

Icatibant Injection

Rx only

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HIGHLIGHTS OF PRESCRIBING INFORMATION

These highlights do not include all the information needed to use ICATIBANT INJECTION safely and effectively. See full prescribing information for ICATIBANT INJECTION.

ICATIBANT injection, for subcutaneous use
Initial U.S. Approval: 2011

INDICATIONS AND USAGE
Icatibant Injection is a bradykinin B2 receptor antagonist indicated for treatment of acute attacks of hereditary angioedema (HAE) in adults 18 years of age and older. (1)

DOSAGE AND ADMINISTRATION
30 mg injected subcutaneously in the abdominal area. (2.1)

If response is inadequate or symptoms recur, additional injections of 30 mg may be administered at intervals of at least 6 hours. (2.1)

Do not administer more than 3 injections in 24 hours. (2.1)

Patients may self-administer upon recognition of an HAE attack. (2.2)

DOSAGE FORMS AND STRENGTHS
Injection, 10 mg per mL (3)

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FULL PRESCRIBING INFORMATION

1 INDICATION AND USAGE

Icatibant injection is indicated for the treatment of acute attacks of hereditary angioedema (HAE) in adults 18 years of age and older.

2 DOSAGE AND ADMINISTRATION

2.1 Recommended Dosing

The recommended dose of Icatibant Injection is 30 mg administered by subcutaneous (SC) injection in the abdominal area. Additional doses may be administered at intervals of at least 6 hours if response is inadequate or if symptoms recur. No more than 3 doses may be administered in any 24 hour period.

2.2 Administration Instructions

Icatibant Injection should be inspected visually for particulate matter and discoloration prior to administration. The drug solution should be clear and colorless. Do not administer if the product contains particulates or is discolored. Attach the provided 25 gauge needle to the syringe hub and screw on securely. Do not use a different needle. Disinfect the injection site and administer icatibant by subcutaneous injection over at least 30 seconds.

Patients may self-administer Icatibant Injection upon recognition of symptoms of an HAE attack after training under the guidance of a healthcare professional [see Patient Counseling Information (17)].

3 DOSAGE FORMS AND STRENGTHS

Icatibant Injection is supplied in a prefilled syringe delivering 30 mg icatibant. Each syringe delivers 3 mL solution with a concentration of 10 mg per mL.

4 CONTRAINDICATIONS

None.

5 WARNINGS AND PRECAUTIONS

5.1 Laryngeal Attacks

Given the potential for airway obstruction during acute laryngeal HAE attacks, patients should be advised to seek medical attention in an appropriate healthcare facility immediately in addition to treatment with icatibant.

6 ADVERSE REACTIONS

6.1 Clinical Trials Experience

The safety of icatibant was evaluated in three controlled trials that included 223 patients who received icatibant 30 mg (n=113), placebo (n=75), or comparator (n=38). The mean age at study entry was 38 years (range 18 to 83 years), 64% were female, and 95% were white. The data described below represent adverse reactions observed from the two placebo-controlled trials, consisting of 77 patients who received icatibant at a dose of 30 mg SC, and 75 who received placebo.

The most frequently reported adverse reactions (occurring in greater than 1% of patients and at a higher rate with icatibant versus placebo) are shown in Table 1.

Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in practice.

Table 1: Adverse Reactions Observed in >1% of Patients with Acute Attacks of HAE and at a Higher Rate with Icatibant versus Placebo in the Placebo-controlled Trials*

	Icatibant (N=77)	Placebo (N=75)
System Organ Class	Subjects (%)	Subjects (%)
General disorders and administration site conditions		
Injection site reaction ^b	75 (97)	25 (33)
Pyrexia	3 (4)	0
Investigations		
Transaminase increased	3 (4)	0
Nervous system disorders		
Dizziness	2 (3)	1 (1)

* Events occurring within 14 days of study drug administration

^b Injection site bruising, Injection site hematoma, Injection site burning, Injection site erythema, Injection site hypoaesthesia, Injection site irritation, Injection site numbness, Injection site edema, Injection site pain, Injection site pressure sensation, Injection site pruritus, Injection site swelling, Injection site urticaria, and Injection site warmth

The third trial was active-controlled and was comprised of 35 patients who received icatibant 30 mg and 38 patients who received the comparator. Adverse reactions for icatibant were similar in nature and frequency to those reported in Table 1.

----- CONTRAINDICATIONS -----

None (4)

----- WARNINGS AND PRECAUTIONS -----

Laryngeal attacks: Following treatment of laryngeal attacks with icatibant, advise patients to seek immediate medical attention. (5.1)

----- ADVERSE REACTIONS -----

The most commonly reported adverse reactions were injection site reactions, which occurred in almost all patients (97%) in clinical trials. Other common adverse reactions occurring in greater than 1% of patients included pyrexia, transaminase increase, dizziness, and rash. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Teva Pharmaceuticals USA, Inc. at 1-888-838-2872 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

USE IN SPECIFIC POPULATIONS
Elderly patients demonstrate increased systemic exposure to icatibant. Differences in efficacy and safety between elderly and younger patients have not been identified. (8.5)

See 17 for PATIENT COUNSELING INFORMATION and FDA-approved patient labeling.

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*Sections or subsections omitted from the Full Prescribing Information are not listed.

In all three controlled trials, patients were eligible for treatment of subsequent attacks in an open-label extension. Patients were treated with Icatibant Injection 30 mg and could receive up to 3 doses of Icatibant Injection 30 mg administered at least 6 hours apart for each attack. A total of 225 patients were treated with 1,078 doses of icatibant injection for 987 attacks of acute HAE. Adverse reactions similar in nature and frequency were observed to those seen in the controlled phase of the trials. Other adverse reactions reported included rash, nausea, and headache in patients exposed to Icatibant Injection.

The safety of self-administration was evaluated in a separate, open-label trial in 56 patients with HAE. In this trial, the safety profile of Icatibant Injection in patients who self-administered Icatibant Injection was similar in nature and frequency to that of patients whose therapy was administered by healthcare professionals.

6.2 Immunogenicity

Across repeated treatment in the controlled trials, 4 patients tested positive for anti-icatibant antibodies. Three of these patients had subsequent tests which were negative. No hypersensitivity or anaphylactic reactions were reported with icatibant. No association between anti-icatibant antibodies and efficacy was observed.

6.3 Postmarketing Experience

Similar adverse reactions have been observed in postmarketing use as compared to the clinical trials. Because these events are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

7 DRUG INTERACTIONS

7.1 ACE Inhibitors

Icatibant is a bradykinin B2 receptor antagonist and thereby has the potential to have a pharmacodynamic interaction with ACE inhibitors where icatibant may attenuate the antihypertensive effect of ACE inhibitors. Clinical trials to date have excluded subjects taking ACE inhibitors.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Pregnancy Category C. There are no adequate and well-controlled studies in pregnant women. Icatibant was not teratogenic in rats or rabbits; however, it caused delayed parturition, fetal death, and pre-implantation loss in rats and premature birth, abortion, fetal death, and pre-implantation loss in rabbits. Icatibant should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus.

Delayed parturition and fetal death in rats occurred at 0.5 and 2-fold, respectively, the maximum recommended human dose (MRHD) (on an AUC basis at maternal doses of 1 and 3 mg/kg, respectively). Increased pre-implantation loss in rats occurred at 7-fold the MRHD (on an AUC basis at a maternal dose of 10 mg/kg). In rabbits, premature birth and abortion rates increased at a dose that was less than 1/40th the MRHD (on a mg/m² basis at a maternal dose of 0.1 mg/kg). Studies in rabbits also indicated that pre-implantation loss and increased fetal deaths occurred at 13-fold greater than the MRHD (on an AUC basis at a maternal dose of 10 mg/kg).

Nonteratogenic effects: Impairment of pup air-righting reflex and decreased pup hair growth in rats occurred at 7-fold the MRHD (on an AUC basis at a maternal dose of 10 mg/kg).

8.2 Labor and Delivery

There are no human studies that have investigated the effects of icatibant on preterm labor or labor at term; however, animal studies showed that icatibant caused delayed parturition and associated fetal death in rats and premature birth and abortion in rabbits. Delayed parturition occurred in rats at 0.5-fold times the MRHD (on an AUC basis at a maternal dose of 1 mg/kg).

8.3 Nursing Mothers

Because many drugs are excreted in human milk, caution should be exercised when icatibant is administered to a nursing woman. Icatibant is excreted into the milk of lactating rats.

8.4 Pediatric Use

Safety and effectiveness in pediatric patients below the age of 18 years have not been established.

Juvenile Toxicity Data

Subcutaneous daily administration of icatibant to young rats during the juvenile period of development (postnatal days 22 to 70) delayed the sexual maturation of male reproductive tissues (atrophy of testes and epididymides) at exposures approximating one-third or greater the MRHD on a mg/m² basis. Impaired fertility and reproductive performance were also observed in male rats at the end of the postnatal treatment period at exposures approximating the MRHD or greater on a mg/m² basis. No effects were observed in females at exposures approximating 3-fold the MRHD on a mg/m² basis. The observed tissue findings in males were consistent with those seen in sexually mature rats and dogs and are attributed to antagonism of the bradykinin B2 receptor and subsequent effects on gonadotropins. The observed effects may be a consequence of daily icatibant administration. Toxicity to the testis did not occur in dogs treated twice a week for 9 months [see Carcinogenesis, Mutagenesis, Impairment of Fertility (13.1)].

8.5 Geriatric Use

Clinical studies of icatibant did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. Elderly patients are likely to have increased systemic exposure to icatibant compared to younger (18 to 45 years) patients [see Clinical Pharmacology (12.3)]. Since other reported clinical experience has not identified differences in efficacy and safety between elderly and younger patients, no dose adjustment is recommended.

8.6 Hepatic Impairment

Icatibant was studied in patients with mild to moderate (Child Pugh scores of 5 to 8) hepatic impairment. No change in systemic exposure is noted in these patient populations. No dose adjustment is required in patients with hepatic impairment [see Clinical Pharmacology (12.3)].

8.7 Renal Impairment

Although a formal renal impairment study has not been conducted, 10 of 37 patients treated with icatibant had hepatorenal syndrome with glomerular filtration rate (GFR) below 60 mL/min. Icatibant is cleared renally and hence it is not expected to show any change in systemic exposure in patients with impaired renal function. No dose adjustment is required in patients with renal impairment [see Clinical Pharmacology (12.3)].

10 OVERDOSAGE

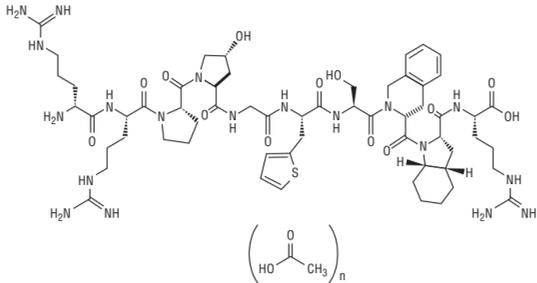
In a clinical study evaluating a 90 mg dose (30 mg in each of 3 subcutaneous sites), the adverse event profile was similar to that seen with 30 mg administered in a single subcutaneous site.

In another clinical study, a dose of 3.2 mg/kg administered intravenously (approximately 8 times the therapeutic dose) caused erythema, itching and hypotension in healthy subjects. No therapeutic intervention was necessary.

11 DESCRIPTION

Icatibant is a synthetic decapeptide with five non-proteinogenic amino acids. The chemical structure of icatibant acetate is presented in Figure 1.

Figure 1 Chemical Structure



Chemical name: D-Arginyl-L-arginyl-L-prolyl-L[(4R)-4-hydroxyprolyl]-glycyl-L[3-(2-thienyl)alanyl]-L-seryl-D-(1,2,3,4-tetrahydroquinolinol-3-ylcarbonyl)-L[3(Sa,7aS)-octahydroindol-2-ylcarbonyl]-L-arginine, acetate salt
Icatibant Injection is provided as a sterile, isotonic, and buffered solution of icatibant acetate in a single-dose, prefilled syringe for subcutaneous administration. Each mL of the solution contains 10 mg of icatibant (free base). Each prefilled syringe delivers 3 mL of solution equivalent to a 30 mg icatibant dose. The solution is clear and colorless. The solution also contains sodium chloride, glacial acetic acid, sodium hydroxide and water for injection with a pH of approximately 5.5. The solution does not contain preservatives.

Pharmacological class: Icatibant is a bradykinin B2 receptor antagonist.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Icatibant is a competitive antagonist selective for the bradykinin B2 receptor, with an affinity similar to bradykinin. Hereditary angioedema is caused by an absence or dysfunction of C1-esterase inhibitor, a key regulator of the Factor XII/kallikrein proteolytic cascade that leads to bradykinin production. Bradykinin is a vasodilator which is thought to be responsible for the characteristic HAE symptoms of localized swelling, inflammation, and pain. Icatibant inhibits bradykinin from binding the B2 receptor and thereby treats the clinical symptoms of an acute, episodic attack of HAE.

12.2 Pharmacodynamics

Following bradykinin challenge, intravenous administration of icatibant caused dose and time-dependent inhibition of development of bradykinin-induced hypotension, vasodilation, and reflex tachycardia in healthy young subjects. Icatibant intravenous doses of 0.4 and 0.8 mg/kg infused over 4 hours inhibited response to bradykinin challenge for 6 to 8 hours following completion of the infusion. Based on exposure-response analysis, a subcutaneous dose of 30 mg icatibant is predicted to be effective against bradykinin challenge for at least 6 hours. The clinical significance of these findings is unknown.

The effect of Icatibant 30 and 90 mg following a single subcutaneous injection on QTc interval was evaluated in a randomized, placebo-, and active-controlled (moxifloxacin 400 mg) four-period crossover thorough QT study in 72 healthy subjects. In a study with demonstrated ability to detect small effects, the upper bound of the one-sided 95% confidence interval for the largest placebo adjusted, baseline-corrected QTc based on individual correction method (QTci) was below 10 ms, the threshold for regulatory concern. The dose of 90 mg is adequate to represent the high exposure clinical scenario.

12.3 Pharmacokinetics

The pharmacokinetics of icatibant has been characterized in studies using both intravenous and subcutaneous administration to healthy subjects and patients. The pharmacokinetic profile of icatibant in patients with HAE is similar to that in healthy subjects.

The absolute bioavailability of icatibant following a 30 mg subcutaneous dose is approximately 97%. Following subcutaneous administration of a single 30 mg dose of icatibant to healthy subjects (N=96), a mean (± standard deviation) maximum plasma concentration (C_{max}) of 974 ± 280 ng/mL was observed after approximately 0.75 hours. The mean area under the concentration-time curve (AUC_{0-∞}) after a single 30 mg dose was 2165 ± 568 ng•hr/mL, with no evidence of accumulation of icatibant following three 30 mg doses administered 6 hours apart. Following subcutaneous administration, plasma clearance was 245 ± 58 mL/min with a mean elimination half-life of 1.4 ± 0.4 hours and volume of distribution at steady state (V_{ss}) of 29.0 ± 8.7 L.

Icatibant is extensively metabolized by proteolytic enzymes to inactive metabolites that are primarily excreted in the urine, with less than 10% of the dose eliminated as unchanged drug. Icatibant is not degraded by oxidative metabolic pathways, is not an inhibitor of major cytochrome P450 (CYP) isoenzymes (CYP 1A2, 2A6, 2B6, 2C8, 2C9, 2C19, 2D6, 2E1, and 3A4) and is not an inducer of CYP 1A2 and 3A4.

Special populations

Hepatic Impairment

The pharmacokinetic parameters of icatibant were found to be generally comparable between healthy subjects (n=8) and mild to moderate (Child Pugh scores of 5 to 8) hepatic impaired patients (n=8) following a dose of 0.15 mg/kg/day as continuous intravenous infusion over 3 days. In a separate study, icatibant clearance in subjects with a wide range of hepatic impairment (Child-Pugh scores of 7 to 15) was similar to that in healthy subjects. No dose adjustment is necessary for patients with impairment of hepatic function [see Use in Specific Populations (8.6)].

Renal Impairment

Since renal clearance of icatibant is a minor eliminating pathway, renal impairment is not expected to affect the pharmacokinetics of icatibant and hence a formal renal impairment study was not conducted for icatibant. In 10 patients with hepatorenal syndrome (GFR 30 to 60 mL/min), clearance of icatibant was not dependent on renal function and therefore, did not show any observable differences in the plasma levels of icatibant or its metabolites compared to subjects with normal renal function. No dose adjustment is necessary for patients with impairment of renal function [see Use in Specific Populations (8.7)].

Age and Gender

Three 30 mg subcutaneous doses of icatibant administered every 6 hours were studied in young (18 to 45 years of age) and elderly (over 65 years of age) healthy male and female subjects. Following single-dose administration of 30 mg subcutaneous icatibant, elderly males and females showed approximately 2-fold higher AUC compared to young males and females, respectively. However, only minor differences (-12 to 14%) between C_{max} of gender-matched elderly and young subjects were observed. Older subjects tend to exhibit lower clearance compared to younger subjects and therefore higher systemic exposure. Gender effect on icatibant pharmacokinetics was also observed in addition to age effect. Clearance of icatibant is significantly correlated with bodyweight with lower clearance values noted for lower bodyweights. Hence, females with typically lower body weights compared to males exhibit lower clearance values, resulting in approximately 2-fold higher systemic exposure (both AUC and C_{max}) compared to males. Differences in efficacy and safety between elderly and younger patients and male and female patients have not been identified. Dose adjustment based on age and gender is not warranted.

Drug Interactions

Formal drug-drug interaction studies were not conducted with icatibant. Icatibant metabolism is not mediated by CYP450 enzymes. *In vitro* study did not show any significant inhibition and/or induction of drug metabolizing CYP450 enzymes; therefore, metabolic drug interactions between icatibant and CYP450 substrates, inhibitors and inducers are not expected.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Two-year studies were conducted in CD1 mice and Wistar rats to assess the carcinogenic potential of icatibant. No evidence of tumorigenicity was observed in mice receiving icatibant subcutaneous doses up to 15mg/kg/day (twice per week) and 6 mg/kg/day (daily), respectively (approximately 10-fold and 6-fold greater than the Maximum Recommended Human Dose on an AUC basis, respectively).

Icatibant tested negative for genotoxicity in the *in vitro* Ames bacterial reverse mutation test, *in vitro* Chinese hamster bone marrow chromosome aberration assay, and *in vivo* mouse micronucleus test.

Daily subcutaneous administration of icatibant to rats and dogs caused ovarian, uterine, and testicular atrophy/degeneration and adverse effects on the mammary and prostate glands. In rats, testicular atrophy, reduced prostate gland secretion, decreased testosterone levels and degenerate corpora lutea occurred at doses greater than or equal to 3 mg/kg (approximately 5-fold greater than the MRHD in males and 2-fold greater than the MRHD in females on an AUC basis) and a decrease in developing ovarian follicles, mammary gland masculinization, and uterine atrophy occurred at doses greater than or equal to 10 mg/kg (approximately 6-fold greater than MRHD in females on an AUC basis). In dogs, reduced serum and uterine atrophy occurred at doses greater than or equal to 1 mg/kg (approximately 2-fold greater than the MRHD on an AUC basis). Atrophy of the testes and prostate with decreased testosterone levels, decreased ovary size and decreased number of developing follicles occurred at a dose of 10 mg/kg (approximately 30-fold greater than the MRHD in males and 15-fold greater than at the MRHD in females on an AUC basis).

In contrast to the effects of daily icatibant administration, toxicity to the ovary, uterus, testis, mammary gland, and prostate did not occur in dogs treated twice a week for 9 months. AUC exposures from a dose of 3 mg/kg in these dogs were 5- and 3-fold the MRHD exposures in men and women, respectively. Sperm counts and testosterone remained unaffected over the course of the study in male dogs dosed twice a week.

Reproduction studies in male mice and rats with daily administration of icatibant found no effects on fertility or reproductive performance with intravenous doses up to 81 mg/kg (approximately 5-fold greater than the MRHD on a mg/m² basis) or subcutaneous doses up to 10 mg/kg (approximately 11-fold greater than the MRHD on an AUC basis), respectively.

13.2 Animal Toxicology and/or Pharmacology

The B2 receptor has been implicated in the cardioprotective effects of bradykinin and antagonism of this receptor could potentially have negative cardiovascular effects during reperfusion after acute ischemia. Icatibant decreased coronary blood flow in the isolated guinea pig heart and aggravated the duration of post-ischemic reperfusion arrhythmias in the isolated rat heart. Intracoronary infusion of icatibant in an anesthetized myocardial infarction dog model increased mortality rate 2-fold over saline ischemia. There is limited human experience in acute ischemia. Icatibant should be used during acute coronary ischemia, unstable angina pectoris, or in the weeks following a stroke only if the benefit exceeds the theoretical risk to the patient.

14 CLINICAL STUDIES

The efficacy and safety of icatibant for the treatment of acute attacks of HAE in adults were studied in three controlled clinical trials. Among the 223 patients in these studies, the mean age was 38 years, 64% were female, and 95% were white. Approximately 57% of patients reported use of attenuated androgens, antifibrinolytic agents, or C1 inhibitors. Response to therapy was primarily assessed using visual analog scores on a 100 mm scale and patient- and physician-reported symptom scores for abdominal and cutaneous pain and swelling.

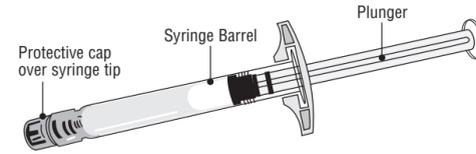
Trial 1 was a randomized, placebo-controlled, double-blind, parallel-group study of 98 adult patients with a median age of 36 years. Patients who had developed moderate to severe cutaneous or abdominal or mild to moderate laryngeal attacks of HAE were randomized to receive either icatibant 30 mg or placebo by subcutaneous injection. Patients with severe laryngeal attacks of HAE received open-label icatibant 30 mg. The primary endpoint was assessed using a 3-item composite visual analog score (VAS), comprised of averaged assessments of skin swelling, skin

Step-By-Step Instructions for your Icatibant Injection

Step 1. Preparing your dose of Icatibant Injection

- Wash your hands with soap and water.
- You will need the following supplies:
 - Your Icatibant Injection carton that includes 1 single-dose Icatibant Injection prefilled syringe and 1 needle.
 - An alcohol wipe
 - The medicine inside your Icatibant Injection prefilled syringe should be clear and colorless. Do not use your Icatibant Injection prefilled syringe if the solution contains particles, is cloudy, or an unusual color.

PREFILLED SYRINGE



CAPPED NEEDLE



ALCOHOL WIPE*



*wipe not included in carton

Figure A

Step 2. Remove the prefilled syringe and needle from the carton. See Figure B.

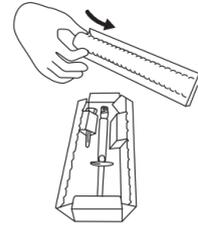


Figure B

Step 3. Remove the seal from the needle cap (the needle should remain inside the protective needle cap until ready to use). See Figure C.



Figure C

Step 4. Remove the protective cap from the end of the pre-filled syringe by unscrewing the cap. Hold the syringe firmly. Carefully attach the needle to the prefilled syringe containing the colorless icatibant solution. See Figure D.

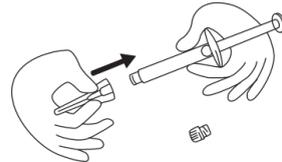


Figure D

Step 5. Firmly screw the needle on the prefilled syringe. Be careful not to remove the needle from the needle cap. See Figure E.

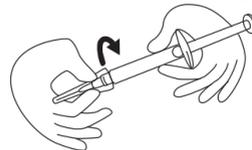


Figure E

Preparing the Injection Site

Step 6. Choose the injection site. The injection site should be a fold of skin on your stomach, about 2 to 4 inches (5 to 10 cm) below your belly button on either side. See Figure F.

The area you choose for injection should be at least 2 inches (5 cm) away from any scars. Do not choose an area that is bruised, swollen, or painful.

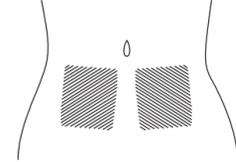


Figure F

Step 7. Clean your Icatibant Injection site with an alcohol wipe and allow it to dry. See Figure G.

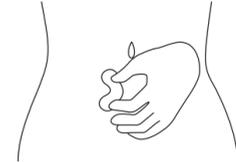


Figure G

Injecting your Icatibant Injection

Step 8. Remove the needle from the needle cap by holding the needle cap and carefully pulling the syringe. Do not pull up on the plunger. See Figure H.

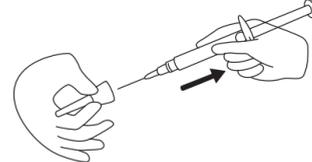


Figure H

Step 9. Hold the Icatibant Injection prefilled syringe in 1 hand, between your fingers and thumb. See Figure I.

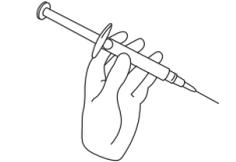


Figure I

Step 10. Use your other hand to gently pinch the fold of skin you cleaned with the alcohol wipe between your thumb and fingers for your injection. See Figure J.



Figure J

Step 11. Hold the syringe between a 45 to 90 degree angle to your skin with the needle facing the fold of skin you are holding. See Figure K.

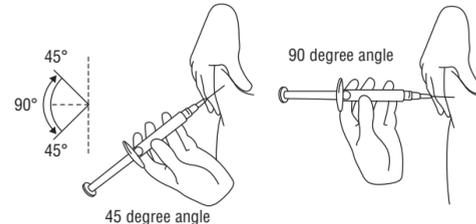


Figure K

Step 12. Hold the fold of skin. Bring the syringe to the skin and quickly insert the needle into the skin fold. See Figure L.



Figure L

Step 13. Push the plunger, at the top of the syringe, over at least 30 seconds until no icatibant is in the syringe. See Figure M.



Figure M

Step 14. Release the skin fold and gently pull the needle out. See Figure N.

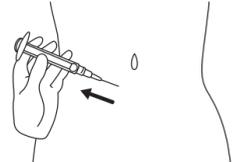


Figure N

Disposal of your used Icatibant Injection prefilled syringe

Step 15. Place the used Icatibant Injection syringe, with the needle attached, in a sharps container (such as a red biohazard container), a hard plastic container, (such as a detergent bottle), or a metal container (such as an empty coffee can). Seal the container and throw it away the right way. There may be state and local laws about the right way to throw away used syringes and needles. Ask your healthcare provider or pharmacist how to throw away used syringes and needles. See Figure O.



Figure O

This Patient Package Insert and Instructions for Use have been approved by the U.S. Food and Drug Administration.

Manufactured In Israel By:
Teva Pharmaceutical Ind. Ltd.
Jerusalem, 9777402, Israel

Manufactured For:
Teva Pharmaceuticals USA, Inc.
North Wales, PA 19454