

Know the medicines you take, keep a list of them to show your doctor and pharmacist each time you get a new medicine.

How should I take MINOCIN capsules?

- Take MINOCIN capsules exactly as your doctor tells you to take them.** Skipping doses or not taking all your MINOCIN may:
 - Decrease the effectiveness of the treatment
 - Increase the chance that bacteria will develop resistance to MINOCIN
- Take MINOCIN with a full glass of liquid.** Taking MINOCIN with enough liquid may lower your chance of getting irritation or ulcers in your esophagus. Your esophagus is the tube that connects your mouth to your stomach.
- MINOCIN** capsules may be taken with or without food. If you forget to take MINOCIN, take it as soon as you remember.
- If you take too much MINOCIN, call your doctor or poison control center right away.

What are the possible side effects of MINOCIN?

MINOCIN may cause serious side effects. Stop MINOCIN and call your doctor if you have:

- watery diarrhea
- blurred vision
- feeling very tired
- bloody stools
- fever
- swollen lymph nodes
- stomach cramps
- rash
- unusual headaches
- joint pain

related antibiotics (tetracycline hydrochloride and oxytetracycline). Segment I (fertility and general reproduction) studies have provided evidence that minocycline impairs fertility in male rats.

Pregnancy

Risk Summary

All pregnancies have a background risk of birth defects, loss, or other adverse outcome regardless of drug exposure. There are no adequate and well-controlled studies on the use of minocycline in pregnant women. Minocycline, like other tetracycline-class antibiotics, crosses the placenta and may cause fetal harm when administered to a pregnant woman. Rare spontaneous reports of congenital anomalies including limb reduction have been reported in postmarketing experience. Only limited information is available regarding these reports; therefore, no conclusion on causal association can be established. If minocycline is used during pregnancy or if the patient becomes pregnant while taking this drug, the patient should be apprised of the potential hazard to the fetus.

Nonteratogenic Effects: (See WARNINGS.)

Labor and Delivery

The effect of tetracyclines on labor and delivery is unknown.

Nursing Mothers

Tetracyclines are excreted in human milk. Because of the potential for serious adverse reactions in nursing infants from the tetracyclines, a decision should be made whether to discontinue nursing or discontinue the drug, taking into account the importance of the drug to the mother (see WARNINGS).

Pediatric Use

Minocycline is not recommended for the use in children below 8 years of age unless the expected benefits of therapy outweigh the risks (see WARNINGS).

Geriatric Use

Clinical studies of oral minocycline did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects. In general, dose selection for an elderly patient should be cautious, usually starting at the low end of the dosing range, reflecting the greater frequency of decreased hepatic, renal, or cardiac function, and of concomitant disease or other drug therapy (see WARNINGS and DOSAGE AND ADMINISTRATION).

MINOCIN Pellet-Filled Capsules (50 mg and 100 mg) do not contain sodium.

ADVERSE REACTIONS

Due to oral minocycline's virtually complete absorption, side effects to the lower bowel, particularly diarrhea, have been infrequent. The following adverse reactions have been observed in patients receiving tetracyclines:

Body as a whole: Fever and discoloration of secretions.

Gastrointestinal: Anorexia, nausea, vomiting, diarrhea, dyspepsia, stomatitis, glossitis, dysphagia, enamel hypoplasia, enterocolitis, pseudomembranous colitis, pancreatitis, inflammatory lesions (with monilial overgrowth) in the oral and anogenital regions. Instances of esophagitis and esophageal ulcerations have been reported in patients taking the tetracycline-class antibiotics in capsule and tablet form. Most of these patients took the medication immediately before going to bed (see DOSAGE AND ADMINISTRATION).

Genitourinary: Vulvovaginitis.

Hepatic toxicity: Hyperbilirubinemia, hepatic cholestasis, increases in liver enzymes, fatal hepatic failure, and jaundice. Hepatitis, including autoimmune hepatitis, and liver failure have been reported (see PRECAUTIONS).

Skin: Alopecia, erythema nodosum, hyperpigmentation of nails, pruritus, toxic epidermal necrolysis, vasculitis, maculopapular rash and erythematous rash. Exfoliative dermatitis has been reported. Fixed drug eruptions have been reported. Lesions occurring on the glans penis have caused balanitis. Erythema multiforme and Stevens-Johnson syndrome have been reported. Photosensitivity is discussed above (see WARNINGS - Photosensitivity). Pigmentation of the skin and mucous membranes has been reported.

Respiratory: Cough, dyspnea, bronchospasm, exacerbation of asthma, and pneumonitis.

Renal toxicity: Interstitial nephritis. Elevations in BUN have been reported and are apparently dose related (see WARNINGS). Reversible acute renal failure has been reported.

Musculoskeletal: Arthralgia, arthritis, bone discoloration, myalgia, joint stiffness, and joint swelling.

Hypersensitivity reactions: Urticaria, angioneurotic edema, polyarthralgia, anaphylaxis/anaphylactoid reaction (including shock and fatalities), anaphylactoid purpura, myocarditis, pericarditis, exacerbation of systemic lupus erythematosus and pulmonary infiltrates with eosinophilia have been reported. A transient lupus-like syndrome and serum sickness-like reactions also have been reported.

Blood: Agranulocytosis, hemolytic anemia, thrombocytopenia, leukopenia, neutropenia, pancytopenia, and eosinophilia have been reported.

Central Nervous System: Convulsions, dizziness, hypesthesia, paresthesia, sedation, and vertigo. Bulging fontanels in infants and benign intracranial hypertension (pseudotumor cerebri) in adults have been reported (see WARNINGS - Intracranial Hypertension). Headache has also been reported.

Other: Thyroid cancer has been reported in the postmarketing setting in association with minocycline products. When minocycline therapy is given over prolonged periods, monitoring for signs of thyroid cancer should be considered. When given over prolonged periods, tetracyclines have been reported to produce brown-black microscopic discoloration of the thyroid gland. Cases of abnormal thyroid function have been reported.

Tooth discoloration in children less than 8 years of age (see WARNINGS - Tooth Development) and also in adults has been reported.

Oral cavity discoloration (including tongue, lip, and gum) has been reported.

Tinnitus and decreased hearing have been reported in patients on MINOCIN.

The following syndromes have been reported. In some cases involving these syndromes, death has been reported. As with other serious adverse reactions, if any of these syndromes are recognized, the drug should be discontinued immediately:

Hypersensitivity syndrome consisting of cutaneous reaction (such as rash or exfoliative dermatitis), eosinophilia, and one or more of the following: hepatitis, pneumonitis, nephritis, myocarditis, and pericarditis. Fever and lymphadenopathy may be present.

Lupus-like syndrome consisting of positive antinuclear antibody; arthralgia, arthritis, joint stiffness, or joint swelling; and one or more of the following: fever, myalgia, hepatitis, rash, and vasculitis.

Serum sickness-like syndrome consisting of fever; urticaria or rash; and arthralgia, arthritis, joint stiffness, or joint swelling and lymphadenopathy. Eosinophilia may be present.

To report SUSPECTED ADVERSE REACTIONS, contact Valeant Pharmaceuticals North America LLC at 1-800-321-4576 or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

OVERDOSAGE

The adverse events more commonly seen in overdose are dizziness, nausea, and vomiting.

No specific antidote for minocycline is known.

In case of overdosage, discontinue medication, treat symptomatically, and institute supportive measures. Minocycline is not removed in significant quantities by hemodialysis or peritoneal dialysis.

MINOCIN may also cause:

- central nervous system effects.** Symptoms include light-headedness, dizziness, and a spinning feeling (vertigo). You should not drive or operate machines if you have these symptoms.
- sun sensitivity (photosensitivity).** You may get a worse sunburn with MINOCIN. Avoid sun exposure and the use of sunlamps or tanning beds. Protect your skin while out in the sunlight. Stop MINOCIN and call your doctor if your skin turns red.

These are not all the side effects with MINOCIN. Ask your doctor or pharmacist for more information.

CALL YOUR DOCTOR FOR MEDICAL ADVICE ABOUT SIDE EFFECTS. YOU MAY REPORT SIDE EFFECTS TO THE FDA AT 1-800-FDA-1088.

How should I store MINOCIN® capsules?

- Store MINOCIN capsules at room temperature and away from excess heat and moisture.
- Throw away any MINOCIN that is outdated or no longer needed.
- Keep MINOCIN capsules and all medicines out of the reach of children.**

General advice about MINOCIN capsules

Medicines are sometimes prescribed for purposes other than those listed in a Patient Information leaflet. Do not use MINOCIN capsules for a condition for which it was not prescribed. Do not give MINOCIN® capsules to other people, even if they have the same symptoms you have. It may harm them.

DOSAGE AND ADMINISTRATION

THE USUAL DOSAGE AND FREQUENCY OF ADMINISTRATION OF MINOCYCLINE DIFFER FROM THAT OF THE OTHER TETRACYCLINES. EXCEEDING THE RECOMMENDED DOSAGE MAY RESULT IN AN INCREASED INCIDENCE OF SIDE EFFECTS.

MINOCIN Pellet-Filled Capsules may be taken with or without food (see CLINICAL PHARMACOLOGY).

Ingestion of adequate amounts of fluids along with capsule and tablet forms of drugs in the tetracycline-class is recommended to reduce the risk of esophageal irritation and ulceration. The pellet-filled capsules should be swallowed whole.

For Pediatric Patients above 8 Years of Age

Usual pediatric dose: 4 mg/kg initially followed by 2 mg/kg every 12 hours, not to exceed the usual adult dose.

Adults

The usual dosage of MINOCIN Pellet-Filled Capsules is 200 mg initially followed by 100 mg every 12 hours. Alternatively, if more frequent doses are preferred, two or four 50 mg pellet-filled capsules may be given initially followed by one 50 mg capsule 4 times daily.

Uncomplicated gonococcal infections other than urethritis and anorectal infections in men: 200 mg initially, followed by 100 mg every 12 hours for a minimum of 4 days, with post-therapy cultures within 2 to 3 days.

In the treatment of uncomplicated gonococcal urethritis in men, 100 mg every 12 hours for 5 days is recommended.

For the treatment of syphilis, the usual dosage of minocycline hydrochloride should be administered over a period of 10 to 15 days. Close follow-up, including laboratory tests, is recommended.

In the treatment of meningococcal carrier state, the recommended dosage is 100 mg every 12 hours for 5 days.

Mycobacterium marinum infections: Although optimal doses have not been established, 100 mg every 12 hours for 6 to 8 weeks have been used successfully in a limited number of cases.

Uncomplicated urethral, endocervical, or rectal infection in adults caused by *Chlamydia trachomatis* or *Ureaplasma urealyticum*: 100 mg orally, every 12 hours for at least 7 days.

Ingestion of adequate amounts of fluids along with capsule and tablet forms of drugs in the tetracycline class is recommended to reduce the risk of esophageal irritation and ulceration.

The pharmacokinetics of minocycline in patients with renal impairment (CL_{CR} <80 mL/min) have not been fully characterized. Current data are insufficient to determine if a dosage adjustment is warranted. The total daily dosage should not exceed 200 mg in 24 hours. However, due to the antianabolic effect of tetracyclines, BUN and creatinine should be monitored (see WARNINGS - Antianabolic Action).

HOW SUPPLIED

MINOCIN® (minocycline hydrochloride) Pellet-Filled Capsules are supplied as capsules containing minocycline hydrochloride equivalent to 50 mg and 100 mg minocycline.

100 mg, two-piece, hard-shell capsule with an opaque light green cap and a transparent green body, printed in white ink with "Onset" over "M0100" on one half and "Onset" over "100 mg" on the other half. Each capsule contains pellets of minocycline hydrochloride equivalent to 100 mg of minocycline, supplied as follows:

NDC 16781-403-60 100 mg Bottle of 60

50 mg, two-piece, hard-shell capsule with an opaque yellow cap and a transparent green body, printed in black ink with "Onset" over "M050" on one half and "Onset" over "50 mg" on the other half. Each capsule contains pellets of minocycline hydrochloride equivalent to 50 mg of minocycline, supplied as follows:

NDC 16781-400-60 50 mg Bottle of 60

Store at controlled room temperature 20° to 25°C (68° to 77°F).

Protect from light, moisture, and excessive heat.

Dispense in a tight, light-resistant container as defined in the USP.

ANIMAL PHARMACOLOGY AND TOXICOLOGY

Minocycline hydrochloride has been observed to cause a dark discoloration of the thyroid in experimental animals (rats, minipigs, dogs, and monkeys). In the rat, chronic treatment with minocycline hydrochloride has resulted in goiter accompanied by elevated radioactive iodine uptake and evidence of thyroid tumor production. Minocycline hydrochloride has also been found to produce thyroid hyperplasia in rats and dogs.

REFERENCES

- Clinical and Laboratory Standards Institute (CLSI). Methods for Dilution Antimicrobial Susceptibility Tests for Bacteria that Grow Aerobically; Approved Standard-Tenth Edition; CLSI Document M07-A10 [2015]. Clinical and Laboratory Standards, 940 West Valley Rd., Suite 2500, Wayne, PA 19087-1898.

Manufactured for:

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Manufactured by:

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This Patient Information leaflet summarizes the most important information about MINOCIN. If you would like more information, talk with your doctor.

Your doctor or pharmacist can give you information about MINOCIN that is written for healthcare professionals. For more information, you can also call Valeant Pharmaceuticals North America LLC at 1-800-321-4576.

What are the ingredients in MINOCIN capsules?

Active ingredient: minocycline hydrochloride, 50 mg and 100 mg

Inactive ingredients: FD&C Blue #1, gelatin, titanium dioxide and FD&C Yellow #10. The 50 mg capsule shell also contains black and yellow iron oxides.

Manufactured for:

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