



CAUSES BIRTH DEFECTS



ACCUTANE® (isotretinoin capsules)

DO NOT GET PREGNANT

Rx only

CONTRAINDICATIONS AND WARNINGS

Accutane must not be used by female patients who are or may become pregnant. There is an extremely high risk of severe birth defects... Do not use Accutane if you are pregnant or planning to get pregnant...

Birth defects which have been documented following Accutane exposure include abnormalities of the face, eyes, ears, skull, central nervous system, cardiovascular system, and thymus and parathyroid glands...

Documented external abnormalities include: skull abnormality; ear abnormalities (including anopia, micropinna, small or absent external auditory canals); eye abnormalities (including microphthalmia); facial dysmorphism; cleft palate...

Because of Accutane's teratogenicity and to minimize fetal exposure, Accutane is approved for marketing only under a special restricted distribution program approved by the Food and Drug Administration...

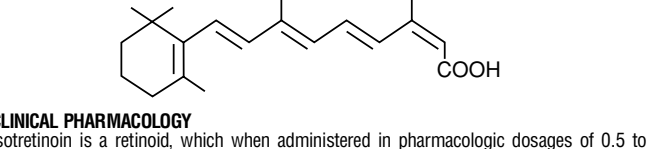
Special Prescribing Requirements

Because of Accutane's teratogenicity and to minimize fetal exposure, Accutane is approved for marketing only under a special restricted distribution program approved by the Food and Drug Administration...

Table 1 Monthly Required iPLEDGE Interactions. Table with 3 columns: Prescriber, Female Patients of Childbearing Potential, Male Patients, and Female Patients Not of Childbearing Potential. Rows include counseling, pregnancy testing, and pharmacist calls.

DESCRIPTION

Isotretinoin, a retinoid, is available as Accutane in 10-mg, 20-mg and 40-mg soft gelatin capsules for oral administration. Each capsule contains 200 mg of isotretinoin...



CLINICAL PHARMACOLOGY

Isotretinoin is a retinoid, which when administered in pharmacologic dosages of 0.5 to 1.0 mg/kg/day (see DOSAGE AND ADMINISTRATION), inhibits sebaceous gland function and keratinization...

Nodular Acne

Clinical improvement in nodular acne patients occurs in association with a reduction in sebaceous secretion. The decrease in sebaceous secretion is temporary and is related to the dose and duration of treatment with Accutane...

Pharmacokinetics

Absorption: Due to its high lipophilicity, oral absorption of isotretinoin is enhanced when given with a high-fat meal. In a crossover study, 74 healthy adult subjects received a single 80 mg oral dose...

Table 2 Pharmacokinetic Parameters of Isotretinoin Mean (%CV), N=74. Table with 6 columns: Parameter, Fasted, Fed, Fasted, Fed, Fasted, Fed. Rows include AUC, Cmax, Tmax, and t1/2.

Distribution

Isotretinoin is more than 99.9% bound to plasma proteins, primarily albumin.

Metabolism

Following oral administration of isotretinoin, at least three metabolites have been identified in human plasma: 4-oxo-isotretinoin, retinoic acid (tretinoin), and 4-oxo-retinoic acid (4-oxo-tretinoin)...

Elimination: Following oral administration of an 80 mg dose of 14C-isotretinoin as a liquid suspension, 14C-activity in blood declined with a half-life of 90 hours. The metabolites of isotretinoin and any conjugates are ultimately excreted in the feces and urine...

Special Patient Populations

Pediatric Patients: The pharmacokinetics of isotretinoin were evaluated after single and multiple doses in 38 pediatric patients (12 to 15 years) and 19 adult patients (≥18 years) who received Accutane for the treatment of severe recalcitrant nodular acne...

Table 3 Pharmacokinetic Parameters of Isotretinoin Following Single and Multiple Dose Administration in Pediatric Patients, 12 to 15 Years of Age

Table with 3 columns: Parameter, Isotretinoin (Single Dose), Isotretinoin (Steady-State). Rows include Cmax, AUC, Cmin, Tmax, C50%, T1/2, and CL/F.

INDICATIONS AND USAGE: Severe Recalcitrant Nodular Acne. Accutane is indicated for the treatment of severe recalcitrant nodular acne. Nodules are inflammatory lesions with a diameter of 5 mm or greater...

CONTRAINDICATIONS: Pregnancy: Category X. See Boxed CONTRAINDICATIONS AND WARNINGS. Allergic Reactions: Accutane is contraindicated in patients who are hypersensitive to this medication or to any of its components...

WARNINGS: Psychiatric Disorders: Accutane may cause depression, psychosis and, rarely, suicidal ideation, suicide attempts, suicide, and aggressive and violent behaviors...

Pseudotumor Cerebi: Accutane use has been associated with a number of cases of pseudotumor cerebri (benign intracranial hypertension), some of which involved a concomitant use of tetracyclines...

Acne: Accutane is indicated for the treatment of severe recalcitrant nodular acne. Nodules are inflammatory lesions with a diameter of 5 mm or greater. The nodules may become suppurative or hemorrhagic...

Lipids: Elevations of serum triglycerides in excess of 800 mg/dL have been reported in patients treated with Accutane. Marked elevations of serum triglycerides were reported in approximately 25% of patients receiving Accutane in clinical trials...

Cardiovascular: The cardiovascular consequences of hypertriglyceridemia associated with Accutane are unknown. In rats given 8 or 32 mg/kg/day of isotretinoin (1.3 to 5.3 times the recommended clinical dose of 1.0 mg/kg/day) after normalization for total body surface area...

Pharmacokinetics: A crossover study of 74 healthy adult subjects received a single 80 mg oral dose of isotretinoin with and without a high-fat meal. The observed elimination half-life was unchanged...

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Hearing Impairment: Impaired hearing has been reported in patients taking Accutane; in some cases, the hearing impairment has been reported to persist after therapy has been discontinued...

Hepatotoxicity: Clinical hepatic toxicity considered to be possibly or probably related to Accutane therapy has been reported. Acutely, mild to moderate elevations of liver enzymes have been observed in approximately 15% of individuals treated during clinical trials...

Inflammatory Bowel Disease: Accutane has been associated with inflammatory bowel disease (including regional ileitis) in patients without a prior history of intestinal disorders...

Skeletal Bone Mineral Density: Effects of multiple courses of Accutane on the developing musculoskeletal system are unknown. There is some evidence that long-term, high-dose, or multiple courses of therapy with isotretinoin have more of an effect than a single course of therapy...

Hypertostosis: A high prevalence of skeletal hypertostosis was noted in clinical trials for disorders of keratinization with a mean dose of 2.24 mg/kg/day. Additionally, skeletal hypertostosis was noted in 6 of 8 patients in a prospective study of disorders of keratinization...

Premature Epiphyseal Closure: There are spontaneous reports of premature epiphyseal closure in acne patients receiving recommended doses of Accutane. The effect of multiple courses of Accutane on epiphyseal closure is unknown.

Corneal Opacities: Corneal opacities have occurred in patients receiving Accutane for acne and more frequently when higher drug dosages were used in patients with disorders of keratinization. The corneal opacities that have been observed in clinical trial patients treated with Accutane have either completely resolved or were resolving at follow-up to 6 to 7 weeks after discontinuation of the drug...

Decreased Night Vision: Decreased night vision has been reported during Accutane therapy and in some instances has occurred several months after therapy was discontinued. Because the onset in some patients was sudden, patients should be advised of this potential problem and warned to be cautious when driving or operating any vehicle at night.

Wholesalers: For the purpose of the iPLEDGE program, the term wholesaler refers to wholesaler, distributor, and/or chain pharmacy distributor. To distribute Accutane, wholesalers must be registered with iPLEDGE, and agree to meet all iPLEDGE requirements for wholesale distribution of isotretinoin products...

Prescribers: To prescribe isotretinoin, the prescriber must be registered and activated with the pregnancy risk management program iPLEDGE. Prescribers can register by signing and returning the completed registration form...

Patients: Patients must be informed that they must not share Accutane with anyone else because of the risk of birth defects. Patients must be instructed to read the iPLEDGE program educational materials...

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only activate the pharmacy registration by affirming that they meet requirements and will comply with all iPLEDGE requirements by testing to the following points:

- I know the risk and severity of fetal injury/birth defects from isotretinoin.
I will train all pharmacists, who participate in the filling and dispensing of isotretinoin prescriptions, on the iPLEDGE program requirements.
I will comply and seek to ensure all pharmacists who participate in the filling and dispensing of isotretinoin prescriptions comply with the iPLEDGE program requirements...

Accutane must only be dispensed:
in no more than a 30-day supply
with an Accutane Medication Guide
after authorization from the iPLEDGE program
prior to the "do not dispense to patient after" date provided by the iPLEDGE system...

The iPLEDGE Program Guide to Best Practices for Isotretinoin includes: isotretinoin teratogenic potential, information on pregnancy testing, and the method to complete a qualification test.

The iPLEDGE Program Prescriber Contraception Counseling Guide includes: specific information about effective contraception, the limitations of contraceptive methods, behaviors associated with an increased risk of contraceptive failure and pregnancy and the methods to evaluate pregnancy risk.

The iPLEDGE Program Guide to Isotretinoin for Male Patients and Female Patients Who Cannot Get Pregnant, also includes information about male reproduction and a warning not to share isotretinoin with others or to donate blood during isotretinoin therapy and for 1 month following discontinuation of isotretinoin.

The iPLEDGE Program Guide to Isotretinoin for Female Patients Who Can Get Pregnant, includes a referral program that offers female patients free contraception counseling, reimbursed by the manufacturer, by a reproductive specialist; and a second Patient Information/Informed Consent About Birth Defects (for female patients who can get pregnant) form concerning birth defects associated with isotretinoin prescription.

The iPLEDGE Program Birth Control Workbook includes information on the types of contraceptive methods, the selection and use of appropriate, effective contraception, the rates of possible contraceptive failure and a toll-free contraception counseling line.

In addition, there is a patient educational DVD with the following videos — "Be Prepared to Be Aware: The Risk of Pregnancy While on Isotretinoin" (see Information for Patients).

General: Although an effect of Accutane on bone loss is not established, physicians should use caution when prescribing Accutane to patients with a genetic predisposition for age-related osteoporosis, a history of childhood osteoporosis conditions, osteomalacia, or other disorders of bone metabolism...

Patients may be at increased risk when participating in sports with repetitive impact where the risks of spondylolysis with and without pars fractures and hip growth plate injuries in early and late adolescence are known. There are spontaneous reports of fractures of the pelvis and forearm in patients who were taking Accutane...

Information for Patients: See PRECAUTIONS and Boxed CONTRAINDICATIONS AND WARNINGS. Patients must be instructed to read the Medication Guide supplied as required by law when Accutane is dispensed...

Female patients of childbearing potential must be instructed that they must not be pregnant when Accutane therapy is initiated, and that they should use 2 forms of effective contraception simultaneously for 1 month before starting Accutane, while taking Accutane, and for 1 month after Accutane has been discontinued...

Accutane is found in the semen of male patients taking Accutane, but the amount delivered to a female partner would be about 1 million times lower than an oral dose of 40 mg. While the effective limit for isotretinoin-induced embryopathy is unknown, 20 years of postmarketing reports include 4 with isolated defects compatible with features of retinoid exposed fetuses; however 2 of these reports were incomplete, and 2 had other possible explanations for the defects observed.

Prescribers should be alert to the warning signs of psychiatric disorders to guide patients to receive the help they need. Therefore, prior to initiation of Accutane treatment, patients and their caregivers should be assessed for a history of psychiatric disorder, and at each visit during treatment patients should be assessed for symptoms of depression, mood disturbance, psychosis, or aggression to determine if further evaluation may be necessary.

Signs and symptoms of depression include sad mood, hopelessness, feelings of guilt, worthlessness or helplessness, loss of pleasure or interest in usual activities, sleeping too much or too little, changes in weight or appetite, school or work performance going down, or trouble concentrating. Some patients taking Accutane had thoughts about hurting themselves or putting an end to their own lives (suicidal thoughts).

Patients should be informed that they must not share Accutane with anyone else because of the risk of birth defects. Patients must be instructed to read the iPLEDGE program educational materials...

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INFORMATION FOR PHARMACISTS

Access the iPLEDGE system via the internet (www.ipledeprogram.com) or telephone (1-866-495-0654) to obtain an authorization and the "do not dispense to patient after" date. Accutane must only be dispensed in no more than a 30-day supply.

REFILLS REQUIRE A NEW PRESCRIPTION AND A NEW AUTHORIZATION FROM THE iPLEDGE SYSTEM. An Accutane Medication Guide must be given to the patient each time Accutane is dispensed, as required by law. This Accutane Medication Guide is an important part of the risk management program for the patient.

HOW SUPPLIED

Soft gelatin capsules, 10 mg (light pink), imprinted ACCUTANE 10 ROCHE. Boxes of 100 containing 10 Prescription Packs of 10 capsules (NDC 0004-0155-49). Soft gelatin capsules, 20 mg (maroon), imprinted ACCUTANE 20 ROCHE. Boxes of 100 containing 10 Prescription Packs of 10 capsules (NDC 0004-0169-49). Soft gelatin capsules, 40 mg (yellow), imprinted ACCUTANE 40 ROCHE. Boxes of 100 containing 10 Prescription Packs of 10 capsules (NDC 0004-0156-49).

Storage

Store at controlled room temperature (59° to 86°F; 15° to 30°C). Protect from light.

REFERENCES

- 1. Beck CL, Jensen TG, Yoder FW, et al. Prolonged remissions of cystic and conglobate acne with 13-cis-retinoic acid. N Engl J Med 300:329-333, 1979. 2. Pochi PE, Shalita AR, Strauss JS, Webster SB, et al. The consensus conference on acne classification. J Am Acad Dermatol 24:495-500, 1991. 3. Farrell LN, Strauss JS, Stranieri AM. The treatment of severe cystic acne with 13-cis-retinoic acid: evaluation of sebum production and clinical response in a multiple-dose trial. J Am Acad Dermatol 3:602-611, 1980. 4. Jones H, Blanc D, Cunniff WJ, 13-cis-retinoic acid and acne. Lancet 2:1048-1049, 1980. 5. Katz RA, Jorgensen H, Nigra TP. Evaluation of serum triglyceride levels from oral isotretinoin in disorders of keratinization. Arch Dermatol 116:1369-1372, 1980. 6. Ellis CK, Madison KC, Penness DR, Martel W, Voorhees JJ. Isotretinoin therapy is associated with significant radiographic cholelithiasis. J Am Acad Dermatol 10:1024-1029, 1984. 7. Dicklen GH, Connolly SM. Eruptive xanthomas associated with isotretinoin (13-cis-retinoic acid). Arch Dermatol 116:951-952, 1980. 8. Strauss JS, Rapini RP, Shalita AR, et al. Isotretinoin therapy for acne: results of a multicenter dose-response study. J Am Acad Dermatol 10:490-496, 1984.

Patient Information/Informed Consent About Birth Defects (for female patients who can get pregnant)

To be completed by the patient (and her parent or guardian* if patient is under age 18) and signed by her doctor.

Read each item below and initial in the space provided to show that you understand each item and agree to follow your doctor's instructions. Do not sign this consent and do not take isotretinoin if there is anything that you do not understand.

*A parent or guardian of a minor patient (under age 18) must also read and initial each item before signing the consent.

(Patient's Name)

1. I understand that there is a very high chance that my unborn baby could have severe birth defects if I am pregnant and become pregnant while taking isotretinoin. This can happen with any amount and even if taken for short periods of time. This is why I must not be pregnant while taking isotretinoin.

2. I understand that I must not get pregnant 1 month before, during the entire time of my treatment, and for 1 month after the end of my treatment with isotretinoin.

3. I understand that I must avoid sexual intercourse completely, or I must use 2 separate, effective forms of birth control (contraception) at the same time. The only exceptions are if I have had surgery to remove the uterus (a hysterectomy) or both of my ovaries (bilateral oophorectomy), or my doctor has medically confirmed that I am post-menopausal.

4. I understand that hormonal birth control products are among the most effective forms of birth control. Combination birth control pills and other hormonal products include skin patches, shots, under-the-skin implants, vaginal rings, and intrauterine devices (IUDs). Any form of birth control can fail. That is why I must use 2 different birth control methods at the same time, starting 1 month before, during, and for 1 month after stopping therapy every time I have sexual intercourse, even if 1 of the methods I choose is hormonal birth control.

5. I understand that the following are effective forms of birth control: Primary forms: • using my tubes (tubal sterilization) • vasectomy • intrauterine device • hormonal (combination birth control pills, skin patches, shots, under-the-skin implants, or vaginal ring)

Secondary forms (always used with spermicide): • male latex condom • diaphragm • cervical cap

Others: • vaginal sponge (contains spermicide)

A diaphragm, condom, and cervical cap must each be used with spermicide, a special cream that kills sperm

I understand that at least 1 of my 2 forms of birth control must be a primary method.

6. I will talk with my doctor about any medicines including herbal products I plan to take during my isotretinoin treatment because hormonal birth control methods may not work if I am taking certain medicines or herbal products.

7. I may receive a free birth control counseling session from a doctor or other family planning expert. My isotretinoin doctor can give me an isotretinoin Patient Referral Form for this free consultation.

8. I must begin using the birth control methods I have chosen as described above at least 1 month before I start taking isotretinoin.

9. I cannot get my first prescription for isotretinoin unless my doctor has told me that I have 2 negative pregnancy test results. The first pregnancy test should be done when my doctor decides to prescribe isotretinoin. The second pregnancy test must be done in a lab during the first 5 days of my menstrual period right before starting isotretinoin therapy treatment, or as instructed by my doctor. I will then have 1 pregnancy test in a lab.

I must start taking isotretinoin until I am sure that I am not pregnant, have negative results from 2 pregnancy tests, and the second test has been done in a lab.

10. I have read and understand the materials my doctor has given to me, including The iPLEDGE Program Guide for Isotretinoin for Female Patients Who Can Get Pregnant, The iPLEDGE Birth Control Workbook and The iPLEDGE Program Patient Introductory Brochure.

My doctor gave me and asked me to watch the DVD containing a video about birth control and a video about birth defects and isotretinoin.

I was told about a private counseling line that I may call for more information about birth control. I have received information on emergency birth control.

11. I must stop taking isotretinoin right away and call my doctor if I get pregnant, miss my expected menstrual period, stop using birth control, or have sexual intercourse without using my 2 birth control methods at any time.

12. My doctor gave me information about the purpose and importance of providing information to the iPLEDGE program should I become pregnant while taking isotretinoin within 1 month of the last dose. If I become pregnant, I agree to be contacted by the iPLEDGE program and be asked questions about my pregnancy. I also understand that if I become pregnant, information about my pregnancy, my health, and my baby's health may be given to the maker of isotretinoin and government health regulatory authorities.

13. I understand that being qualified to receive isotretinoin in the iPLEDGE program means that I:

• have had 2 negative urine or blood pregnancy tests before receiving the first isotretinoin prescription. The second test must be done in a lab. I must have a negative result from a urine or blood pregnancy test done in a lab repeated each month before I receive another isotretinoin prescription.

• have chosen and agreed to use 2 forms of effective birth control at the same time. At least 1 method must be a primary form of birth control, unless I have chosen never to have sexual contact with a male (abstinence), or I have undergone a hysterectomy. I must use 2 forms of birth control for at least 1 month before I start isotretinoin therapy, during therapy, and for 1 month after stopping therapy. I must receive counseling, repeated on a monthly basis, about birth control and behaviors associated with an increased risk of pregnancy.

• have signed a Patient Information/Informed Consent About Birth Defects (for female patients who can get pregnant) that contains warnings about the chance of possible birth defects if I am pregnant or become pregnant and my unborn baby is exposed to isotretinoin.

• have been informed of and understand the purpose and importance of providing information to the iPLEDGE program should I become pregnant while taking isotretinoin or within 1 month of the last dose. I agree to be contacted by the iPLEDGE program and be asked questions about my pregnancy.

• have interacted with the iPLEDGE program before starting isotretinoin and on a monthly basis to answer questions on the program requirements and to enter my two chosen forms of birth control.

My doctor has answered all my questions about isotretinoin and I understand that it is my responsibility not to get pregnant 1 month before, during isotretinoin treatment, or for 1 month after I stop taking isotretinoin.

I now authorize my doctor _____ to begin my treatment with isotretinoin.

Patient Signature: _____ Date: _____ Parent/Guardian Signature (if under age 18): _____ Date: _____

Please print: Patient Name and Address _____ Telephone _____

I have fully explained to the patient, _____, the nature and purpose of the treatment described above and the risks to female patients of childbearing potential. I have asked the patient if she has any questions regarding her treatment with isotretinoin and have answered those questions to the best of my ability.

Doctor Signature: _____ Date: _____

PLACE THE ORIGINAL SIGNED DOCUMENTS IN THE PATIENT'S MEDICAL RECORD. PLEASE PROVIDE A COPY TO THE PATIENT.

Patient Information/Informed Consent (for all patients):

To be completed by patient (and parent or guardian if patient is under age 18) and signed by the doctor.

Read each item below and initial in the space provided if you understand each item and agree to follow your doctor's instructions. A parent or guardian of a patient under age 18 must also read and understand each item before signing the agreement.

Do not sign this agreement and do not take isotretinoin if there is anything that you do not understand about all the information you have received about using isotretinoin.

1. I understand that isotretinoin is a medicine used to treat severe nodular acne that cannot be cleared up by any other acne treatments, including antibiotics. In severe nodular acne, many red, swollen, tender lumps form in the skin. If untreated, severe nodular acne can lead to permanent scars.

2. My doctor has told me about my choices for treating my acne.

3. I understand that there are serious side effects that may happen while I am taking isotretinoin. These have been explained to me. These side effects include serious birth defects in babies of pregnant patients. (Note: There is a second Patient Information/Informed Consent About Birth Defects (for female patients who can get pregnant).)

4. I understand that some patients, while taking isotretinoin or soon after stopping isotretinoin, have become depressed or developed other serious mental problems. Symptoms of depression include sad, anxious or empty mood, irritability, acting out, loss of energy, loss of interest in social or sports activities, sleeping too much or too little, changes in weight or appetite, school or work performance going down, or trouble concentrating. Some patients taking isotretinoin have had thoughts about hurting themselves or putting an end to their own lives (suicidal thoughts). Some people tried to end their own lives. And some people have ended their own lives. There were reports that some of these people did not appear depressed. There have been reports of patients on isotretinoin becoming aggressive or violent. No one knows if isotretinoin causes these behaviors or if they would have happened even if the person did not take isotretinoin. Some people have had other signs of depression while taking isotretinoin (see #7 below).

5. Before I start taking isotretinoin, I agree to tell my doctor if I have ever had symptoms of depression (see #7 below), been psychotic, attempted suicide, had any other mental problems, or take medicine for any of these problems. Being psychotic means having a loss of contact with reality, such as hearing voices or seeing things that are not there.

6. Before I start taking isotretinoin, I agree to tell my doctor if, to the best of my knowledge, anyone in my family has ever had symptoms of depression, been psychotic, attempted suicide, or had any other serious mental problems.

7. Once I start taking isotretinoin, I agree to stop using isotretinoin and tell my doctor right away if any of the following signs and symptoms of depression or psychosis happen: I.

- Start to feel sad or have crying spells
- Lose interest in activities I once enjoyed
- Sleep too much or have trouble sleeping
- Become more irritable, angry, or aggressive than usual (for example, temper outbursts, thoughts of violence)
- Have a change in my appetite or body weight
- Have trouble concentrating
- Withdraw from my friends or family
- Feel like I have no energy
- Have feelings of worthlessness or guilt
- Start having thoughts about hurting myself or taking my own life (suicidal thoughts)
- Start acting on dangerous impulses
- Start seeing or hearing things that are not real

Initials: _____

8. I agree to return to see my doctor every month I take isotretinoin to get a new prescription for isotretinoin, to check my progress, and to check for signs of side effects.

9. Isotretinoin will be prescribed just for me—I will not share isotretinoin with other people because it may cause serious side effects, including birth defects.

10. I will not give blood while taking isotretinoin or for 1 month after I stop taking isotretinoin. I understand that if someone who is pregnant gets my donated blood, her baby may be exposed to isotretinoin and may be born with serious birth defects.

Initials: _____

11. I have read The iPLEDGE Program Patient Introductory Brochure, and other materials my provider gave me containing important safety information about isotretinoin. I understand all the information I received.

12. My doctor and I have decided I should take isotretinoin. I understand that I must be qualified in the iPLEDGE program to have my prescription filled at my doctor. I understand that I can stop taking isotretinoin at any time. I agree to tell my doctor if I stop taking isotretinoin.

Initials: _____

I now allow my doctor _____ to begin my treatment with isotretinoin.

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Patient Signature: _____ Date: _____ Parent/Guardian Signature (if under age 18): _____ Date: _____

Patient Name (print) _____ Telephone (_____) _____ Patient Address _____

I have:

- fully explained to the patient, _____, the nature and purpose of isotretinoin treatment, including its benefits and risks
- given the patient the appropriate educational materials, The iPLEDGE Program Patient Introductory Brochure and asked the patient if he/she has any questions regarding his/her treatment with isotretinoin
- answered those questions to the best of my ability

Doctor Signature: _____ Date: _____ PLACE THE ORIGINAL SIGNED DOCUMENTS IN THE PATIENT'S MEDICAL RECORD. PLEASE PROVIDE A COPY TO THE PATIENT.

MEDICATION GUIDE

ACCUATANE (ACK-U-TANE) (isotretinoin capsules)

Read the Medication Guide that comes with Accutane before you start taking it and each time you get a prescription. There may be new information. This information does not take the place of talking with your doctor about your medical condition or your treatment.

What is the most important information I should know about Accutane?

- Accutane is used to treat a type of severe acne (nodular acne) that has not been helped by other treatments, including antibiotics.
- Because Accutane can cause birth defects, Accutane is only for patients who can understand and agree to carry out all of the instructions in the iPLEDGE program.
- Accutane may cause serious mental health problems.

1. Birth defects (deformed babies), loss of a baby before birth (miscarriage), death of the mother and the unborn child. Female patients who are pregnant or who plan to become pregnant must not take Accutane. Female patients must not get pregnant.

- for 1 month before starting Accutane
- while taking Accutane
- for 1 month after stopping Accutane

If you get pregnant while taking Accutane, stop taking it right away and call your doctor. Doctors and patients should report all cases of pregnancy to:

- FDA MedWatch at 1-800-FDA-1088, and
- the iPLEDGE pregnancy registry at 1-866-495-0654

2. Serious mental health problems. Accutane may cause:

- depression
- psychosis (seeing or hearing things that are not real)
- suicide. Some patients taking Accutane have had thoughts about hurting themselves or putting an end to their own lives (suicidal thoughts). Some people tried to end their own lives. And some people have ended their own lives.

Stop Accutane and call your doctor right away if you or a family member notices that you or another person has the following signs and symptoms of depression or psychosis:

- start to feel sad or have crying spells
- lose interest in activities you once enjoyed
- sleep too much or have trouble sleeping
- become more irritable, angry, or aggressive than usual (for example, temper outbursts, thoughts of violence)
- have a change in your appetite or body weight
- have trouble concentrating
- withdraw from your friends or family
- feel like you have no energy
- have feelings of worthlessness or guilt
- start having thoughts about hurting yourself or taking your own life (suicidal thoughts)
- start acting on dangerous impulses
- start seeing or hearing things that are not real

After stopping Accutane, you may also need follow-up mental health care if you had any of these symptoms.

What is Accutane?

Accutane is a medicine taken by mouth to treat the most severe form of acne (nodular acne) that cannot be cleared up by any other acne treatments, including antibiotics. Accutane can cause serious side effects (see "What is the most important information I should know about Accutane?"). Accutane is only for patients who are registered in the iPLEDGE program.

• dispensed by a pharmacy that is registered with the iPLEDGE program

• given to patients who are registered in the iPLEDGE program and agree to do everything required in the program

What is severe nodular acne?

Severe nodular acne is when many red, swollen, tender lumps form in the skin. These can be the size of pencil erasers or larger. If untreated, nodular acne can lead to permanent scars.

Who should not take Accutane?

- Do not take Accutane if you are pregnant, plan to become pregnant, or become pregnant during Accutane treatment. Accutane causes severe birth defects. See "What is the most important information I should know about Accutane?"
- Do not take Accutane if you are allergic to anything in it. Accutane contains parabens as the preservative. See the end of this Medication Guide for a complete list of ingredients in Accutane.

What should I tell my doctor before taking Accutane?

- mental problems
- asthma
- liver disease
- diabetes
- heart disease
- bone loss (osteoporosis) or weak bones
- an eating problem called anorexia nervosa (where people eat too little)
- food or medicine allergies

Tell your doctor if you are pregnant or breastfeeding. Accutane must not be used by women who are pregnant or breastfeeding.

Tell your doctor about all of the medicines you take including prescription and non-prescription medicines, vitamins and herbal supplements. Accutane and certain other medicines can interact with each other, sometimes causing serious side effects. Especially tell your doctor if you take:

- Vitamin A supplements. Vitamin A in high doses has many of the same side effects as Accutane. Taking both together may increase your chance of getting side effects.
- Tetracycline antibiotics. Tetracycline antibiotics taken with Accutane can increase the chances of getting increased pressure in the brain.
- Progestin-only birth control pills (mini-pills). They may not work while you take Accutane. Ask your doctor or pharmacist if you are not sure what type you are using.
- Dilantin (phenytoin). This medicine taken with Accutane may weaken your bones.
- Corticosteroid medicines. These medicines taken with Accutane may weaken your bones.

St. John's Wort. This herbal supplement may make birth control pills work less effectively.

These medicines should not be used with Accutane unless your doctor tells you it is okay. Know the medicines you take. Keep a list of them to show to your doctor and pharmacist. Do not take any new medicine without talking with your doctor.

How should I take Accutane?

You must take Accutane exactly as prescribed. You must also follow all the instructions of the iPLEDGE program. Before prescribing Accutane, your doctor will:

- explain the iPLEDGE program to you
- have you sign the Patient Information/Informed Consent (for all patients). Female patients who can get pregnant must also sign another consent form.

You will not be prescribed Accutane if you cannot agree to or follow all the instructions of the iPLEDGE program.

You will get no more than a 30-day supply of Accutane at a time. This is to make sure you are following the Accutane iPLEDGE program. You should talk with your doctor each month about side effects.

The amount of Accutane you take has been specially chosen for you. It is based on your body weight, and may change during treatment.

Take Accutane 2 times a day with a meal, unless your doctor tells you otherwise. Swallow your Accutane capsules whole with a full glass of liquid. Do not chew or suck on the capsule. Accutane can hurt the tube that connects your mouth to your stomach (esophagus) if it is not swallowed whole.

If you miss a dose, just skip that dose. Do not take 2 doses at the same time.

If you take too much Accutane or overdose, call your doctor or poison control center right away.

Your acne may get worse when you first start taking Accutane. This should last only a short while. Talk with your doctor if this is a problem for you.

You must return to your doctor as directed to make sure you don't have signs of serious side effects. Your doctor may do blood tests to check for serious side effects from Accutane. Female patients who can get pregnant will get a pregnancy test each month.

Female patients who can get pregnant must agree to use 2 separate forms of effective birth control at the same time 1 month before, while taking, and for 1 month after taking Accutane. You must use the iPLEDGE system to answer questions about the program requirements and to enter your 2 chosen forms of birth control. To access the iPLEDGE system, go to www.ipledeprogram.com or call 1-866-495-0654.

You must talk about effective birth control methods with your doctor or go for a free visit to talk about birth control with another doctor or family planning expert. Your doctor can arrange this free visit, which will be paid for by the company that makes Accutane.

If you have sex at any time without using 2 forms of effective birth control, get pregnant, or miss your expected period, stop using Accutane and call your doctor right away.

What should I avoid while taking Accutane?

Do not get pregnant while taking Accutane and for 1 month after stopping Accutane. See "What is the most important information I should know about Accutane?"

Do not breast feed while taking Accutane and for 1 month after stopping Accutane. We do not know if Accutane can pass through your milk and harm the baby.

Do not give blood while you take Accutane and for 1 month after stopping Accutane. If someone who is pregnant gets your donated blood, her baby may be exposed to Accutane and may be born with birth defects.

Do not take other medicines or herbal products with Accutane unless you talk to your doctor. See "What should I tell my doctor before taking Accutane?"

Do not drive at night until you know if Accutane has affected your vision. Accutane may decrease your ability to see in the dark.

Do not have cosmetic procedures to smooth your skin, including waxing, dermabrasion, or laser procedures, while you are using Accutane and for at least 6 months after you stop. Accutane can increase your chance of scarring from these procedures. Check with your doctor for advice about when you can have cosmetic procedures.

Avoid sunbathing and ultraviolet lights as much as possible. Tanning machines use ultraviolet lights. Accutane may make your skin more sensitive to light.

Do not share Accutane with other people. It can cause birth defects and other serious health problems.

What are the possible side effects of Accutane?

Accutane can cause birth defects (deformed babies), loss of a baby before birth (miscarriage), death of the baby, and early (premature) births. See "What is the most important information I should know about Accutane?"

Accutane may cause serious mental health problems. See "What is the most important information I should know about Accutane?"

serious brain problems. Accutane can increase the pressure in your brain. This can lead to permanent loss of eyesight and, in rare cases, death. Stop taking Accutane and call your doctor right away if you get any of these signs of increased brain pressure:

- bad headache
- blurred vision
- dizziness
- nausea/vomiting
- seizures (convulsions)
- stroke

stomach area (abdomen) problems. Certain symptoms may mean that your internal organs are being damaged. These organs include the liver, pancreas, bowel (intestines), and esophagus (connection between mouth and stomach). If your organs are damaged, they may not get better even after you stop taking Accutane. Stop taking Accutane and call your doctor if you get:

- severe stomach, chest or bowel pain
- trouble swallowing or painful swallowing
- new or worsening heartburn
- diarrhea
- rectal bleeding
- yellowing of your skin or eyes
- dark urine

bone and muscle problems. Accutane may affect bones, muscles, and ligaments and cause pain in your joints or muscles. Tell your doctor if you plan hard physical activity during treatment with Accutane. Tell your doctor if you get:

- back pain
- joint pain
- broken bone. Tell all healthcare providers that you take Accutane if you break a bone.

Stop Accutane and call your doctor right away if you have muscle weakness. Muscle weakness with or without pain can be a sign of serious muscle damage.

Accutane may stop long bone growth in teenagers who are still growing.

hearing problems. Stop using Accutane and call your doctor if your hearing gets worse or if you have ringing in your ears. Your hearing loss may be permanent.

vision problems. Accutane may affect your ability to see in the dark. This condition usually clears up after you stop taking Accutane, but it may be permanent. Other serious eye effects can occur. Stop taking Accutane and call your doctor right away if you have any problems with your vision or dryness of the eyes that is painful or constant. If you wear contact lenses, you may have trouble wearing them while taking Accutane and after.

lipid (fat) and cholesterol in blood problems. Accutane can raise the level of fats and cholesterol in your blood. This can be a serious problem. Return to your doctor for blood tests to check your lipids and to get any needed treatment. These problems usually go away when Accutane treatment is finished.

serious allergic reactions. Stop taking Accutane and get emergency care right away if you develop hives; a swollen face or mouth, or have trouble breathing. Stop taking Accutane and call your doctor if you get a fever, rash, or red patches or bruises on your legs.

blood sugar problems. Accutane may cause blood sugar problems including diabetes. Tell your doctor if you are very thirsty or urinate a lot.

decreased red and white blood cells. Call your doctor if you have trouble breathing, faint, or feel weak.

The common, less serious side effects of Accutane are dry skin, chapped lips, dry eyes, and dry nose that may lead to nosebleeds. Call your doctor if you get any side effect that bothers you or that does not go away.

These are not all of the possible side effects with Accutane. Your doctor or pharmacist can give you more detailed information.

How should I store Accutane?

Store Accutane at room temperature, between 59° and 86°F. Protect from light.

Keep Accutane and all medicines out of the reach of children.

General Information about Accutane

Medicines are prescribed for conditions that are not mentioned in Medication Guides. Do not use Accutane for a condition for which it was not prescribed. Do not give Accutane to other people, even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most important information about Accutane. If you would like more information, talk with your doctor. You can ask your doctor or pharmacist for information about Accutane that is written for health care professionals. You can also ask iPLEDGE program at 1-866-495-0654 or visit www.ipledeprogram.com.

What are the ingredients in Accutane?

Active Ingredient: Isotretinoin