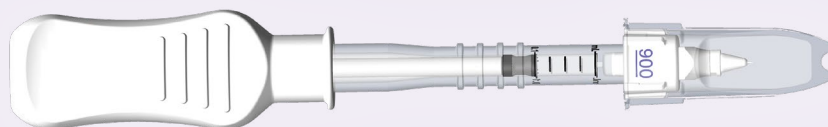


XIPERE[®]
(triamcinolone acetonide
injectable suspension) 40 mg/mL

FAQs about injecting into the
SUPRACHOROIDAL SPACE (SCS[®])

This guide is intended to address questions you may have about using the SCS Microinjector[®]. You will also find helpful insights from injections performed in clinical trials.



Indication

XIPERE[®] (triamcinolone acetonide injectable suspension) for suprachoroidal use is a corticosteroid indicated for the treatment of macular edema associated with uveitis.

Important Safety Information

Patients should be monitored following injection for elevated intraocular pressure. See Dosage and Administration instructions in full Prescribing Information.

- XIPERE is contraindicated in patients with **active or suspected ocular or periocular infections** including most viral diseases of the cornea and conjunctiva, including active epithelial herpes simplex keratitis (dendritic keratitis), vaccinia, varicella, mycobacterial infections, and fungal diseases.

Please see additional Important Safety Information and accompanying full Prescribing Information.

1

What are some potential benefits of injecting into the SCS®?¹

In preclinical studies, data showed that injection into the SCS resulted in higher levels of XIPIRE® (triamcinolone acetonide injectable suspension) 40 mg/mL found in posterior tissues relative to intravitreal (IVT) injection. There were also lower levels of XIPIRE found in the anterior segment with injection into the SCS compared with IVT injection.

The clinical significance of this data is unknown.

2

What is in the SCS Microinjector® kit?^{2,3}

1. Syringe with attached vial adapter
2. Two 30-gauge needles marked 900 µm and 1,100 µm; each with a safety cap with integrated fixed length 4.5 mm calipers
3. Drug vial

3

How should the patient be prepared to receive an injection into the SCS®?²

Per standard practice for in-office ocular injections:

- Apply a local anesthetic
- Prep and drape the eye
- Insert lid speculum and ensure lids are fully retracted

4

How do I properly withdraw the drug from the drug vial?²

Ensure the vial adapter spike is perpendicularly aligned and thrust straight down into the center of the drug vial cap, and withdraw XIPIRE.

5

How do I determine location for injecting into the SCS®?²

Use calipers or the distal end of the SCS Microinjector® cap to measure 4.0 to 4.5 mm posterior to the limbus, which was found to be associated with a lower rate of switching needles in clinical trials.

Important Safety Information (cont'd)

- XIPIRE® is contraindicated in patients with known **hypersensitivity to triamcinolone acetonide** or any other components of this product.
- Use of corticosteroids may produce cataracts, increased intraocular pressure, and glaucoma. Use of corticosteroids may enhance the establishment of secondary ocular infections due to bacteria, fungi, or viruses, and should be used cautiously in patients with a history of ocular herpes simplex.

Please see additional Important Safety Information and accompanying full Prescribing Information.

6

What are the key steps to using the SCS Microinjector®?²

Always review the Dosing and Administration section of the PI. Here are important steps to remember:

1. Position the SCS Microinjector® perpendicular to the eye, 4 to 4.5 mm posterior to the limbus, as outlined in **question 5**
2. Apply enough pressure to create a dimple in the conjunctiva with the needle hub
3. Gently depress plunger until you feel a loss of resistance
4. **Important: Slowly inject XIPERE® over 5-10 seconds and maintain contact with the eye for a few seconds after injecting**

7

How do I determine which needle length to begin with?²

Always begin with the 900 µm needle. In clinical studies, 72% of 252 injections were successfully conducted with the 900 µm needle without a needle switch. If you encounter resistance with the 900 µm needle, refer to **question 8** for how to proceed.

8

What if there is resistance when I try to inject?²

Resistance happens when the 900 µm needle is not long enough to reach the SCS®. **If this occurs you should:**

1. Ensure the SCS Microinjector® is aligned perpendicularly with the eye while maintaining a dimple in the conjunctiva. Retry. **If you still encounter resistance:**
2. Relocate the SCS Microinjector® to a new injection site and attempt one more injection with the 900 µm needle. **If you still encounter resistance:**
3. Remove the 900 µm needle and reconnect the syringe to the vial adapter
4. Resume the injection procedure, **following STEPS F through N** of the Instruction Guide. **Remember, in STEP I you will now use the 1,100 µm needle and account for any partial dose already given with the first needle**

9

What if the plunger will not advance when I prime the SCS Microinjector®?²

On rare occasions, the needle can become clogged, preventing proper use of the syringe. If this happens, remove and replace the needle.

10

What if there is leakage between the needle and syringe barrel?²

First try screwing the needle more tightly onto the syringe. If leakage still occurs, replace both the syringe and needle.

Important Safety Information (cont'd)

- Hypothalamic-pituitary-adrenal (HPA) axis suppression, Cushing's syndrome, and hyperglycemia can occur following administration of a corticosteroid. Monitor patients for these conditions with chronic use.

Please see additional Important Safety Information and accompanying full Prescribing Information.

XIPERE[®]

(triamcinolone acetonide
injectable suspension) 40 mg/mL

11

What if I continue to encounter resistance with the synthetic model eye used in training?²

There are 3 reasons you might be unable to inject into the model eye:

1. Each model eye can be injected 3 to 6 times with a 0.1 mL dose before it is unusable
2. You may be mistakenly injecting into the noninjectable quadrant
3. You may have a defective model eye

12

What can patients expect after injection into the SCS[®]?³

Immediately following suprachoroidal injection, patients should be monitored for elevation of intraocular pressure (IOP). Appropriate monitoring may consist of a check for perfusion of the optic nerve head or tonometry. Following suprachoroidal injection, patients should be instructed to report any symptoms suggestive of endophthalmitis or retinal detachment (e.g., eye pain, redness of eye, photophobia, blurring of vision) without delay.

Important Safety Information (cont'd)

- In controlled studies, the most common ocular adverse reactions were increased ocular pressure, non-acute (14%), eye pain, non-acute (12%), cataract (7%), increased intraocular pressure, acute (6%), vitreous detachment (5%), injection site pain (4%), conjunctival hemorrhage (4%), visual acuity reduced (4%), dry eye (3%), eye pain, acute (3%), photophobia (3%), and vitreous floaters (3%), and in 2% of patients: uveitis, conjunctival hyperaemia, punctate keratitis, conjunctival oedema, meibomianitis, anterior capsule contraction, chalazion, eye irritation, eye pruritus, eyelid ptosis, photopsia, and vision blurred.

The most common non-ocular adverse event was headache (5%).

- Corticosteroids should be used during pregnancy or nursing only if the potential benefit justifies the potential risk to the fetus or nursing infant.

To report SUSPECTED ADVERSE REACTIONS, contact Bausch + Lomb at 1-800-321-4576 or FDA at 1-800-FDA-1088 or visit www.fda.gov/medwatch.

Please see additional Important Safety Information and accompanying full Prescribing Information.

References: **1.** Edelhauser HF, Patel SR, Meschter C, Dean R, Powell K, Verhoeven RS. Suprachoroidal microinjection delivers triamcinolone acetonide to therapeutically-relevant posterior ocular structures and limits exposure in the anterior segment. Poster presented at: Association for Research in Vision and Ophthalmology Annual Meeting; May 5-9, 2013; Seattle, WA. **2.** Data on file. Clearside Biomedical, Inc. **3.** XIPERE[®] Prescribing Information. Alpharetta, GA: Clearside Biomedical, Inc.

HIGHLIGHTS OF PRESCRIBING INFORMATION

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

XIPERE™ (triamcinolone acetonide injectable suspension), for suprachoroidal use
Initial U.S. Approval: 1957

INDICATIONS AND USAGE

XIPERE™ is a corticosteroid indicated for the treatment of macular edema associated with uveitis. (1)

DOSAGE AND ADMINISTRATION

The recommended dosage is 4 mg (0.1 mL) administered as a suprachoroidal injection. (2.1)

DOSAGE FORMS AND STRENGTHS

Injectable suspension: triamcinolone acetonide 40 mg/mL in a single-dose vial. (3)

CONTRAINDICATIONS

- Ocular or periocular infections (4.1)
- Hypersensitivity to triamcinolone or any component of this product (4.2)

WARNINGS AND PRECAUTIONS

Potential Corticosteroid-Related Effects: Use of corticosteroids may produce cataracts, increased intraocular pressure, and glaucoma. (5.1)

ADVERSE REACTIONS

In controlled studies, the most common adverse reactions reported by ≥ 10% of patients and at a rate greater than control included elevated intraocular pressure and eye pain. (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact Clearside Biomedical, Inc. at 1-866-494-7373 (1-866-4XIPERE) or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION

Revised: 10/2021

FULL PRESCRIBING INFORMATION: CONTENTS*

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2 DOSAGE AND ADMINISTRATION

- 2.1 Dosing Information
- 2.2 Preparation for Administration
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3 DOSAGE FORMS AND STRENGTHS

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- 4.1 Ocular or Periocular Infections
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*Sections or subsections omitted from the full prescribing information are not listed.

FULL PRESCRIBING INFORMATION

1 INDICATIONS AND USAGE

XIPERE™ (triamcinolone acetonide injectable suspension) 40 mg/mL is indicated for the treatment of macular edema associated with uveitis.

2 DOSAGE AND ADMINISTRATION

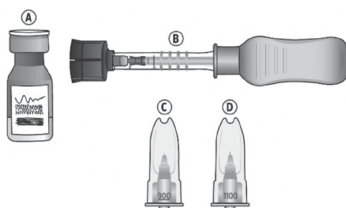
2.1 Dosing Information

For suprachoroidal injection using the SCS Microinjector®. The recommended dose of XIPERE™ is 4 mg (0.1 mL of the 40 mg/mL injectable suspension).

2.2 Preparation for Administration

Suprachoroidal injection is performed under aseptic conditions. The components for administration include:

- A. One single-dose glass vial of triamcinolone acetonide injectable suspension 40 mg/mL
- B. One SCS Microinjector® syringe with vial adapter attached
- C. One 30-G x 900-µm needle
- D. One 30-G x 1100-µm needle



Step 1

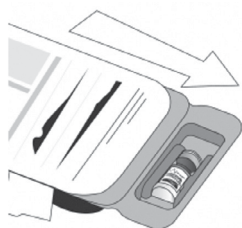


Figure A

Remove the tray from the carton (see Figure A). The tray consists of two compartments:

- An open non-sterile compartment that holds the vial
- A sealed compartment that contains a sterile tray

Step 2

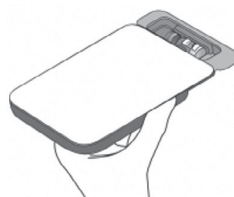


Figure B

Examine the tray for damage (see Figure B). Ensure that the sealed compartment cover is intact and that there is no evidence of damage. If damage is present, do not use.

Step 3



Figure C

Remove the vial from the tray (see Figure C). Examine the vial and ensure there is no evidence of damage. Set aside for use in step 6.

Step 4



Figure D

Peel off the compartment cover, exposing the sterile tray (see Figure D).

Step 5

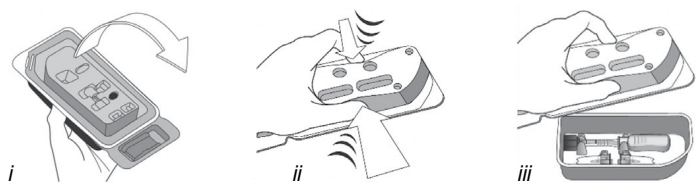


Figure E

Grasp and hold the long sides of the tray and invert the tray. Squeeze gently to release the sterile tray onto the appropriate sterile preparation surface (see Figure E, *i – iii*).

Step 6

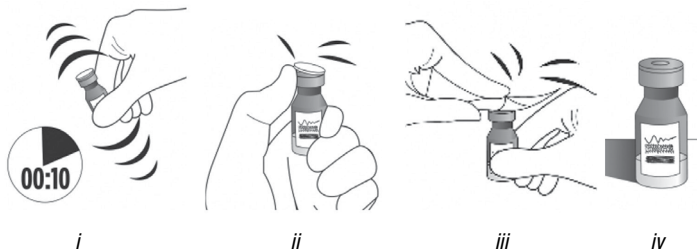
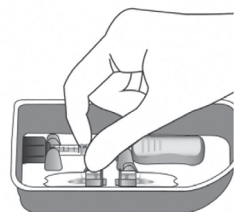


Figure F

Vigorously shake the vial for 10 seconds. Inspect the vial for clumping or granular appearance of the sterile contents. If clumping or granular appearance is present, do not use. Remove the protective plastic cap from the vial and clean the top of the vial with an alcohol wipe. Place the vial on a flat surface (see Figure F, *i – iv*). To avoid settling of the suspension, continue to the next steps without delay.

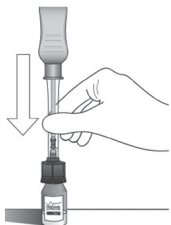
Step 7



Remove the syringe with attached vial adapter from the tray (see Figure G). Ensure the vial adapter is secured to the syringe by tightening the connection.

Figure G

Step 8



Holding the clear barrel of the syringe, connect the vial adapter to the vial by firmly pushing the spike of the vial adapter straight through the center of the vial septum until it snaps securely into place (see Figure H).

NOTE: Do not introduce additional air into the syringe prior to connecting the vial adapter to the vial.

Figure H

Step 9



Figure I

Invert the entire assembly so that the vial is directly above the syringe. Slide the white plunger handle all the way back and forth multiple times to fill the entire syringe with drug and remove any remaining air (see Figure I, *i and ii*).

NOTE: The syringe should be handled by the clear barrel during filling, connecting and disconnecting procedures. The white plunger handle has a stop to prevent complete removal of the plunger from the syringe.

Step 10



Figure J

While holding the vial adapter and vial, disconnect the syringe by twisting it off of the adapter (see Figure J).

Retain the vial, with the vial adapter connected, in the event re-access is necessary.

Step 11

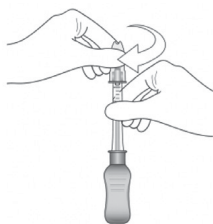


Figure K

Connect the 900-µm needle to the syringe by twisting onto the syringe (see Figure K). At the discretion of the physician, the longer needle may be used. Ensure a secure connection.

Step 12

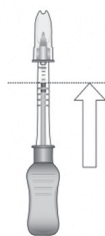


Figure L

Hold the syringe barrel with the needle pointing up. Expel air bubbles and excess drug by slowly sliding the white plunger handle so that the plunger tip aligns with the line that marks 0.1 mL on the syringe (see Figure L).

NOTE: Perform the suprachoroidal injection without delay to prevent settling of the drug.

2.3 Administration

The suprachoroidal injection procedure should be carried out under controlled aseptic conditions, which include the use of sterile gloves, a sterile drape, a sterile eyelid speculum (or equivalent), and a sterile cotton swab. Adequate anesthesia and a broad-spectrum microbicide applied to the periocular skin, eyelid, and ocular surface are recommended to be given prior to the suprachoroidal injection.

Step 13

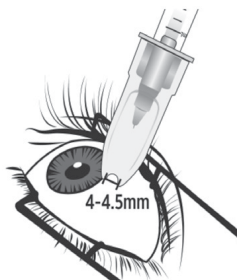
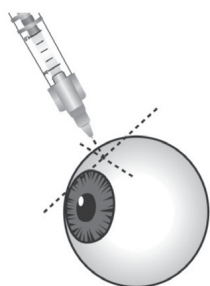


Figure M

Identify the injection site by measuring 4 – 4.5 mm posterior to the limbus using the tip of the needle cap or ophthalmic calipers (see Figure M).

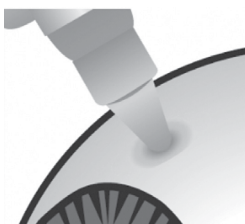
Step 14



Carefully pull off the needle cap to expose the needle. Holding the syringe perpendicular to the ocular surface, insert the needle through the conjunctiva into the sclera (see Figure N).

Figure N

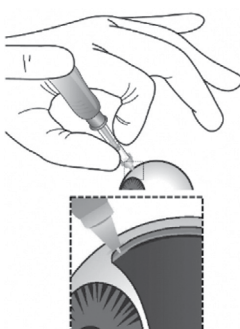
Step 15



Once the needle is inserted into the sclera, ensure that the hub of the needle is in firm contact with the conjunctiva, compressing the sclera and creating a dimple on the ocular surface using a light amount of force against the eye. Maintain the dimple and perpendicular positioning throughout the injection procedure (see Figure O).

Figure O

Step 16



While maintaining the dimple on the ocular surface, gently press the white plunger handle so that the plunger moves forward and drug is slowly injected over 5 – 10 seconds. Movement of the plunger will be felt as a loss of resistance and indicates that the needle is in the correct anatomical location for suprachoroidal injection (see Figure P).

If resistance is felt and the plunger does not advance, confirm the hub is in firm contact with the conjunctiva creating a dimple and that the syringe is positioned perpendicular to the ocular surface. Small adjustments in positioning may be necessary.

Figure P

Step 17

Maintain the hub against the eye for 3 – 5 seconds after the drug product has been injected.

Step 18

Remove the needle slowly from the eye while holding a sterile cotton swab next to the needle as it is withdrawn. Immediately cover the injection site with a sterile cotton swab.

Step 19

Hold the swab over the injection site with light pressure for a few seconds and then remove.

If continued resistance is experienced during injection attempts:

- Remove the needle from the eye and examine the eye for any issues. If patient safety is not at risk, the physician may use medical judgment to restart the injection procedure at a new site adjacent to the original injection site.
- If resistance continues and patient safety is not at risk, the physician may use appropriate medical judgment to change to the additional included needle in the sterile tray. Twist to remove the needle and reconnect the syringe to the vial by twisting the syringe onto the vial adapter. Repeat the preparation and injection process as stated in steps 9 – 18 with the additional needle (allowing for any partial dose given with the first needle when completing preparation Step 12).

Immediately following suprachoroidal injection, patients should be monitored for elevation of intraocular pressure. Appropriate monitoring may consist of a check for perfusion of the optic nerve head or tonometry.

Following suprachoroidal injection, patients should be instructed to report any symptoms suggestive of endophthalmitis or retinal detachment (e.g., eye pain, redness of eye, photophobia, blurring of vision) without delay [see Patient Counseling Information (17)].

Each XIPIRE™ package (microinjector syringe with vial adapter, 900-µm needle, 1100-µm needle, and vial of triamcinolone acetonide injectable suspension 40 mg/mL) is single-dose and should only be used for the treatment of one eye.

After suprachoroidal injection, all drug product and components (used or unused) must be discarded appropriately.

3 DOSAGE FORMS AND STRENGTHS

Injectable suspension: triamcinolone acetonide 40 mg/mL suspension in a single-dose glass vial for use with the supplied SCS Microinjector®.

4 CONTRAINDICATIONS

4.1 Ocular or Periocular Infections

XIPIRE™ is contraindicated in patients with active or suspected ocular or periocular infections including most viral diseases of the cornea and conjunctiva, including active epithelial herpes simplex keratitis (dendritic keratitis), vaccinia, varicella, mycobacterial infections, and fungal diseases.

4.2 Hypersensitivity

XIPIRE™ is contraindicated in patients with known hypersensitivity to triamcinolone acetonide or any other components of this product.

5 WARNINGS AND PRECAUTIONS

5.1 Potential Corticosteroid-Related Effects

Use of corticosteroids may produce cataracts, increased intraocular pressure, and glaucoma. Use of corticosteroids may enhance the establishment of secondary ocular infections due to bacteria, fungi, or viruses.

Corticosteroids should be used cautiously in patients with a history of ocular herpes simplex. Corticosteroids should not be used in patients with active ocular herpes simplex.

5.2 Alterations in Endocrine Function

Hypothalamic-pituitary-adrenal (HPA) axis suppression, Cushing's syndrome, and hyperglycemia can occur following administration of a corticosteroid. Monitor patients for these conditions with chronic use.

Corticosteroids can produce reversible HPA axis suppression with the potential for glucocorticosteroid insufficiency after withdrawal of treatment. Drug induced secondary adrenocortical insufficiency may be minimized by gradual reduction of dosage. This type of relative insufficiency may persist for months after discontinuation of therapy; therefore, in any situation of stress occurring during that period, hormone therapy should be reinstituted. Metabolic clearance of corticosteroids is decreased in hypothyroid patients and increased in hyperthyroid patients. Changes in thyroid status of the patient may necessitate adjustment in dosage.

6 ADVERSE REACTIONS

6.1 Clinical Trials Experience

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.

XIPIRE™ was studied in a multicenter, randomized, sham-controlled, double-masked study in patients with macular edema associated with uveitis. Table 1 summarizes data available from the clinical trial for XIPIRE™ treated patients and control patients.

The most common ocular (study eye) adverse reactions occurring in ≥ 2% of patients and non-ocular adverse reactions occurring in ≥ 5% of patients are shown in Table 1.

Table 1: Ocular Adverse Reactions Reported in ≥ 2% of Patients and Non-ocular Adverse Reactions Reported by ≥ 5% of Patients

Adverse Reaction	XIPIRE™ (N = 96) n (%)	Control (N = 64) n (%)
Ocular		
Increased intraocular pressure, non-acute ^{a, b}	13 (14%)	9 (14%)
Eye pain, non-acute ^b	11 (12%)	0
Cataract ^c	7 (7%)	4 (6%)
Increased intraocular pressure, acute ^{a, d}	6 (6%)	0
Vitreous detachment	5 (5%)	1 (2%)
Injection site pain	4 (4%)	2 (3%)
Conjunctival haemorrhage	4 (4%)	2 (3%)
Visual acuity reduced	4 (4%)	1 (2%)
Dry eye	3 (3%)	1 (2%)
Eye pain, acute ^d	3 (3%)	0

Table 1: Ocular Adverse Reactions Reported in ≥ 2% of Patients and Non-ocular Adverse Reactions Reported by ≥ 5% of Patients (continued)

Adverse Reaction	XIPERE™ (N = 96) n (%)	Control (N = 64) n (%)
Photophobia	3 (3%)	0
Vitreous floaters	3 (3%)	0
Uveitis	2 (2%)	7 (11%)
Conjunctival hyperaemia	2 (2%)	2 (3%)
Punctate keratitis	2 (2%)	1 (2%)
Conjunctival oedema	2 (2%)	0
Meibomianitis	2 (2%)	0
Anterior capsule contraction	2 (2%)	0
Chalazion	2 (2%)	0
Eye irritation	2 (2%)	0
Eye pruritus	2 (2%)	0
Eyelid ptosis	2 (2%)	0
Photopsia	2 (2%)	0
Vision blurred	2 (2%)	0
Non-ocular		
Headache	5 (5%)	2 (3%)

^a Includes intraocular pressure increased and ocular hypertension

^b Defined as not occurring on the day of the injection procedure, or occurring on the day of the injection procedure and not resolving the same day

^c Includes cataract, cataract cortical, and cataract subcapsular

^d Defined as occurring on the day of the injection procedure and resolving the same day

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

There are no adequate and well-controlled studies with XIPERE™ in pregnant women to inform drug-associated risks. In animal reproductive studies from the published literature, topical ocular administration of corticosteroids has been shown to produce teratogenicity at clinically relevant doses. There is negligible systemic XIPERE™ exposure following suprachoroidal injection [see *Clinical Pharmacology* (12.3)]. Corticosteroids should be used during pregnancy only if the potential benefit justifies the potential risk to the fetus. All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. In the U.S. general population, the estimated risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively.

Animal Data

Animal reproduction studies using XIPERE™ have not been conducted. In animal reproductive studies from the published literature, topical ocular administration of corticosteroids to pregnant mice and rabbits during organogenesis has been shown to produce cleft palate, embryofetal death, herniated abdominal viscera, hypoplastic kidneys and craniofacial malformations.

8.2 Lactation

Risk Summary

It is not known whether ocular administration of corticosteroids could result in sufficient systemic absorption to produce detectable quantities in human milk. Systemically administered corticosteroids appear in human milk and could suppress growth, interfere with endogenous corticosteroid production, or cause other untoward effects. The developmental and health benefits of breastfeeding should be considered along with the mother's clinical need for XIPERE™ and any potential adverse effects on the breastfed infant from XIPERE™. There are no data on the effects of XIPERE™ on milk production.

8.4 Pediatric Use

Safety and effectiveness of XIPERE™ in pediatric patients have not been established.

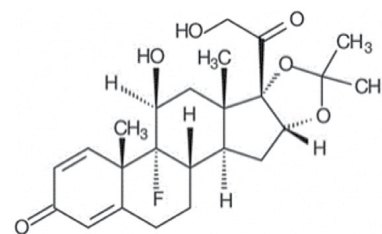
8.5 Geriatric Use

No overall differences in safety or effectiveness have been observed between elderly and younger patients following XIPERE™ administration.

11 DESCRIPTION

XIPERE™ is a sterile, preservative-free, injectable suspension of triamcinolone acetonide, a synthetic corticosteroid for use with the SCS Microinjector®. Each mL of the sterile, aqueous suspension contains 40 mg of triamcinolone acetonide with 0.55% (weight/volume [w/v]) sodium chloride for tonicity, 0.5% (w/v) carboxymethylcellulose sodium, and 0.02% (w/v) polysorbate 80. It also contains potassium chloride, calcium chloride (dihydrate), magnesium chloride (hexahydrate), sodium acetate (trihydrate), sodium citrate (dihydrate), and water for injection. Hydrochloric acid may be used to adjust pH to

The chemical name for triamcinolone acetonide is 9-fluoro-11β,16α,17,21-tetrahydroxypregna-1,4-diene-3,20-dione cyclic 16,17-acetal with acetone. Its chemical structure is:



Molecular weight 434.50; molecular formula C₂₄H₃₁FO₆

Triamcinolone acetonide occurs as a white to cream-colored, crystalline powder having not more than a slight odor and is practically insoluble in water and very soluble in alcohol. XIPERE™ is provided as an injectable suspension in a single-dose glass vial with a rubber stopper and an aluminum seal. The SCS Microinjector® is a piston syringe and a needle approximately 1 mm in length (900-μm and 1100-μm needles are included) for conducting the suprachoroidal injection.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Triamcinolone acetonide is a synthetic glucocorticoid (glucocorticoids are often referred to as corticosteroids) with immunosuppressive and anti-inflammatory activity. The primary mechanism of action for triamcinolone acetonide is as a corticosteroid hormone receptor agonist.

12.3 Pharmacokinetics

In animal studies, data demonstrated that suprachoroidal injections resulted in larger amounts in total of triamcinolone acetonide found in the sclera, choroid, retinal pigment epithelial and retina, than with intravitreal injections of triamcinolone acetonide. Lower amounts of triamcinolone acetonide were found in the anterior segment and lens as compared to intravitreal injections of triamcinolone acetonide.

Plasma triamcinolone acetonide concentrations were evaluated in 19 patients with dosing of 4 mg XIPERE™ at Day 0 and Week 12. Plasma triamcinolone acetonide concentrations in all 19 patients were below 100 pg/mL at Week 4, 12, and 24 (concentrations ranged from < 10 pg/mL [LLOQ (lower limit of quantitation) of the assay] to 88.9 pg/mL), with the exception of one patient with a value of 243.4 pg/mL prior to the second dose at Week 12.

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

No information is available on the carcinogenic potential of triamcinolone acetonide.

Mutagenesis

No information is available on the mutagenic potential of triamcinolone acetonide.

Fertility

No information is available on the effect of triamcinolone acetonide on fertility.

14 CLINICAL STUDIES

The efficacy of XIPERE™ was assessed in a 6-month, randomized, multicenter, double-masked, sham-controlled study in patients with macular edema associated with anterior-, intermediate-, posterior-, or pan-uveitis. Patients were treated at baseline and week 12.

The primary efficacy endpoint was the proportion of patients in whom best corrected visual acuity (BCVA) had improved by ≥ 15 letters from baseline after 24 weeks of follow-up (Table 2).

Table 2: Number of Patients with ≥ 15 Letters Improvement from Baseline at Week 24

Patients Who Gained ≥ 15 Letters from Baseline at Week 24	XIPERE™ (N = 96)	Control (N = 64)
n (%)	45 (47%)	10 (16%)
Estimated Difference (95% CI)	31% (15%, 46%)	
CMH p-value*	< 0.01	

* The p-value was based on a Cochran Mantel Haenszel test for general association between treatment and response with stratification by country.

A statistically significantly greater proportion of patients treated with XIPERE™ achieved a ≥ 15-letter improvement in BCVA than control patients (p< 0.01) at Week 24.

BCVA mean change from baseline at different visits is shown in Figure 1. Central subfield retinal thickness (CST) mean change from baseline at different visits is shown in Figure 2.

Figure 1: Mean Change from Baseline in BCVA

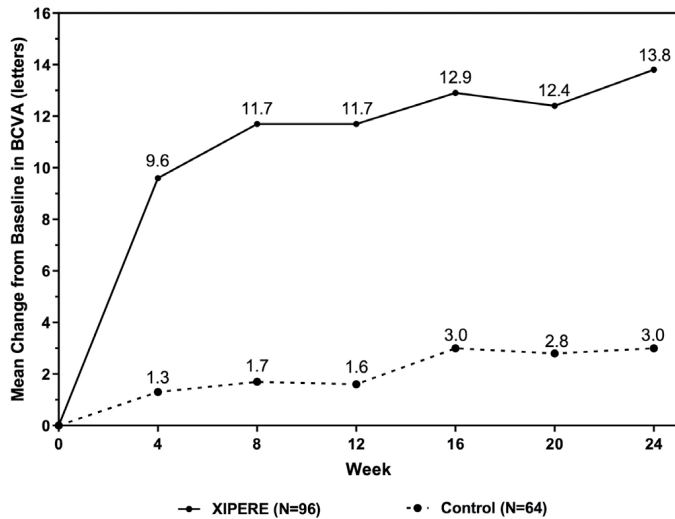
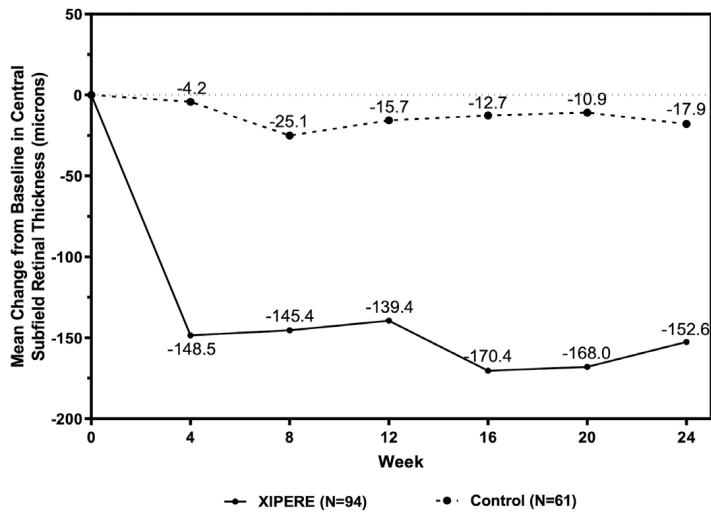


Figure 2: Mean Change from Baseline in CST



16 HOW SUPPLIED/STORAGE AND HANDLING

XIPERE™ is supplied with the following sterile components for administration, sealed in a Tyvek covered tray, and one single-dose glass vial, in a carton with a package insert (NDC 71565-040-01):

- One SCS Microinjector® syringe with vial adapter attached
- One 30-G x 900-µm needle
- One 30-G x 1100-µm needle
- One single-dose vial of triamcinolone acetonide injectable suspension 40 mg/mL (NDC 71565-040-25)

Storage: Store at 15°C to 25°C (59°F to 77°F); do not freeze. The drug vial should be protected from light by storing in the carton. Discard unused portion.

17 PATIENT COUNSELING INFORMATION

Corticosteroid-Related Effects

Advise patients that they may develop elevated intraocular pressure following treatment, which may need to be managed with medication or surgery.

When to Seek Physician Advice

Advise patients that if the eye becomes red, sensitive to light, painful, or develops a change in vision, they should seek immediate care from an ophthalmologist.

Manufactured for:

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