excluded.

Pegasys plus ribavirin

When used in combination with ribavirin, Pegasys did not cause any effects in monkeys not previously seen with either active substance alone. The major treatment-related change was reversible mild to moderate anemia, the severity of which was greater than that produced by either active substance alone.

3.3.1 Carcinogenicity

Pegasys has not been tested for its carcinogenic potential.

3.3.2 Mutagenicity

Pegasys was neither mutagenic nor clastogenic when tested in the Ames bacterial mutagenicity assay and in the in vitro chromosomal aberration assay in human lymphocytes, either in the presence or absence of metabolic activation. Please refer also to the approved Copegus (ribavirin) prescribing information.

3.3.3 Impairment of Fertility

Reproductive toxicity studies have not been performed with Pegasys. As with other alpha interferons, prolongation of the menstrual cycle was observed following administration of peginterferon alfa-2a to female monkeys.

3.3.4 Teratogenicity

Treatment with interferon alfa-2a resulted in a statistically significant increase in abortifacient activity in rhesus monkeys. Although no teratogenic effects were seen in the offspring delivered at term, adverse effects in humans cannot be excluded.

4 PHARMACEUTICAL PARTICULARS

4.1 List of Excipients

Sodium chloride, polysorbate 80, benzyl alcohol, sodium acetate, acetic acid, water for injection.

4.2 Incompatibilities

It is inappropriate to mix Pegasys with other products.

4.3 Special Precautions for Storage

Store in the refrigerator at 2- 8°C. Do not freeze or shake. Store in the original package in order to protect from light.

4.4 Stability

This medicine should not be used after the expiry date (EXP) shown on the pack.

4.5 Instructions for Use, Handling and Disposal

Parenteral drug products should be inspected visually for particulate matter and discoloration before administration, whenever solution and container permit. Use a sterile needle and syringe to prepare Pegasys.

Disposal of syringes/sharps

The following points should be strictly adhered to regarding the use and disposal of syringes and other medicinal sharps:

- Needles and syringes should never be reused.
- Place all used needles and syringes into a sharps container (puncture-proof disposable container).
- Keep this container out of the reach of children.
- Placing used sharps containers in the household waste should be avoided.
- Dispose of the full container according to local requirements or as instructed by your healthcare provider.

For home use, a puncture resistant container for the disposal of used syringes and needles should be supplied to the patients. Patients should be thoroughly instructed in the importance of proper disposal and caution against any reuse of any needles and syringes. The full container should be disposed of according to the directions provided by the physician.

Disposal of unused/expired medicines

The release of pharmaceuticals in the environment should be minimized. Medicines should not be disposed of via wastewater and disposal through household waste should be avoided. Use established "collection systems" if available in your location.

5 PACKS

Pre-filled syringes 135 mcg	1, 4
Pre-filled syringes 180 mcg	1, 4

Medicine: keep out of reach of children

Current at Mar 2021



By Product Owner: F. Hoffmann-La Roche Ltd, Basel, Switzerland