

ZINGO- lidocaine hydrochloride monohydrate powder
7T Pharma LLC

HIGHLIGHTS OF PRESCRIBING INFORMATION

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

ZINGO (lidocaine hydrochloride monohydrate)

powder intradermal injection system

Initial U.S. Approval: 1948

-----**INDICATIONS AND USAGE**-----

- ZINGO is an amide local anesthetic indicated for use on intact skin to provide local analgesia prior to venipuncture or peripheral intravenous cannulation in children 3–18 years of age. (1)
- ZINGO is indicated for use on intact skin to provide topical local analgesia prior to venipuncture in adults. (1)

Important Limitations:

For use on intact skin only (1, 2)

For external use only (5)

-----**DOSAGE AND ADMINISTRATION**-----

- Apply one ZINGO (0.5 mg lidocaine hydrochloride monohydrate) to the site planned for venipuncture or intravenous cannulation, one to three minutes prior to needle insertion. (2.1)
- Perform the procedure within 10 minutes after ZINGO administration. (2)
- Use ZINGO only on intact skin. (2)

-----**DOSAGE FORMS AND STRENGTHS**-----

ZINGO is a sterile, single-use, powder intradermal injection system containing 0.5 mg lidocaine hydrochloride monohydrate. (3) ZINGO utilizes a helium-powered delivery system. (11)

-----**CONTRAINDICATIONS**-----

ZINGO is contraindicated in patients with a known history of sensitivity to local anesthetics of the amide type. (4)

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

- Methemoglobinemia: Cases of methemoglobinemia have been reported in association with local anesthetic use. (5.1)
- Use on intact skin only (2.1, 5)
- Avoid contact with the eye (2.1, 5)
- Do not use if device is dropped or the pouch is damaged or torn (2.1)
- Patients with bleeding tendencies or platelet disorders could have a higher risk of superficial dermal bleeding (5)

-----**ADVERSE REACTIONS**-----

The most common adverse reactions (>5%) are skin reactions at the site of administration: erythema, petechiae, edema, and pruritus (6.1)

To report SUSPECTED ADVERSE REACTIONS, contact 7T Pharma, LLC, at 1-800-941-2848 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION.

Revised: November 2018

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* Sections or subsections omitted from the full prescribing information are not listed.

1 INDICATIONS AND USAGE

ZINGO is indicated for use on intact skin to provide topical local analgesia prior to venipuncture or peripheral intravenous cannulation, in children 3–18 years of age.

ZINGO is indicated for use on intact skin to provide topical local analgesia prior to venipuncture in adults.

2 DOSAGE AND ADMINISTRATION

Apply one ZINGO (0.5 mg lidocaine hydrochloride monohydrate) to the site planned for venipuncture or intravenous cannulation, one to three minutes prior to needle insertion.

Perform the procedure within 10 minutes after ZINGO administration.

Use ZINGO only on intact skin.

Application of one additional ZINGO at a new location is acceptable after a failed attempt at venous access. Multiple administrations of ZINGO at the same location are not recommended.

When ZINGO is used concomitantly with other products containing local anesthetic agents, the amount absorbed from all sources should be considered, as local anesthetics are thought to have at least additive toxicities.

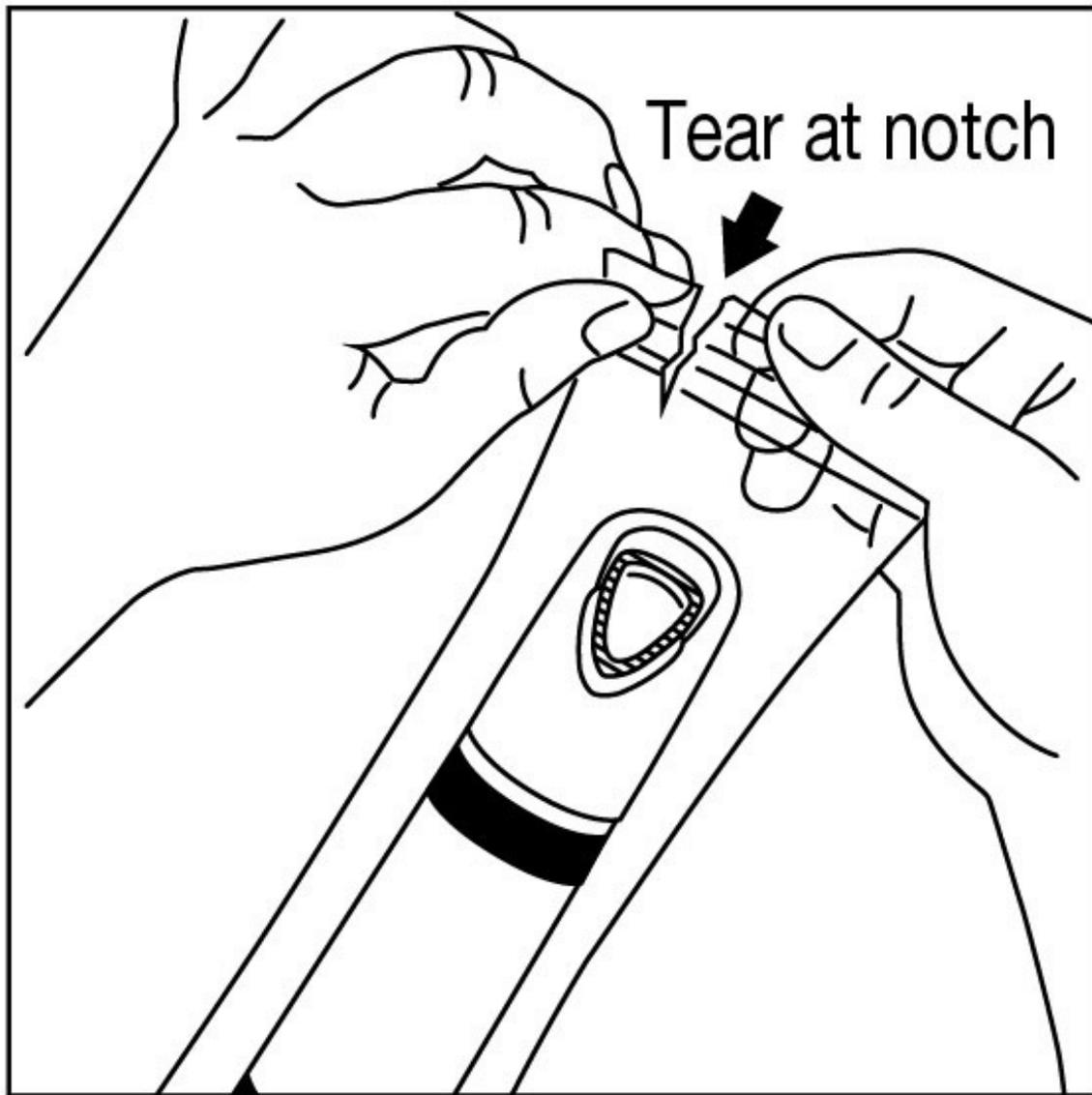
2.1 Instructions for Use

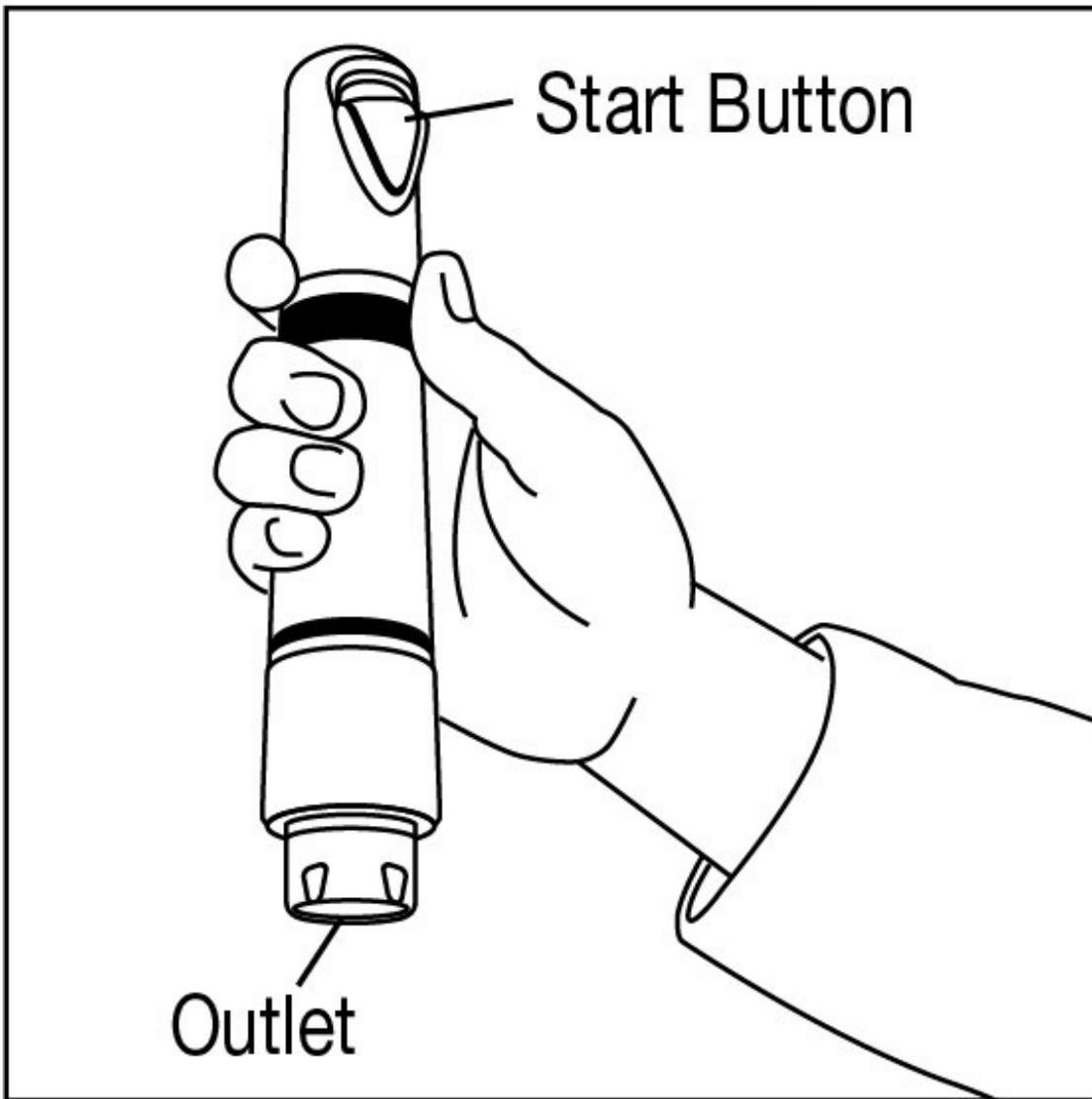
Prepare the Treatment Site and Device:

Examine the treatment site to ensure that the skin is intact. Clean the site, according to standard practice.

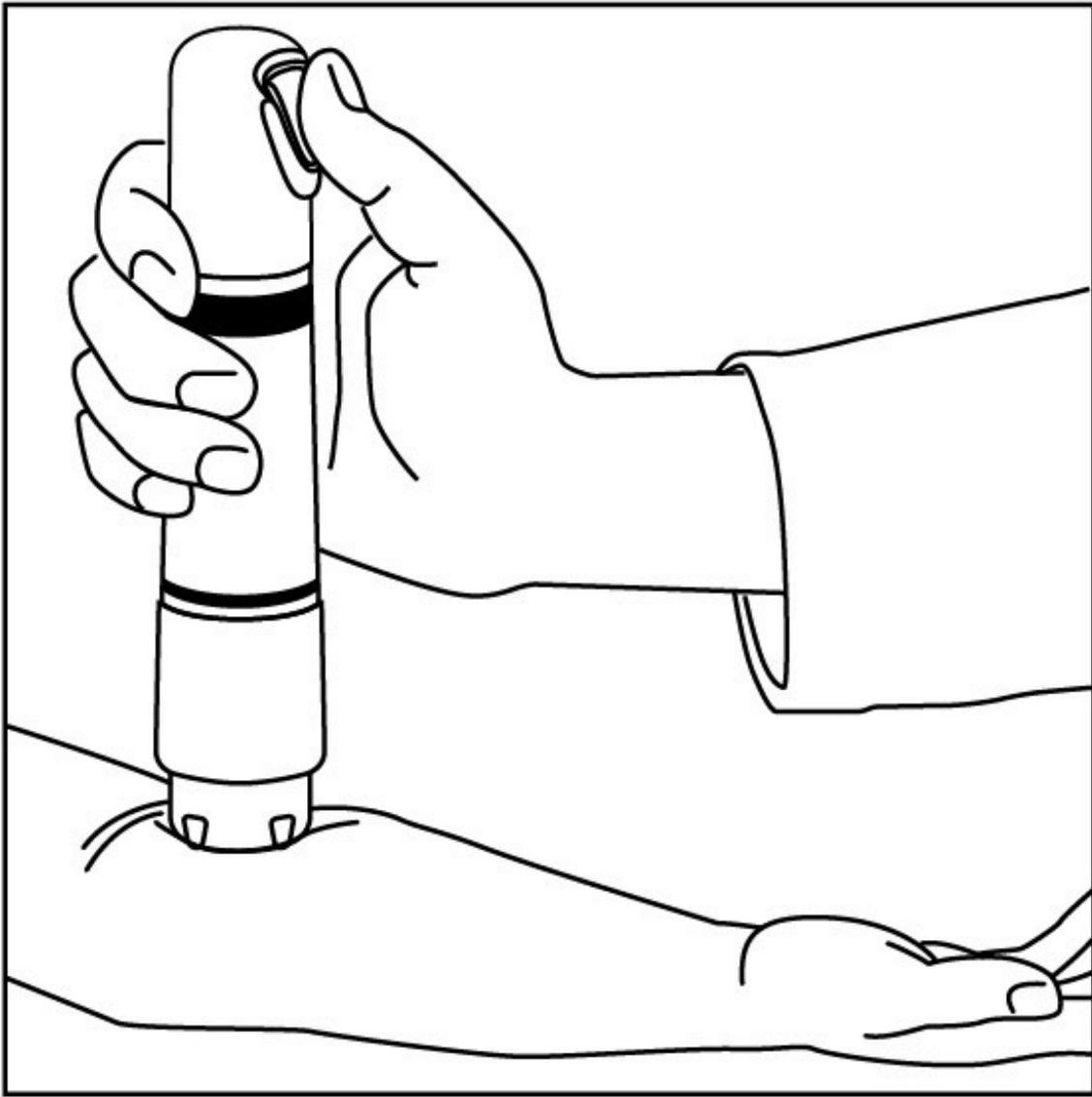
Visually inspect the pouch. Do not use if the pouch has been torn, or damaged or if the device has been dropped.

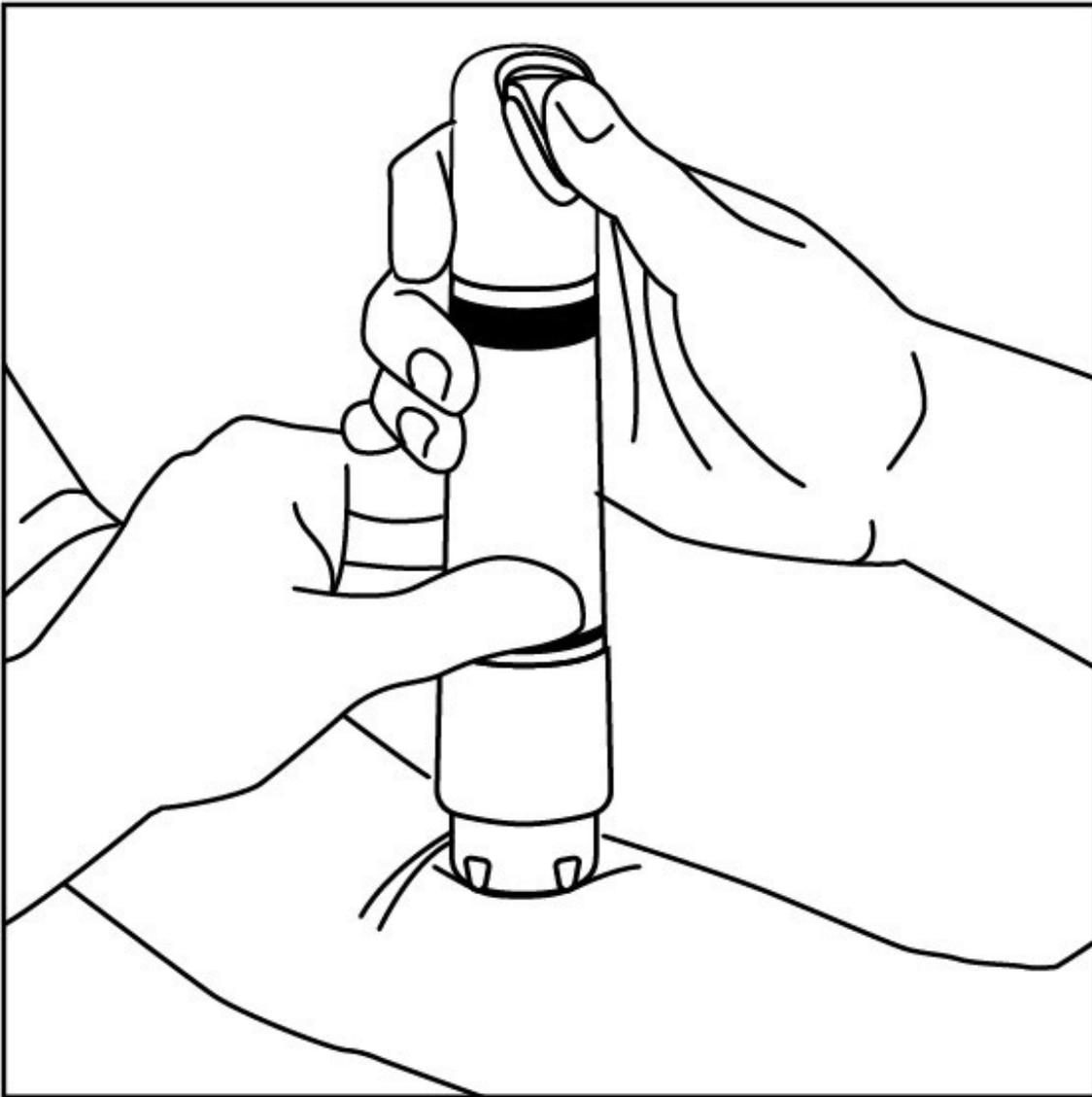
Tear open the pouch using the notch provided (Figure 1a). Remove ZINGO from the pouch, being careful not to touch the purple outlet (open end) to avoid contamination (Figure 1b).





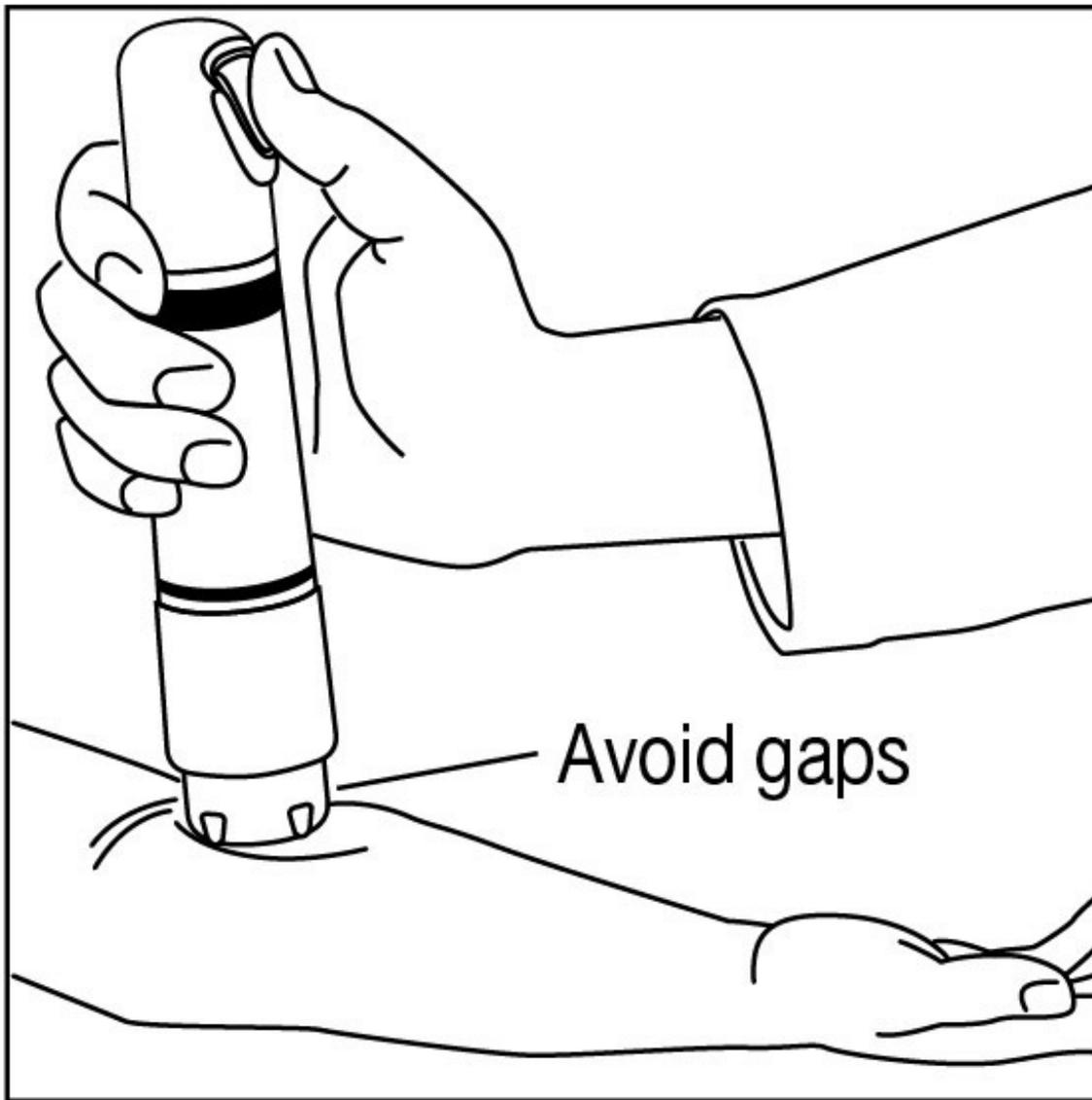
Position ZINGO: Grip ZINGO and place on the application site, with one hand, as illustrated in Figure 2, or with both hands, as shown in Figure 3.





Ensure that the patient's treatment site is supported to prevent movement. Seal the purple ZINGO outlet against the patient's skin. Hold the device perpendicular to the skin, making sure that your thumb can reach the green start button.

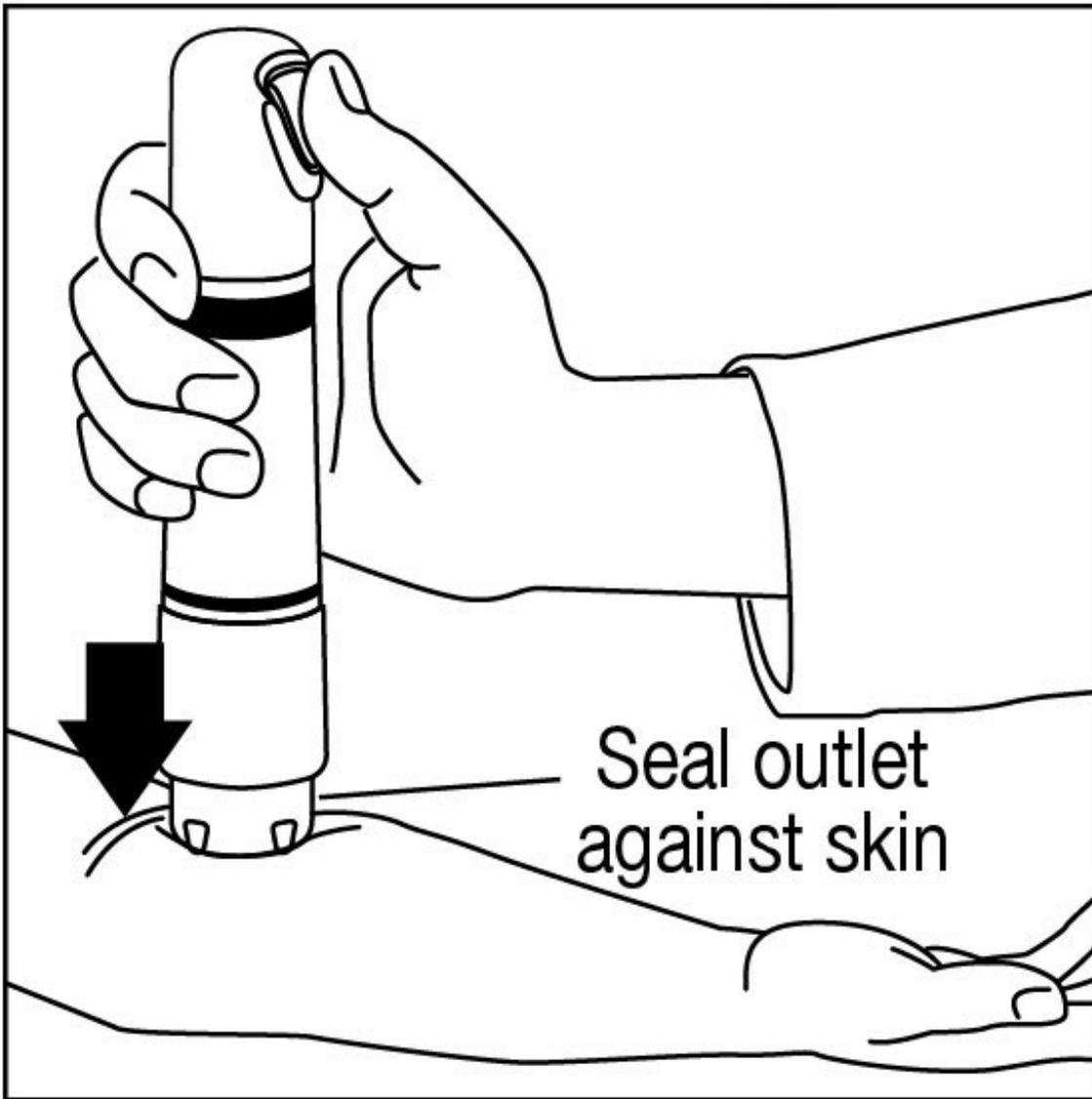
Avoid gaps between the skin and the ZINGO outlet, like the one illustrated in Figure 4, as gaps will impede drug delivery.

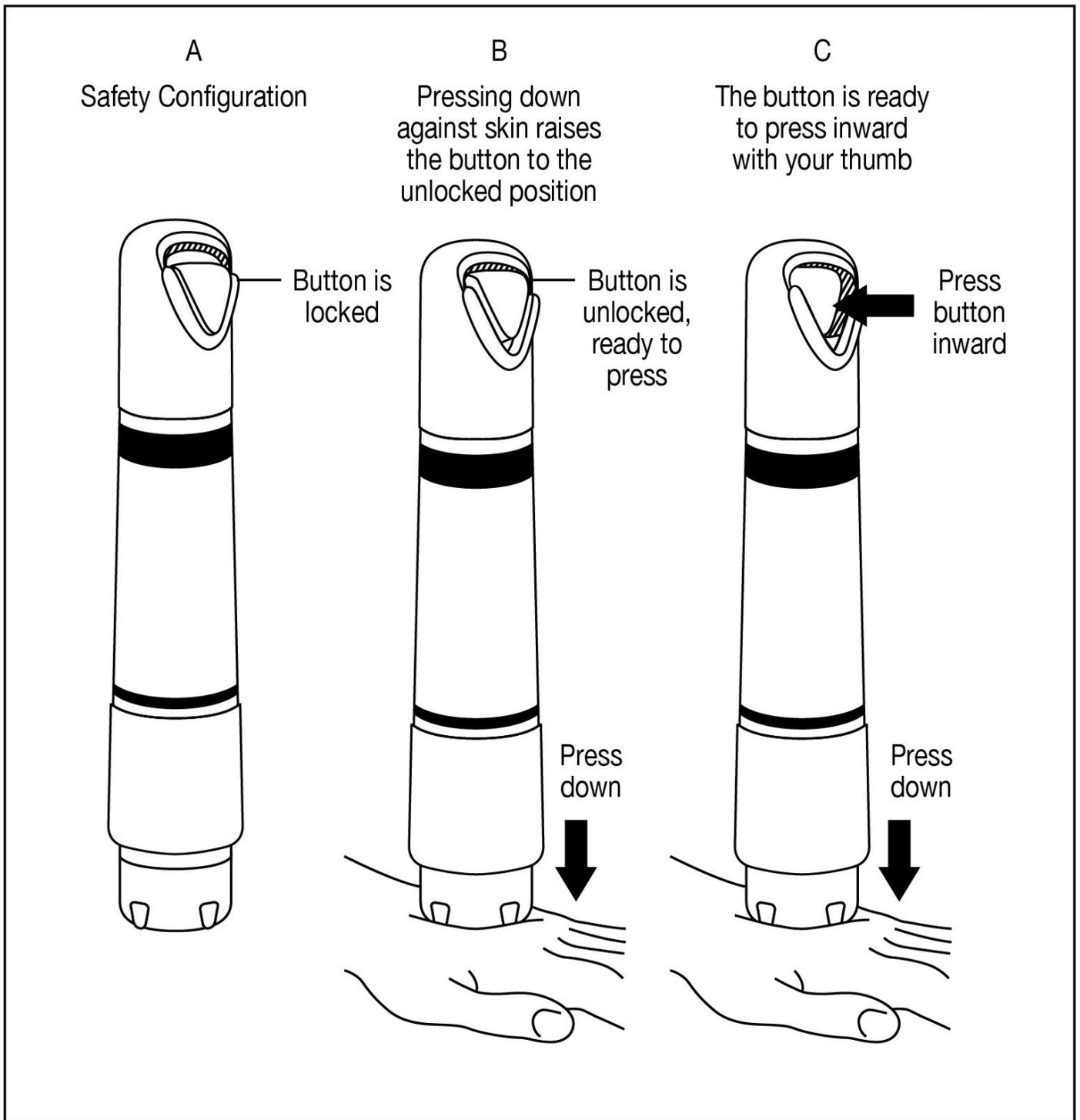


Release the Safety Interlock: Apply adequate downward pressure to release the safety interlock, while maintaining the seal between ZINGO and the skin.

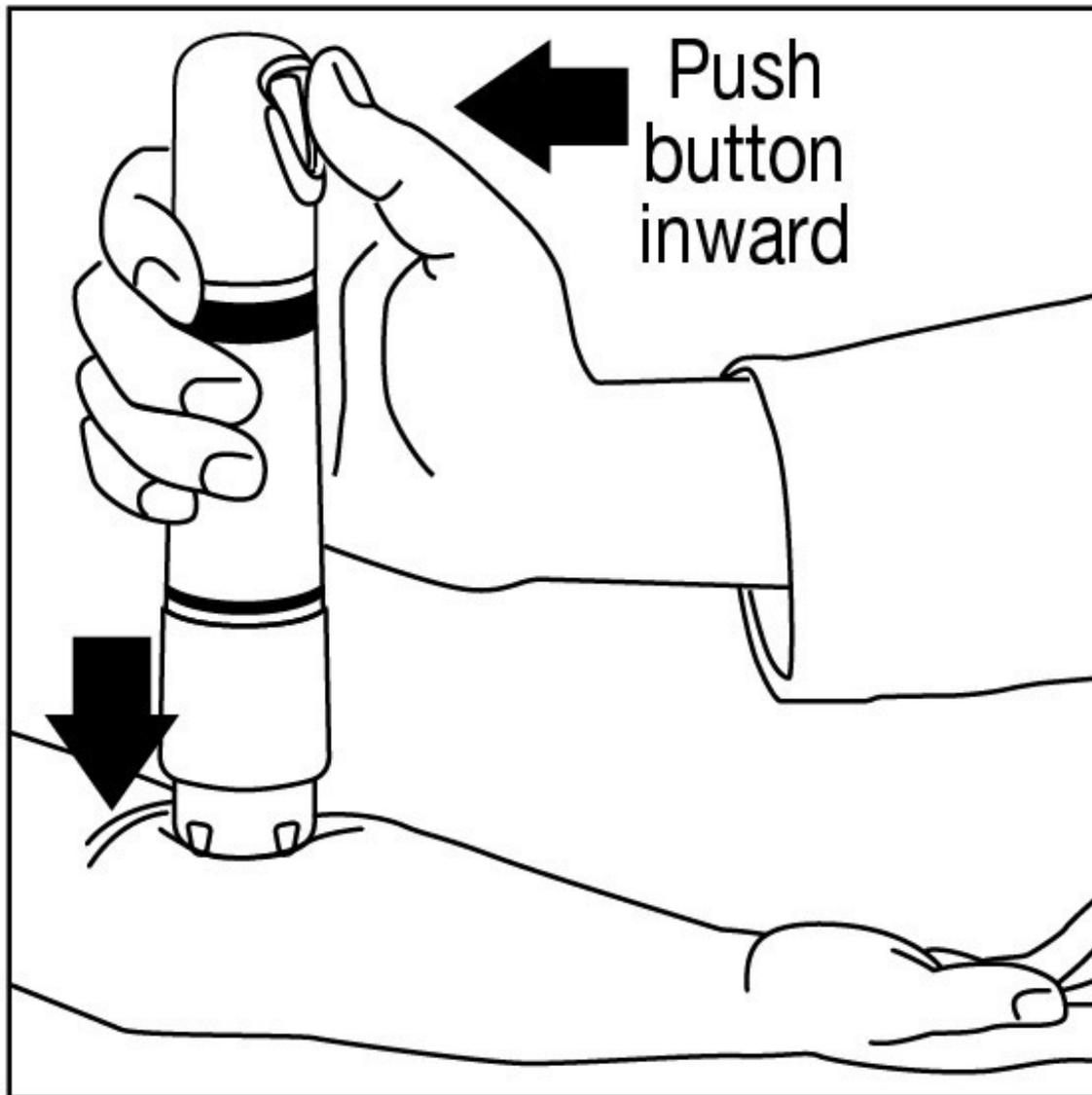
ZINGO is ready for administration when the green start button has moved into the upward position, as illustrated in Figure 5a.

ZINGO cannot be actuated without releasing the internal safety interlock, as illustrated in Figure 5b.





Administer ZINGO: While maintaining downward pressure, administer the dose by pressing the green start button, as illustrated in Figure 6. Do not move ZINGO during administration. Actuation is accompanied by a “popping” sound, indicating that the dose has been discharged.



Remove ZINGO: Remove ZINGO from the application site and dispose.

Begin Procedure: Start the venipuncture or intravenous cannulation procedure 1–3 minutes after ZINGO administration.

3 DOSAGE FORMS AND STRENGTHS

ZINGO (lidocaine hydrochloride monohydrate) powder intradermal injection system contains 0.5 mg of sterile lidocaine hydrochloride monohydrate.

4 CONTRAINDICATIONS

ZINGO is contraindicated in patients with a known history of sensitivity to local anesthetics of the amide type.

5 WARNINGS AND PRECAUTIONS

Do not use around the eyes.

Do not use ZINGO on body orifices, mucous membranes, or on areas with a compromised skin barrier. Only use ZINGO on skin locations where an adequate seal can be maintained.

Patients with severe hepatic disease or pseudocholinesterase deficiency, because of their inability to metabolize local anesthetics normally, are at a greater risk of developing toxic plasma concentrations of lidocaine.

Patients with bleeding tendencies or platelet disorders could have a higher risk of superficial dermal bleeding.

5.1 Methemoglobinemia

Cases of methemoglobinemia have been reported in association with local anesthetic use. Although all patients are at risk for methemoglobinemia, patients with glucose-6-phosphate dehydrogenase deficiency, congenital or idiopathic methemoglobinemia, cardiac or pulmonary compromise, infants under 6 months of age, and concurrent exposure to oxidizing agents or their metabolites are more susceptible to developing clinical manifestations of the condition. If local anesthetics must be used in these patients, close monitoring for symptoms and signs of methemoglobinemia is recommended.

Signs of methemoglobinemia may occur immediately or may be delayed some hours after exposure, and are characterized by a cyanotic skin discoloration and/or abnormal coloration of the blood.

Methemoglobin levels may continue to rise; therefore, immediate treatment is required to avert more serious central nervous system and cardiovascular adverse effects, including seizures, coma, arrhythmias, and death. Discontinue ZINGO and any other oxidizing agents. Depending on the severity of the signs and symptoms, patients may respond to supportive care, i.e., oxygen therapy, hydration. A more severe clinical presentation may require treatment with methylene blue, exchange transfusion, or hyperbaric oxygen.

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 clinical practice.

The safety of ZINGO has been evaluated in 10 clinical trials, five in adults and five in pediatric patients.

The five adult clinical trials consisted of a randomized, double-blind, parallel-arm, sham-placebo controlled Phase 3 trial that enrolled 693 patients, two randomized, double-blind, crossover design, sham-placebo controlled Phase 1 trials that enrolled 455 patients, and two open-label studies that enrolled 44 patients. A total of 742 adults received an active treatment with an active treatment that delivered a 0.5 mg dose of lidocaine, while 775 received placebo.

The five pediatric clinical trials consisted of five randomized, double-blind, parallel-arm, sham-placebo controlled trials in which 1761 patients, ages 3 to 18, received either ZINGO or a sham placebo device. A total of 906 pediatric patients received active treatment, while 855 received placebo.

Application Site Reaction

The application site was specifically assessed for four categories of skin site reaction (erythema, edema, pruritus, and petechiae).

In adults, erythema occurred in 67.3% of ZINGO-treated patients, and in 25.0% of placebo-treated patients. Petechiae occurred in 46.4% of ZINGO-treated patients, and in 7.0% of placebo-treated patients. Edema occurred in 4.3% of ZINGO-treated patients, and in 0.8% of placebo-treated patients. Pruritus occurred in 9.4% of ZINGO-treated patients and in 6.2% of placebo-treated patients.

In pediatric patients, erythema occurred in 53% of ZINGO-treated patients, and in 27% of placebo-treated patients. Petechiae occurred in 44% of ZINGO-treated patients, and in 5% of placebo-treated patients. Edema occurred in 8% of ZINGO-treated patients, and in 3% of placebo-treated patients. Pruritus occurred in 1% of patients in both treatment groups.

Adverse Reactions

Amongst the 742 adult patients receiving active treatment and 775 adult patients receiving sham placebo treatment in the 5 adult studies, the percentage of adult patients with any adverse reactions was 3.9% in the active-treated patients and 4.9% in the sham placebo treated patients.

Most adverse reactions were application-site related (i.e., hypoaesthesia (0% active, 0.5% sham placebo), burning (0.54% active, 0.4% sham placebo), and venipuncture site hemorrhage (0.4% active, 1.7% sham placebo)).

The most common systemic adverse reaction was dizziness, which occurred in 0.9% of active-treated adult patients and in 0.7% of sham placebo treated adult patients. No other systemic adverse events occurred in more than two patients in either treatment group.

Amongst the 906 pediatric patients receiving active treatment and 855 pediatric patients receiving sham placebo treatment, the percentage of pediatric patients with any adverse reactions was approximately 9% in each treatment group.

Most adverse reactions were application-site related (i.e., bruising, burning, pain, contusion, hemorrhage), occurring in 4% of pediatric patients in each treatment group.

The most common systemic adverse reactions were nausea (2%) and vomiting (1%).

7 DRUG INTERACTIONS

Patients who are administered local anesthetics are at increased risk of developing methemoglobinemia when concurrently exposed to the following drugs, which could include other local anesthetics:

Examples of Drugs Associated with Methemoglobinemia:

Class	Examples
Nitrates/Nitrites	nitric oxide, nitroglycerin, nitroprusside, nitrous oxide
Local anesthetics	articaine, benzocaine, bupivacaine, lidocaine, mepivacaine, prilocaine, procaine, ropivacaine, tetracaine
Antineoplastic agents	cyclophosphamide, flutamide, hydroxyurea, ifosfamide, rasburicase
Antibiotics	dapsone, nitrofurantoin, para-aminosalicylic acid, sulfonamides
Antimalarials	chloroquine, primaquine
Anticonvulsants	phenobarbital, phenytoin, sodium valproate,
Other drugs	acetaminophen, metoclopramide, quinine, sulfasalazine

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

ZINGO was not formally evaluated for effects on reproduction. Significant systemic exposure to lidocaine is not expected under recommended conditions of use of ZINGO as lidocaine levels were below the limit of detection in human studies. Lidocaine has been previously tested for reproductive toxicity in animal studies, however. The following ratios are based on the assumption that the applied dose is completely absorbed through the skin.

Teratogenic Effects

Pregnancy Category B. Lidocaine was not teratogenic in rats given subcutaneous doses up to 60 mg/kg [360 mg/m² or 1200-fold the single dermal administration (SDA) of 0.5 mg lidocaine in a 60 kg individual (0.3 mg/m²)] or in rabbits up to 15 mg/kg (180 mg/m² or 600-fold the SDA).

There are, however, no adequate and well-controlled studies in pregnant women. Because animal

reproduction studies are not always predictive of human response, ZINGO should be used during pregnancy only if clearly needed.

Nonteratogenic Effects

Lidocaine, containing 1:100,000 epinephrine, at a dose of 6 mg/kg (36 mg/m² or 120-fold the SDA) injected into the masseter muscle of the jaw or into the gum of the lower jaw of Long-Evans hooded pregnant rats on gestation day 11 led to developmental delays in neonatal behavior among offspring. Developmental delays were observed for negative geotaxis, static righting reflex, visual discrimination response, sensitivity and response to thermal and electrical shock stimuli, and water maze acquisition. The developmental delays of the neonatal animals were transient with responses becoming comparable to untreated animals later in life. The clinical relevance of the animal data is uncertain. No adequate and well-controlled studies have been conducted in pregnant women. Because animal studies are not always predictive of human response, ZINGO should be used during pregnancy only if the potential benefit justifies risk to the fetus.

8.2 Labor and Delivery

Lidocaine is not contraindicated in labor and delivery. In humans, the use of lidocaine for labor conduction analgesia has not been associated with an increased incidence of adverse fetal effects either during delivery or during the neonatal period. Should ZINGO be used concomitantly with other products containing lidocaine, total doses contributed by all formulations must be considered.

8.3 Nursing Mothers

Lidocaine is excreted into human milk; therefore, caution should be exercised when ZINGO is administered to a nursing mother. Because no plasma concentrations of lidocaine are detected after topical administration of ZINGO in recommended doses, the small amount of lidocaine that would be ingested orally by a suckling infant is unlikely to cause adverse effects.

8.4 Pediatric Use

Safety and effectiveness in pediatric patients below the age of 3 years have not been established.

8.5 Geriatric Use

Of the 693 patients evaluated in a Phase 3 randomized, double blind, sham-placebo-controlled trial in adults, 17% were of 65 and over. The safety and effectiveness of ZINGO in geriatric patients were similar to that of ZINGO in adults under 65 years of age.

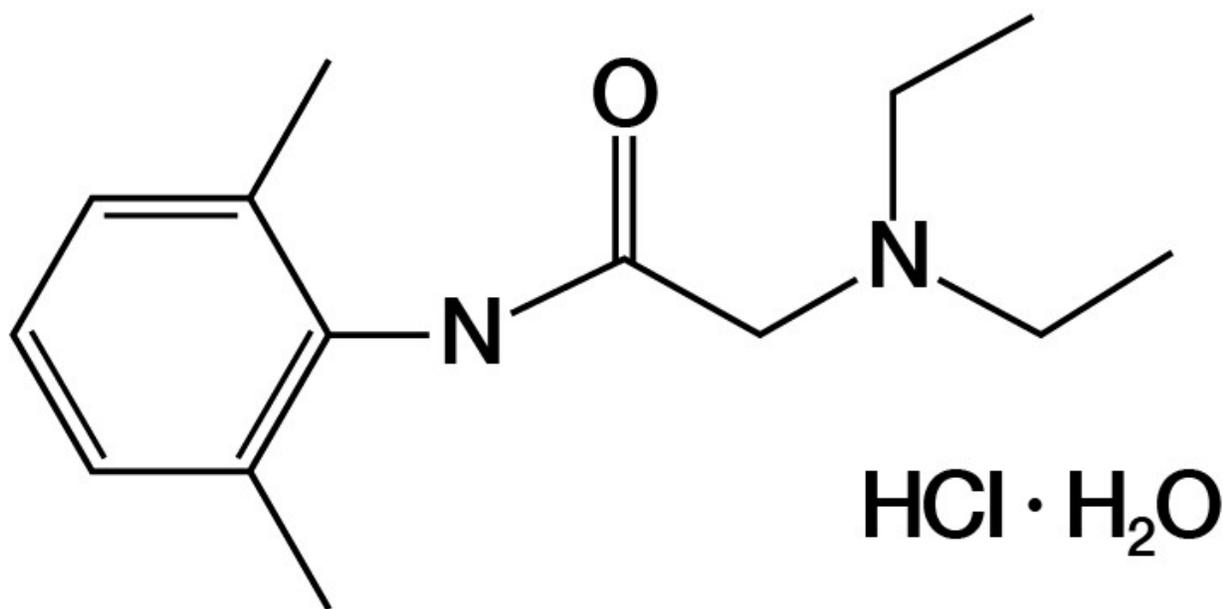
10 OVERDOSAGE

In adults following a single administration of ZINGO the plasma levels of lidocaine were below the limit of detection (5 ng/mL). Signs of central nervous system (CNS) toxicity may start at plasma concentrations of lidocaine as low as 1000 ng/mL, and the risk of seizures generally increases with increasing plasma levels. Very high levels of lidocaine can cause respiratory arrest, coma, decreases in cardiac output, total peripheral resistance, and mean arterial pressure, ventricular arrhythmias, and cardiac arrest. The toxicity of coadministered local anesthetics is thought to be at least additive. In the absence of massive topical overdose or oral ingestion, other etiologies for the clinical effects or overdosage from other sources of lidocaine or other local anesthetics should be considered. The management of overdosage includes close monitoring, supportive care, and symptomatic treatment. Dialysis is of negligible value in the treatment of acute overdosage of lidocaine.

11 DESCRIPTION

ZINGO[®] (lidocaine hydrochloride monohydrate) powder intradermal injection system contains 0.5 mg of sterile lidocaine hydrochloride monohydrate.

The chemical name is 2-diethylamino-2',6'-acetoxylidide, monohydrochloride, monohydrate. The molecular formula is $C_{14}H_{22}N_2O \cdot HCl \cdot H_2O$ with a molecular weight of 288.8 Da. Lidocaine hydrochloride monohydrate, a local anesthetic of the amide class, has the following structural formula:



Lidocaine hydrochloride monohydrate is freely soluble in water, soluble in alcohol and chloroform, insoluble in ether, and melts at around 74–79°C.

ZINGO is a ready-to-use, sterile, single-use, disposable, needle-free delivery system. ZINGO consists of the following components: a drug reservoir cassette filled with 0.5 mg lidocaine hydrochloride monohydrate as a powder with a nominal particle size of 40 μm , a pressurized helium gas cylinder, and a safety interlock. The safety interlock prevents inadvertent actuation of the device. Once ZINGO is pressed against the skin, the interlock is released, allowing the button to be depressed to actuate the device. A sound similar to that of a popping balloon is emitted at the time ZINGO is actuated.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

ZINGO delivers lidocaine hydrochloride monohydrate into the dermis. Lidocaine is an amide-type local anesthetic agent that blocks sodium ion channels required for the initiation and conduction of neuronal impulses, resulting in local anesthesia.

12.2 Pharmacodynamics

ZINGO provides local dermal analgesia within 1–3 minutes of application. Analgesia diminishes within 10 minutes of treatment.

12.3 Pharmacokinetics

Absorption

A single dose of ZINGO in adults did not produce detectable plasma concentrations of lidocaine (limit of quantitation 5 ng/mL) in any subject tested ($n = 38$).

Application of ZINGO to broken or inflamed skin, or multiple ZINGO applications, could result in systemic plasma levels of lidocaine that could produce systemic toxicity.

Distribution

When lidocaine is administered intravenously to healthy volunteers, the steady-state volume of distribution is approximately 0.8 to 1.3 L/kg. At much higher plasma concentrations (1 to 4 mcg/mL of free base) than those found following application of ZINGO, the plasma protein binding of lidocaine is concentration dependent. Lidocaine crosses the placental and blood brain barriers, presumably by passive diffusion. CNS toxicity may typically be observed around 5000 ng/mL of lidocaine; however a small number of patients reportedly may show signs of toxicity at approximately 1000 ng/mL.

Metabolism

It is not known if lidocaine is metabolized in the skin. Lidocaine is metabolized rapidly by the liver to a number of metabolites including monoethylglycinexylidide (MEGX) and glycinexylidide (GX), both of which have pharmacologic activity similar to, but less potent than that of lidocaine. The major metabolic pathway of lidocaine, sequential N-deethylation to monoethylglycinexylidide (MEGX) and glycinexylidide (GX), is primarily mediated by CYP1A2 with a minor role of CYP3A4. The metabolite, 2,6-xylidine, has unknown pharmacologic activity. Following intravenous administration of lidocaine, MEGX and GX concentrations in serum range from 11% to 36% and from 5% to 11% of lidocaine concentrations, respectively. Serum concentrations of MEGX are about one-third the serum lidocaine concentrations.

Elimination

The half-life of lidocaine elimination from the plasma following intravenous administration is approximately 1.8 hours. Lidocaine and its metabolites are excreted by the kidneys. More than 98% of an absorbed dose of lidocaine can be recovered in the urine as metabolites or parent drug. Less than 10% of lidocaine is excreted unchanged in adults, and approximately 20% is excreted unchanged in neonates. The systemic clearance is approximately 8–10 mL/min/kg. During intravenous studies, the elimination half-life of lidocaine was statistically significantly longer in elderly patients (2.5 hours) than in younger patients (1.5 hours).

13 NONCLINICAL TOXICOLOGY

13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

Carcinogenesis

Long-term studies in animals have not been performed to evaluate the carcinogenic potential of lidocaine.

Mutagenesis

No mutagenic potential of lidocaine was demonstrated in the in vitro Ames Bacterial Reverse Mutation Assay, the in vitro chromosome aberration assay using Chinese hamster ovary cells, and the in vivo mouse micronucleus assay.

Impairment of Fertility

ZINGO was not formally evaluated for effects on fertility. Significant systemic exposure to lidocaine is not expected under recommended conditions of use of ZINGO, as lidocaine levels were below the limit of detection in human studies. Lidocaine has been previously tested in animal studies for effects on fertility, however. The following ratios are based on the assumption that the applied dose is completely absorbed through the skin.

Lidocaine did not affect fertility in female rats when given via continuous subcutaneous infusion via osmotic minipumps up to doses of 250 mg/kg/day [1500 mg/m² or 5000-fold higher than the SDA of 0.5 mg lidocaine in a 60 kg individual (0.3 mg/m²)]. Although lidocaine treatment of male rats increased the copulatory interval and led to a dose-related decreased homogenization resistant sperm head count, daily sperm production, and spermatogenic efficiency, the treatment did not affect overall fertility in male rats when given subcutaneous doses up to 60 mg/kg (360 mg/m² or 1200-fold the SDA).

14 CLINICAL STUDIES

Efficacy in Adults

The efficacy of ZINGO in adults was evaluated in a randomized, double-blind, parallel-arm, sham-placebo controlled trial in which adult patients who required a venipuncture or peripheral venous cannulation received either ZINGO or a sham placebo device.

Patients were treated with ZINGO or a placebo device at the antecubital fossa or back of the hand, between one and three minutes prior to venipuncture or peripheral venous cannulation. Measurements of pain were made immediately following the procedure. Efficacy was measured using a continuous 100 mm visual analogue scale ranging from 0 (“no pain”) to 100 (“worst possible pain”).

Many of the patients had chronic medical problems such as depression, hypertension, hypothyroidism, and hyperlipidemia and over one fourth of the population may have been at higher than average risk of dermal bleeding due to use of concomitant medications such as NSAIDs, aspirin, and corticosteroids.

Treatment with active drug resulted in less pain compared with placebo (see Table 1).

Table 1: Visual Analogue Scale Score (Full Safety/Efficacy Population)

	Adult Study	
	Active (N = 345)	Placebo (N = 348)
Adjusted Mean, LSM ¹	11.61	16.23
Difference in LSMs (SE ²)	-4.62 (1.55)	
95% Confidence Limits	-7.67, -1.57	

¹ least squares mean ² standard error

However, efficacy was primarily seen in patients undergoing venipuncture at the antecubital fossa, while patients undergoing cannulation at the back of the hand did not demonstrate a difference between active and sham administrations.

Efficacy in Pediatric Patients

The efficacy of ZINGO in patients 3–18 years of age was evaluated in two randomized, double-blind, parallel-arm, sham-placebo controlled trials in which pediatric patients received either ZINGO or a sham placebo device.

The overall patient population consisted of healthy pediatric patients as well as those with acute and chronic medical conditions (i.e., diabetes, asthma, seizure disorder, juvenile rheumatoid arthritis and renal or hepatic transplantation) ages 3–18 years. All patients required peripheral venipuncture or intravenous cannulation as part of their clinical care.

Two efficacy trials (Studies 1 and 2) were conducted during which patients were treated with ZINGO or a placebo device at the back of hand or antecubital fossa, between one and three minutes prior to venipuncture or peripheral venous cannulation. Measurements of pain were made immediately following the venous procedure. Efficacy was measured using a modified version of the Wong-Baker FACES pain rating scale [a categorical 6-point scale containing 6 faces ranging from 0 (“no hurt”) to 5 (“hurts worst”)].

In both studies, treatment with active drug resulted in less pain, from venipuncture or peripheral IV cannulation, compared with placebo (See Table 2).

Table 2: Modified FACES Scale Score (ITT Population), Studies 1 and 2

	Study 1		Study 2	
	Active (N = 292)	Placebo (N = 287)	Active (N = 269)	Placebo (N = 266)
Adjusted Mean, LSM ¹	1.77	2.10	1.38	1.77
Difference in LSMs (SE ²)	-0.33 (0.13)		-0.39 (0.13)	
95% Confidence Limits	-0.58, -0.08		-0.65, -0.13	

¹ least squares mean ² standard error

16 HOW SUPPLIED/STORAGE AND HANDLING

NDC 70645-123 ZINGO[®] (lidocaine hydrochloride monohydrate) powder intradermal injection system contains 0.5 mg of sterile lidocaine hydrochloride monohydrate. ZINGO[®] is a single-dose device packaged in an individual clear pouch. Twelve pouched devices are placed in labeled cartons.

Cartons are stored at 20° to 25°C (68° to 77°F); excursions permitted between 15° to 30°C (59° to 86°F) [See USP Controlled Room Temperature].

17 PATIENT COUNSELING INFORMATION

Inform patients that use of local anesthetics may cause methemoglobinemia, a serious condition that must be treated promptly. Advise patients or caregivers to seek immediate medical attention if they or someone in their care experience the following signs or symptoms: pale, gray, or blue colored skin (cyanosis); headache; rapid heart rate; shortness of breath; lightheadedness; or fatigue.

Patients should be made aware that a sound similar to that of a popping balloon is emitted at the time ZINGO is actuated.

Patients should be informed that skin reactions including erythema, petechiae, pruritus and edema may occur.

Manufactured by:

Powder Pharmaceuticals, Inc.

Hong Kong, China

500113 Rev 02

ZINGO[®] is a trademark of Powder Pharmaceuticals, Incorporated.

Distributed by:

7T Pharma LLC

Las Vegas, NV 89123, USA

REF: 70645-123

Under license by 7T Pharma LLC

OUTER PACKAGING and PRINCIPAL DISPLAY PANEL

Device Label

NDC 70645-123-26

ZINGO[®]

(lidocaine hydrochloride monohydrate)
powder intradermal injection system 0.5 mg
contains 1 sterile unit
Rx Only



GTIN 00370645123267

SN XXXXXXXXXXXXXXXXXXXX

EXP YYYYMMDD

LOT XXXXX

NDC 70645-123-26

See package insert for full prescribing information. For use on intact skin. ZINGO® should be applied by a health care practitioner.

ZINGO®

(lidocaine hydrochloride monohydrate)
powder intradermal injection system

0.5 mg



Rx Only.

Manufactured by:
Powder Pharmaceuticals, Inc.
Hong Kong, China

Distributed and Under Licence by:
7T Pharma LLC
Las Vegas, NV 89123, USA

This is a single use product. Do not use if pouch is torn or damaged or if the product has been dropped. Do not use if the sterility of the purple outlet has been compromised. Store at 20° to 25°C ; excursions permitted between 15° to 30°C.

500111

Rev 03

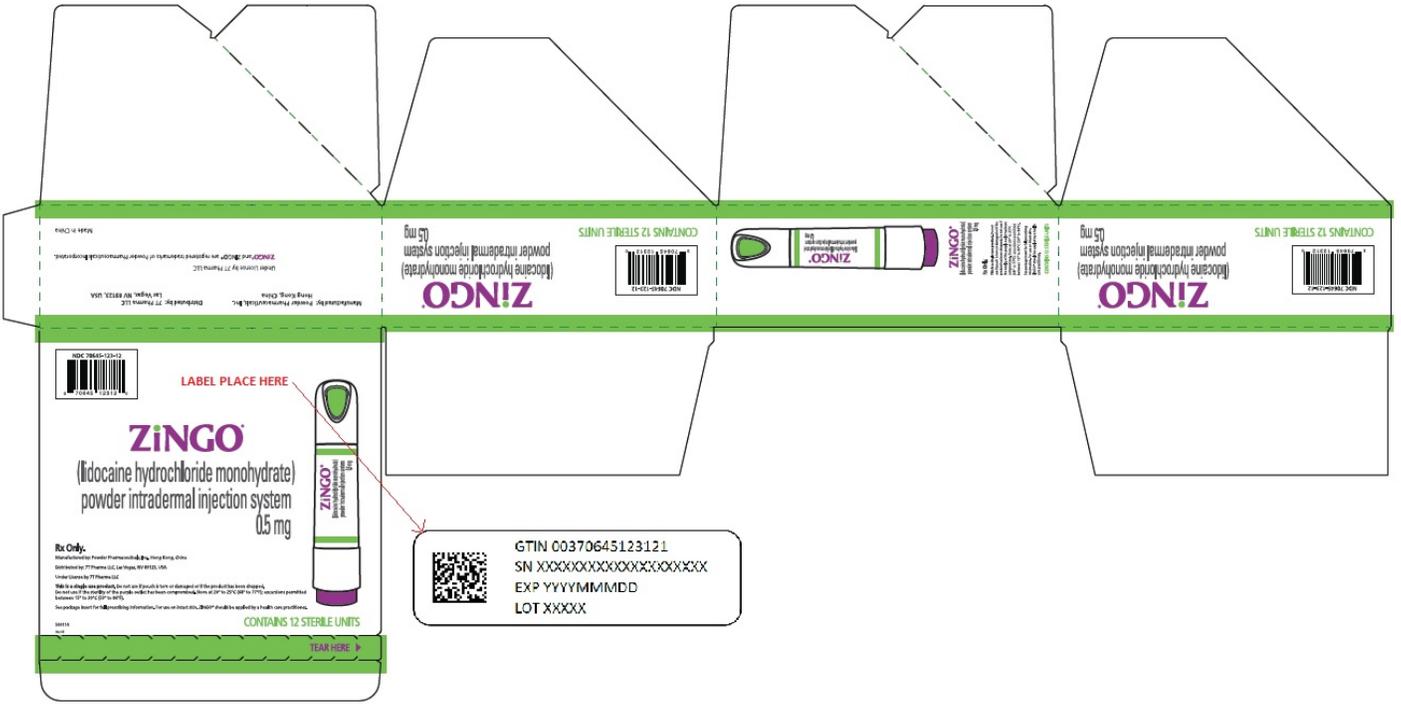
ZINGO®

(lidocaine hydrochloride monohydrate)

powder intradermal injection system 0.5 mg

contains 12 sterile units

Rx Only



Manufactured by: PPT Pharma LLC, 148 Vauxhall Way, Chula Vista, CA 92015, USA
Distributed by: PPT Pharma LLC, 148 Vauxhall Way, Chula Vista, CA 92015, USA
Made in China

CONTAINS 12 STERILE UNITS
ZINGO
(lidocaine hydrochloride monohydrate) powder intradermal injection system 0.5 mg



CONTAINS 12 STERILE UNITS
ZINGO
(lidocaine hydrochloride monohydrate) powder intradermal injection system 0.5 mg



LABEL PLACE HERE

ZINGO
(lidocaine hydrochloride monohydrate) powder intradermal injection system 0.5 mg



Rx Only.
Manufactured by PPT Pharma LLC, 148 Vauxhall Way, Chula Vista, CA 92015, USA
Distributed by PPT Pharma LLC, 148 Vauxhall Way, Chula Vista, CA 92015, USA
Under license to PPT Pharma LLC
Keep in original packaging. Do not use beyond expiry or damaged. If the product has been opened, do not use. Do not use if the seal is broken or if the product has been tampered with.
See package insert for full prescribing information. For use in adult patients only. For use in children, see package insert.
NADA 141-375 (s.c.a.)

GTIN C0370645123121
SN XXXXXXXXXXXXXXXXXXXX
EXP YYYMMDD
LOT XXXXX



CONTAINS 12 STERILE UNITS

TEAR HERE

ZINGO

lidocaine hydrochloride monohydrate powder

Product Information

Product Type	HUMAN PRESCRIPTION DRUG	Item Code (Source)	NDC:70645-123
Route of Administration	INTRADERMAL		

Active Ingredient/Active Moiety

Ingredient Name	Basis of Strength	Strength
LIDOCAINE HYDROCHLORIDE (UNII: V13007Z41A) (LIDOCAINE - UNII:98PI200987)	LIDOCAINE	0.5 mg

Packaging

#	Item Code	Package Description	Marketing Start Date	Marketing End Date
1	NDC:70645-123-26	12 in 1 POUCH; Type 0: Not a Combination Product	11/20/2018	
2	NDC:70645-123-48	48 in 1 BOX	11/20/2018	
2	NDC:70645-123-12	12 in 1 CARTON; Type 0: Not a Combination Product		

Marketing Information

Marketing Category	Application Number or Monograph Citation	Marketing Start Date	Marketing End Date
NDA	NDA022114	11/20/2018	

Labeler - 7T Pharma LLC (080220022)

Establishment

Name	Address	ID/FEI	Business Operations
Powder Pharmaceutical Incorporated		663257151	manufacture(70645-123)

Revised: 11/2018

7T Pharma LLC