

Leuprolide Acetate Injection R_c only

DESCRIPTION:
Leuprolide acetate is a synthetic nonapeptide analog of naturally occurring gonadotropin releasing hormone (GnRH or LH-RH). The analog possesses greater potency than the natural hormone. The chemical name is 5-oxo-L-prolyI-L-histidyI-L-tryptophyI-L-seryI-L-tyrosyI-D-leucyI-L-leucyI-L-arginyI-N-ethyI-L-prolinamide acetate (salt) with the following structural formula:

Leuprolide acetate injection is a sterile, aqueous solution intended for subcutaneous injection. It is available in a 2.8 mL multiple-dose vial containing leuprolide acetate (5 mg/mL), sodium chloride, USP (6.3 mg/mL) for tonicity adjustment, benzylachoh, MF as a preservative (9 mg/mL), and water for injection, USP. The pH may have been adjusted with sodium hydroxide, NF and/or acete acid, NF. The pH trange is 4.0 to 6.0.

CLINICAL PHARIMACOLLOGY:
Leuprolide acetate, and LH-RH agonist, acts as a potent inhibitor of gonadotropin secretion when given continuously and inherapeut cobese. Animal and human studies indicate that one of the company of the compan

tract obstruction should be closely observed during the first few weeks of therapy (see WaRNINGS and PRECAUTIONS sections). Patients with known allergies to benzyl alcohol, an ingredient of the drug's vehicle, may present symptoms of hypersensitivity, usually local, in the form of erythema and induration at the injection site.

Hyperglycemia and an increased risk of developing diabetes have been reported in men receiving GnRH agonists. Hyperglycemia may represent development of diabetes melitus or worsening of glycemic control in patients with diabetes. Monitor blood glucose and/or glycosylated hemoglobin (HbA1c) periodically in patients receiving a GnRH agonist and manage with current practice for treatment of hyperglycemia or diabetes. Increased risk of developing myocardial infarction, sudden cardiac death and stroke has been reported in association with use of GnRH agonists in men. The risk appears low based on the reported odds ratios, and should be evaluated carefully along with cardiovascular risk factors when determining a treatment for patients with prostate cancer. Patients receiving a GnRH agonist should be monitored for symptoms and signs suggestive of development of cardiovascular disease and be managed according to current clinical practice.

Information for Patients:

See INFORMATION FOR PATIENTS which appears after the REFERENCE section.

Laboratory Tests:

Response to leuprolide acetate should be monitored by measuring serum levels of testosterone and prostate-specific antigen (PSA). In the majority of patients, testosterone levels increased above baseline during the first week, declining thereatter to baseline levels or below by the end of the second week of treatment. Castrate levels were reached within two to four weeks and once attained were maintained for as long as drug administration continued.

Drug/Laboratory Test Interactions:

See CLINICAL PHARMACOLOGY: Pharmacokinetics section. Drug/Laboratory Test Interactions:

See CLINICAL PHARMACOLOGY: Pharmacokinetics section. Drug/Laboratory T

the reversibility of fertility suppression.

Pregnancy:

Teratogenic Effects:

Pregnancy Category X:

(See CONTRAINDICATIONS and WARNINGS sections.) When administered on day 6 of pregnancy at test dosages of 0.00024, 0.0024, and 0.024 mg/kg (1/600 to 1/6 the human dose) to rabbits, leuprolide acetate produced a dose-related increase in major fetal abnormalities. Similar studies in rats failed to demonstrate an increase in major fetal malformations throughout gestation. There was increased fetal mortality and decreased fetal weights with the two higher doses of leuprolide acetate in rabbits and with the highest dose in rats. The effects on fetal mortality are expected consequences of the alterations in hormonal levels brought about by this drug.

Nursing Mothers:

It is not known whether leuprolide acetate is excreted in human milk. Leuprolide acetate should not be used by nursing mothers. mothers.

Pediatric Use
See labeling For Pediatric Use Leuprolide Acetate Injection
for the safety and effectiveness in children with central precocious puberty. See labeling For Pediatric Use Leuprolide Acetate Injection for the safety and effectiveness in children with central precocious puberty.

Geriatric Use:

In the clinical trials for leuprolide acetate injection, the majority (69%) of subjects studied were at least 65 years of age. Therefore, the labeling reflects the pharmacokinetics, efficacy, and safety of leuprolide acetate in this population.

ADVERSE REACTIONS:

Clinical Trials:

In the majority of patients testosterone levels increased above baseline during the first week, declining thereafter to baseline levels or below by the end of the second week of treatment. This transient increase was occasionally associated with a temporary worsening of signs and symptoms, usually manifested by an increase in bone pain (see WARNINGS section). In a few cases a temporary worsening of existing hematuria and urinary tract obstruction occurred during the first week. Temporary weakness and paresthesia of the lower limbs have been reported in a few cases. Potential exacerbations of signs and symptoms during the first few weeks of treatment is a concern in patients with vertebral metastases and/or urinary obstruction which, if aggravated, may lead to neurological problems or increase the obstruction. In a comparative trial of leuprolide acetate injection versus DES, in 5% or more of the patients receiving either drug, the following adverse reactions were reported to have a possible or probable relationship to drug as ascribed by the treating physician. Often, causality is difficult to assesses in patients with metastatic prostate cancer. Reactions considered not drug related are excluded.

Leuprolide Acetate (N=98) Number of Reports Cardiovascular System Congestive heart failure ECG changes/ischemia 19 High blood pressure Murmur 8 Peripheral edema Phlebitis/thrombosis 10 Gastrointestinal System Anorexia Constipation

Nausea/vomiting	5	17
Endocrine System	•	
Decreased testicular size*	7	11
Gynecomastia/breast tenderness or pain*	7	63
Hot flashes*	55	12
Impotence*	4	12
Hemic and Lymphatic System	•	
Anemia	5	5
Musculoskeletal System	•	
Bone pain	5	2
Myalgia	3	9
Central/Peripheral Nervous System	m	
Dizziness/lightheadedness	5	7
General pain	13	13
Headache	7	4
Insomnia/sleep disorders	7	5
Respiratory System	•	
Dyspnea	2	8
Sinus congestion	5	6
Integumentary System	•	
Dermatitis	5	8
Urogenital System	•	
Frequency/urgency	6	8
Hematuria	6	4
Urinary tract infection	3	7
Miscellaneous	•	-
Asthenia	10	10
 Physiologic effect of decreased te 	stosterone	-
In this same study, the following reported in less than 5% of the patie <i>Cardiovascular System</i> –Angina Myocardial infarction, Pulmonary er	j adverse reac nts on leuproli , Cardiac ari	de acetate

bleeding, Gastrumiceanum, Gooden polyps;
Endocrine System-Libido decrease, Thyroid enlargement;
Musculoskeletal System-Joint pain;
Central/Peripheral Nervous System-Anxiety, Blurred vision,
Lethargy, Memory disorder, Mood swings, Nervousness,
Numbness, Paresthesia, Peripheral neuropathy, Syncope/black-

Gastrointestinal System-Diarrhea, Dysphagia, Gastrointestinal bleeding, Gastrointestinal disturbance, Peptic ulcer, Rectal

outs, Taste disorders;

Respiratory System-Cough, Pleural rub, Pneumonia, Pulmonary fibrosis;

Integumentary System-Carcinoma of skin/ear, Dry skin, Ecchymosis, Hair loss, Itching, Local skin reactions, Pigmentation, Skin lesions;

Urogenital System-Bladder spasms, Dysuria, Incontinence, Testicular pain, Urinary obstruction;

Miscellaneous-Depression, Diabetes, Fatigue, Fever/chills, Hypoglycemia, Increased BUN, Increased calcium, Increased creatining. Infection/inflammation, Onthtalmologic disorders.

ne, Infection/inflammation, Ophthalmologic disorders, creatinine, infection/infamination, upinalinitogic disorders, Swelling (temporal bone). In an additional clinical trial and from long-term observation of both studies, the following additional adverse events (exclud-ing those considered not drug related) were reported for patients receiving leuprolide acetate. Cardiovascular System—Bradycardia, Carotid bruit, Extrasystole, Palpitations, Perivascular cuffing (eyes), Ruptured ortic aneurysm, Stroke, Tachycardia, Transient ischemic attack; Gastrointestinal System—Flatus, Dryness of mouth and throat, Hepattiis, Hepatomegaly, Occult blood (rectal exam), Rectal fistula/erythema; Endocrine System—Libido increase, Thyroid nodule;

Page 1

Musculoskeletal System—Ankylosing spondylosis, Arthritis, Blurred disc margins, Bone fracture, Muscle stiffness, Muscle tenderness, Pelvic fibrosis, Spasms/cramps;
Gentral/Peripheral Mervous System—Auditory hallucinations/finnitus Decreased haring, Decreased per felixes, Euphoria, Hyperreflexia, Loss of smell, Motor deficiency;
Respiratory System—Boll (public), Bruises, Filves, Keratosis, Meles, Henophysis, Pleuritic chest pain, Pulmonary infiltrate, Rales/rhonchi, Rhinitis, Strep throat, Wheezing/bronchitis;
Integumentary System—Boll (public), Bruises, Filves, Keratosis, Mole, Stingles, System—Bisters on penis, Inguinal harnia, Penile swelling, Post void residual, Prostatic pain, Pyuria;
Miscellaneous—Abdominal distention, Facial swelling/edema, Feet burning, Flu, Eyelid growth, Hypoproteinemia, Accidental injury, Knee distusion, Mass, Pallid, Sallow, Weakness.
Postmarketing:
During postmarketing surveillance, which includes other dosage forms and other patient populations, the following adverse events were reported. Symptoms consistent with an anaphylactoid or asthmatic process have been rarely (incience rate of about 0.002%) reported. Rash, urticaria, and photosensitivity reactions have also been reported. Localized actions, including induration and abscess, have been reported at the site of injection. Symptoms consistent with Bromyalia (e.g., joint and muscle pain, headaches, sheep disreros, gastrointestinal distress, and shortness of breath) have been reported individually and collectively.
Cardiovascular System—Hepatic dysfunction;
Hemic and Lymphatic System—Cornusion, Myocardial infarction;
Endocrine System—Hepatic dysfunction;
Hemic and Lymphatic System—Cornusion, Spinal fracture in men with have effects on bone density.

Decreased bone density has been reported in the medical lirearture in men who have had orchiectorny or who have been treated with an LH-RH agonist analog, in a clinical trial. 25 men with prostate cancer, 12 of ham provided actate to the adording the provided actated orchied actated or

GnRH analogue. Obstet Gynecol 1991 Nov; 78: 943–946.

INFORMATION FOR PATIENTS:
Be sure to consult your physician with any questions you may have or for information about leuprolide acetate injection and its use.

What is leuprolide acetate?

Leuprolide acetate injection is chemically similar to gonadotropin releasing hormone (GnRH or LH-RH) a hormone which occurs naturally in your body. Normally, your body releases small amounts of LH-RH and this leads to events which stimulate the production of sex hormones. However, when you inject leuprolide acetate injection, the normal events that lead to sex hormone production are interrupted and testosterone is no longer produced by the testes. Leuprolide acetate must be injected because, like insulin which is injected by diabetics, leuprolide acetate is inactive when taken by mouth. If you were to discontinue the drug for any reason, your body would begin making testosterone again.

Directions for Using Leuprolide Acetate

1. Wash hands thoroughly with soap and water.

2. If using a new bottle for the first time, flip off the plastic cover to expose the grey rubber stopper. Wipe metal ring and rubber stopper with an alcohol winge each time you use leuprolide acetate. Check the liquid in the container. If it is not clear or has particles in it, DO NOT USE IT. Exchange it at your pharmacy for another container.

3. Remove outer wrapping from one syringe. Pull plunger back until the tip of the plunger is at the 0.2 mL or 20-unit mark.

4. Take cover off needle. Push the needle through the center of the rubber stopper on the leuprolide acetate bottle.

5. Push the plunger all the way in to inject air into the bottle.

6. Keep the needle in the bottle and turn the bottle upside down. Check to make sure the tip of the needle is in the liquid. Slowly pull back on the plunger.

8. Keeping the needle in the bottle and turn the down the plunger life to the 0.2 mL or 20-unit mark.

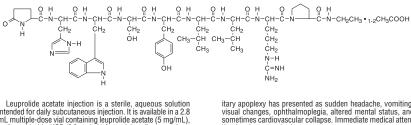
7. Toward the end of a two-week period, the amount of leuprolide acetate left in the bottle will be

2

Reference ID: 3018760

Leuprolide Acetate Injection For Pediatric Use R_c only

DESCRIPTION:
Leuprolide acetate is a synthetic nonapeptide analog of naturally occurring gonadotropin releasing hormone (GnRH or LH-RH). The analog possesses greater potency than the natural hormone. The chemical name is 5- oxo -L-prolyl-L-histidyl-L-tryptophyl-L-seryl-L-tyrosyl-D-leucyl-L-leucyl-Larginyl-N-ethyl-L-prolinamide acetate (salt) with the following structural formula:



Leuprolide acetate injection is a sterile, aqueous solution intended for daily subcutaneous injection. It is available in a 2.8 mL multiple-dose vial containing leuprolide acetate (5 mg/mL), sodium chloride, USP (6.3 mg/mL) for tonicity adjustment, benzyl alcohol, NF as a preservative (9 mg/mL), and water for injection, USP. The pH may have been adjusted with sodium hydroxide, NF and/or acetic acid, NF. The pH range is 4.0 to 6.0.

CLINICAL PHARMACOLOGY:

Leuprolide acetate, a GnRH agonist, acts as a potent inhibitor of gonadotropin secretion when given continuously and in therapeutic doses. Animal and human studies indicate that following an initial stimulation of gonadotropins, chronic administration of leuprolide acetate results in suppression of ovarian and testicular steroidogenesis. This effect is reversible upon discontinuation of drug therapy.

Leuprolide acetate is not active when given orally.

Pharmacokinetics:

A pharmacokinetic study of leuprolide acetate in children has not been performed.

Absorption:

In adults, bioavailability by subcutaneous administration is comparable to that by intravenous administration.

Distribution:

The mean steady-state volume of distribution of leuprolide following intravenous bolus administration to healthy adult male volunteers was 27 L. In vitro binding to human plasma proteins ranged from 43% to 49%.

Metabolism:

In healthy adult male volunteers, a 1 mg bolus of leuprolide administered intravenously revealed that the mean systemic clearance was 7.6 L/h, with a terminal elimination half-life of approximately 3 hours based on a two compartment model.

In rats and dogs, administration of 14C-labeled leuprolide was shown to be metabolized to smaller inactive peptides, a pentapeptide (Metabolite I), tripeptides (Metabolites II and III) and a dipeptide (Metabolite I), tripeptides (Metabolites II and III) and a dipeptide (Metabolite II).

The major metabolice (Metabolite IV). These fragments may be further catabolized.

The pharmacokinetics of the drug in hepatically a

bertal state.
3. Menses. Menses, if present, will cease.
IMDICATIONS AND USAGE:
Leuprolide acetate injection is indicated in the treatment of children with central precocious puberty. Children should be selected using the following criteria:
1. Clinical diagnosis of CPP (diopathic or neurogenic) with onset of secondary sexual characteristics earlier than 8 years in females and 9 years in males.
2. Clinical diagnosis should be confirmed prior to initiation of therapy:

• Confirmation of diagnosis by a pubertal response to a CAPIM etimologists.

Dinical diagnosis should be confirmed prior to initiation of herapy:

Confirmation of diagnosis by a pubertal response to a GnRH stimulation test. The sensitivity and methodology of this assay must be understood.

Bone age advanced 1 year beyond the chronological age. Baseline evaluation should also include:
Height and weight measurements.
Sex steroid levels.
Adrenal steroid level to exclude congenital adrenal hyperplasia.
Beta human chorionic gonadotropin level to rule out a chorionic gonadotropin secreting tumor.
Pelvic/adrenal/testicular ultrasound to rule out a steroid secreting tumor.
Computerized tomography of the head to rule out intracranial tumor.

Number of Patients N = 421 (Percent) Body as a Whole General Pain Headache (9)

* Most events were mild or moderate in severity.

In those same studies, the following adverse reactions were reported in less than 2% of the patients.

**Body as a Whole-Aggravation of preexisting tumor and decreased vision, Allergic Reaction, Body Odor, Fever, Flu Syndrome, Hypertrophy, Infection;

**Cardiovascular System-Paradycardia, Hypertension, Peripheral Vascular Disorder, Syncope;

**Digestive System-Constitution, Dyspepsia, Dysphagia, Gingivitis, Increased Appetite, Nausea/Vomiting;

Endocrine System-Accelerated Sexual Maturity, Feminization, Goiler:

CONTRAINDIATIONS:

1. Hypersensitivity to GnRH. GnRH agonist analogs or any of the excipients in leuprolide acetate injection. Reports of anaphylacitic reactions to GnRH agonist analogs have been reported in the medical literature. 1.2

2. Leuprolide acetate is contraindicated in women who are or may become pregnant while receiving the drug. Leuprolide acetate may cause fetal harm when administered to a pregnant woman. Major fetal abnornalities were observed in rabbits but not in rats after administration of leuprolide acetate throughout gestation. There was increased fetal mortality and decreased fetal weights in rats and rabbits. (See PRECAUTIONS: Pregnancy: Teratogenic Effects ecction.) The effects on fetal mortality are expected consequences of the alterations in hormonal levels brought about by this drug. Therefore, the possibility exists that spontaneous abortion may occur if the drug is administered during pregnancy or if the patient becomes pregnant while taking any formulation of leuprolide acetate, the patient should be apprised of the potential hazard to the fetus.

WARNINGS:

During the early phase of therapy, gonadotropins and sex steroids rise above baseline because of the natural stimulatory effect of the drug. Therefore, an increase in clinical signs and symptoms may be observed (see CLINICAL PHARMACOLOGY section).

Noncompliance with drug regimen or inadequate dosing may result in inadequate control of the pubertal process. The consequences of poor control include the return of pubertal signs such as menses, breast development, and testicular signs such as menses, breast development, and testicular signs such as menses, breast development, and testicular signs such as menses, breast development, and restriction, the parent or guardian must be aware of the importance of continuous therapy. Adherence to daily drug administration schedus must be accepted if therapy is to be successful. Irregular dosing could restart the maturation process.

Patients with known allergies to benzyl alcohol, an inter

Pregnancy:

Teratogenic Effects:

Pregnancy Category X:

(see CONTRAINDICATIONS section)

When administered on day 6 of pregnancy at test dosages of 0.00024, 0.0024, and 0.024 mg/kg (1/1200 to 1/12 the human pediatric dose) to rabbits, leuprolide acetate produced a dose-related increase in major fetal abnormalities. Similar studies in rats failed to demonstrate an increase in fetal malformations. There was increased fetal mortality and decreased fetal weights with the two higher doses of leuprolide acetate in rabbits and with the highest dose in rats.

Nursing Mothers:

It is not known whether leuprolide acetate is excreted in human milk. Leuprolide acetate should not be used by nursing mothers.

Geriatric Use:

See labeling for leuprolide acetate injection for the pharmacokinetics, efficacy and safety of leuprolide acetate in this population.

ADVERSE REACTIONS:

Clinical Trials:

Potential exacerbation of signs and symptoms during the first few weeks of treatment (see PRECAUTIONS section) is a concern in patients with rapidly advancing central precocious puberty.

In two studies of children with central precocious puberty, in 2% or more of the patients receiving the drug, the following adverse reactions were reported to have a possible or probable relationship to drug as ascribed by the treating physician. Reactions considered not drug related are excluded.

Injection Site Reactions Including Abscess* Cardiovascular System Vasodilation 9 Integumentary System (Skin and Appendages

13

Gingivitis, Increased Appetite, Nausea/Vomiting; Endocrine System-Accelerated Sexual Maturity, Feminization, Golter; Hemic and Lymphatic System-Purpura; Metabolic and Nutritional Disorders—Growth Retarded, Peripheral Edema, Weight Gain; Musculoskeletal System-Arthralgia, Joint Disorder, Myalgia, Myopathy; Mervous System-Depression, Hyperkinesia, Nervousness, Somnolence; Respiratory System-Asthma, Epistaxis, Pharyngitis, Rhinitis, Sinusitis; Integumentary System (Skin and Appendages)-Alopecia, Hair Disorder, Hirutism, Leukoderma, Nail Disorder, Skin Hypertrophy; Urogenital System-Cervix Disorder/Neoplasm, Dysmenorrhea, Gynecomastia/Breast Disorders, Menstrual Disorder, Urinary Incontinence. Laboratory: The following laboratory events were reported as adverse reactions, antinuclear antibody present and increased sedimentation rate. Postmarketting:

During postmarketting surveillance, which includes other dosage forms and other patient populations, the following adverse events were reported. Symptoms consistent with an anaphylactoid or asthmatic process have been rarely (incidence rate of about 0.002%) reported. Localized reactions including induration and abscess have been reported at the site of injection. Symptoms consistent with fibromyalgia (e.g., joint and muscle pain, headaches, sleep disorders, gastrointestinal distress, and shortness of breath) have been reported individually and collectively. Cardiovascular System-Heipatic dysfunction; Hemic and Lymphatic System-Hepatic dysfunction; Hemic and Lymphatic System-Peripheral Neurous System-Peripheral neuropathy, Convulsion, Spinal fracture/paralysis, Hearing disorder; Miscellaneous-Hard nodule in throat, Weight gain, Increased uric acid; Musculoskeletal System-Tenosynovitis-like symptoms; Respiratory System-Respiratory disorders:

Miscellaneous—Hard nodule in throat, Weight gain, Increased uric acid; Musculoskeletal System—Tenosynovitis-like symptoms; Respiratory System—Respiratory disorders; Urogenital System—Prostate pain.

Changes in Bone Density:

Decreased bone density has been reported in the medical literature in men who have had orchiectomy or who have been treated with an LH-RH agonist analog. In a clinical trial, 25 men with prostate cancer, 12 of whom had been treated previously with leuprolide acetate for at least six months. underwent bone density studies as a result of pain. The leuprolide-treated group had lower bone density scores than the nontreated control group. The effects on bone density in children are unknown.

Pituitary Apoplexy:
During post-marketing surveillance, rare cases of pituitary apoplexy (a clinical syndrome secondary to infarction of the piturary gland) have been reported after the administration of gonadotropin-releasing hormone agonists. In a majority of these cases, a pituitary adenoma was diagnosed, with a majority of pituitary apoplexy cases occurring within 2 weeks of the first dose, and some within the first hour. In these cases, pitu-

itary apoplexy has presented as sudden headache, vomiting, visual changes, ophthalmoplegia, altered mental status, and sometimes cardiovascular collapse. Immediate medical attention has been required.

See other leuprolide acetate injection and leuprolide acetate depot package inserts for adverse events reported in other patient populations.

OVERDOSAGE:

In rats, subcutaneous administration of 125 to 250 times the recommended human pediatric dose, expressed on a per body weight basis, resulted in dyspnea, decreased activity, and local irritation at the injection site. There is no evidence at present that there is a clinical counterpart of this phenomenon. In early clinical trials using leuprolide acetate in adult patients, doses as high as 20 mg/day for up to two years caused no adverse effects differing from those observed with the 1 mg/day dose.

DOSAGE AND ADMINISTRATION:

Leuprolide acetate injection can be administered by a patient/parent or health care professional.

The dose of leuprolide acetate injection must be individualized for each child. The dose is based on a mg/kg ratio of drug to body weight. Younger children require higher doses on a mg/kg ratio.

After 1-2 months of initiating therapy or changing doses, the child must be monitored with a GnRH stimulation test, sex steroids, and Tanner staging to confirm downregulation. Measurements of bone age for advancement should be monitored every 6-12 months. The dose should be titrated upward until no progression of the condition is noted either clinically and/or by laboratory parameters.

The first dose found to result in adequate downregulation can probably be maintained for the duration of therapy in most children. However, there are insufficient data to guide dosage adjustment as patients move into higher weight categories after beginning therapy at very young ages and low dosages. It is recommended that adequate downregulation be verified in such patients whose weight has increased significantly while on therapy.

As with other drugs administered

Leuprolide Acetate for Injection Administering the Injection: Read this booklet before injecting the medication. Read the complete instructions for injection.

Provided as an educational service by Sandoz Inc., Princeton, NJ 08540 ADMINISTERING THE INJECTION



Remove outer wrapping from one syringe.

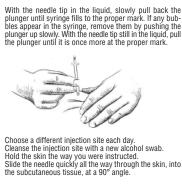
a new bottle, hip on the plastic cover to expose the grey rubber stopper. Use an alcohol swab to cleanse the metal ring and rubber stopper on medication bottle every day, just before you use it.



Uncover needle. Do not touch the needle



Keep the needle in the bottle. Lift the bottle and turn it straight upside down. Check to see that the needle tip is in the liquid.



Push the plunger to inject the medication. Withdraw the needle at the same angle it was inserted (90°). Wipe the skin with an alcohol swab.

Dispose of the syringe and alcohol swabs as you were instructed. Remember: use the disposable syringe only



Acne/Seborrhea
Rash Including Erythema (3) (3) Multiforme Nervous System Emotional Lability 19 (5) Urogenital System Vaginitis/Vaginal Bleeding/ Vaginal Discharge Most events were mild or moderate in severity

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Reference ID: 3018760

Leuprolide Acetate for Injection

Administering the Injection:

Read this booklet before injecting the medication. Read the complete instructions for injection.



Provided as an educational service by Sandoz Inc., Princeton, NJ 08540

ADMINISTERING THE INJECTION



1. Wash hands thoroughly.



 Check the liquid in the container. It should look clear. DO NOT USE if it is not clear or if it has particles in it. If using a new bottle, flip off the plastic cover to expose the grey rubber stopper. Use an alcohol swab to cleanse the metal ring and rubber stopper on medication bottle every day, just before you use it.



3. Remove outer wrapping from one syringe.



4. Pull the syringe plunger back until its tip is at the proper mark.



5. Uncover needle. Do not touch the needle.



 Place the bottle on a clean, flat surface and push the needle through the center of the rubber stopper on the bottle. Push the plunger all the way in to inject air into the bottle.



Keep the needle in the bottle. Lift the bottle and turn it straight upside down. Check to see that the needle tip is in the liquid.



8. With the needle tip in the liquid, slowly pull back the plunger until syringe fills to the proper mark. If any bubbles appear in the syringe, remove them by pushing the plunger up slowly. With the needle tip still in the liquid, pull the plunger until it is once more at the proper mark.



9. Choose a different injection site each day.

Cleanse the injection site with a new alcohol swab.

Hold the skin the way you were instructed.

Slide the needle quickly all the way through the skin, into the subcutaneous tissue, at a 90° angle.



10. Push the plunger to inject the medication.

Withdraw the needle at the same angle it was inserted (90°).

Wipe the skin with an alcohol swab.



 Dispose of the syringe and alcohol swabs as you were instructed. Remember: use the disposable syringe only once.

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Manufactured by Ben Venue Laboratories, Inc., Bedford, OH 44146 Manufactured for Sandoz Inc., Princeton, NJ 08540 and Oakwood Laboratories, L.L.C. Oakwood Village, OH 44146

. (See Reverse)