

Drug use in pregnancy



- **Rule 1:** She is **pregnant** till proven otherwise
 - **Rule 2:** All drugs are **BAD** to be consumed in pregnancy till proven otherwise
 - **Rule 3:** Survival guide 'How to choose the correct med for a pregnant patient'
-
- *Remember:*
 - *Absence of evidence is NOT evidence of absence*

Drug use in pregnancy



- Essentially, **all drugs can cross the placenta**, but the degree to which specific drugs enter the placenta varies
- Factors that determine drug passage into the placenta are the same factors that determine drug passage across all other membranes
- **For practical purposes, assume that any drug taken during pregnancy will reach the fetus**

Summary of factors affecting drug transfer across the placenta

Physical

Placental surface area

Placental thickness

pH of maternal and fetal blood

Placental metabolism

Uteroplacental blood flow

Presence of placental drug transporters

Pharmacological

Molecular weight of drug

Lipid solubility

pKa

Protein binding

Concentration gradient across placenta

SickKids - Motherisk



References



MOTHERISK
TREATING THE MOTHER –
PROTECTING THE UNBORN



Mothers



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Fluconazole use during breastfeeding

I have a patient with persistent breast and nipple thrush. Other therapies have failed, so I have decided to treat her with a loading dose of 400 mg of oral fluconazole followed by 100 mg twice daily for at least 2 weeks.

Is there any need for her to interrupt breastfeeding during this treatment? [more »](#)



Motherisk News

Breastfeeding Update

Medications

Motherisk Helplines

The Motherisk Program at The Hospital for Sick Children is a teratogen information service providing up-to-date information about the risk and safety of medications and other exposures during pregnancy and breastfeeding. Research and education in the program is also an important ongoing activity.

Motherisk counselors are ready to answer calls and provide information to women, their partners and health-care providers.

Motherisk Helpline

Our Helplines

Motherisk Helpline

1-877-439-2744 (Toll-free)

416-813-6780 (Toronto and GTA)

Alcohol and Substance

1-877-327-4636

News

Sep
29
2017
[Update to 90-Day status report following the Lang Review of the Motherisk Drug Testing Laboratory \(MDTL\)](#)

Sep
29
2017
[Update on Motherisk Program at The Hospital for Sick Children](#)

Mar
21
2016
[90-Day status report following the Lang Review of the Motherisk Drug Testing Laboratory \(MDTL\)](#)

Read more in our [News Archive](#)

Developmental and Reproductive Toxicology Database (DART)



References

The screenshot shows the DART website interface. At the top, there is a dark blue header with the NIH logo and 'U.S. National Library of Medicine' on the left, and 'TOXNET TOXICOLOGY DATA NETWORK' in the center. On the right of the header are links for 'Mobile', 'Help', 'FAQs', 'TOXNET Fact Sheet', and 'Training Manual & Schedule'. Below the header, a breadcrumb trail reads 'TOXNET Home > DART'. A 'Share' button is visible in the top right corner. The main content area features a baby's face on the left, followed by the 'DART A TOXNET DATABASE' logo and the title 'Developmental and Reproductive Toxicology Database (DART)'. Below this is a search interface with three tabs: 'SEARCH DART' (selected), 'BROWSE DART', and 'ADVANCED SEARCH'. The search form includes a text input field with the placeholder 'e.g. benzene, endocrine disruptor', a 'Search' button, and several options: 'Search Term' set to 'singular/plural', 'Records with' set to 'all of the words', and two checked checkboxes: 'Include Synonyms and CAS Numbers in Search' and 'Include PubMed Records'. To the right of the search interface is a 'Support' section with a 'Resources' sub-section containing links for 'Help', 'Fact Sheet', 'Sample Record', 'DART Search Strategy', 'Recent Updates', 'TOXNET FAQ', and 'Importing Citations into Reference Management Programs'. Below 'Resources' is a 'Contact Us' section with the email 'tehip@tehl.nlm.nih.gov', telephone '(301) 496-1131', and fax '(301) 480-3537'. At the bottom, there are two informational boxes: 'About DART' which states 'What is DART? DART provides more than 400,000 journal references covering teratology and other aspects of developmental and reproductive toxicology. DART is funded by the U.S. Environmental Protection Agency,' and 'Did you know' which asks 'How do I obtain the full TOXNET dataset?' and lists available datasets: 'ChemIDplus, CCRIS, GENE-TOX, HSDB, LactMed, and TOXLINE'.

MotherToBaby – Fact Sheets



References

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The Baby Blog

Ask An Expert

You have questions. We have answers.



Call Us Toll Free **866-626-6847**
Or Text Us **855-999-3525**
Standard Messaging Rates May Apply



Email An Expert



Chat Live With An Expert

Fact Sheets

MotherToBaby – Fact Sheets



References

Fact Sheets

The experts behind MotherToBaby have created fact sheets that answer frequently asked questions about exposures during pregnancy and breastfeeding. MotherToBaby Fact Sheets are available in both English and Spanish and can be downloaded for free. Currently available fact sheets are listed below by category of exposure. All medications are listed by generic name. The generic name can be found on your prescription or medication packaging listed as the Active Ingredient, or in parentheses after the medication's brand name.

MotherToBaby Fact Sheets are meant for general information purposes and should not replace the advice of your health care provider. If you have additional questions, or if you do not see your topic of interest listed below, please [contact us](#) by phone, text, email, or live chat to speak with a MotherToBaby expert.

- Health Professionals
- Fact Sheets
- F.A.Q's

Search Our Fact Sheets:

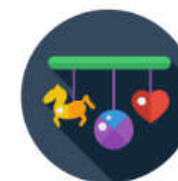
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Testimonials




"Thank you SO MUCH!!! You have given me so much insight, truth, and hope about being pregnant and being a mom. Knowing the true facts about how I can best provide for my health and my baby's health, I feel at ease knowing that I can not only stay on my medicine to keep me well but also it is



Prescribing medicines in pregnancy database (Australia Govt, TGA)






Australian Government
Department of Health
Therapeutic Goods Administration

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Health professionals

- Reporting problems
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Prescribing medicines in pregnancy database

8 March 2018

This database is intended to provide information to health professionals planning the medical management of pregnant patients or patients intending to become pregnant. It is not presented as medical advice to health professionals or the public.

The use of any medicine during pregnancy requires careful consideration of both risks and benefits by the treating health professional. Any decision about taking a medicine during pregnancy should:

- involve a health professional and the patient
- take into account:
 - all available information on the medicine
 - the specific circumstances

Related information

- [Updates to the Prescribing medicines in pregnancy database](#)

Prescribing medicines in pregnancy database (Australia Govt, TGA)



Health professionals

- › Reporting problems
- › Accessing unapproved products

Health professional information & education

Safety information for health professionals

Health professional educational materials

Access to medicinal cannabis products

Medicines

Medical devices

Other web resources for health professionals

Medicine Shortages Information Initiative

Biologicals information for health professionals

Search by name

- Type the [generic name/active ingredient](#) of the medicine (or part of the name). The medicine will appear, with its classification and Pregnancy Category.
- Click on the medicine to obtain the description of the category, and safety statements when applicable. For combination products, search the medicines individually.

Search by [active ingredient/generic name](#) of a medicine

Submit Display All Reset Search

Search by classification level


- To select medicines by their pharmacological group or pharmacological action, select a classification level from the drop-down list.
- To view all medicines, click on Display All.
- Click on the medicine to obtain the description of the category, and safety statements when applicable. For combination products, search the medicines individually.

| Medicine Classification | |
|-------------------------|-------|
| Level 1 | All ▼ |
| Level 2 | All ▼ |

Drugs and Lactation Database (LactMed)





References

 U.S. National Library of Medicine

TOXNET TOXICOLOGY DATA NETWORK

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LactMed

A TOXNET DATABASE

Drugs and Lactation Database (LactMed)


SEARCH LACTMED | BROWSE LACTMED | ADVANCED SEARCH

Search Term Records with Include Synonyms and CAS Numbers in Search

About LactMed

What is LactMed?
The LactMed® database contains information on drugs and other chemicals to which breastfeeding mothers may be exposed. It includes information on the levels of such substances in breast milk and infant blood, and the possible adverse effects in the nursing infant.

Did you know

 **How do I obtain the full TOXNET dataset?**

The following TOXNET datasets are available:
ChemIDplus, CCRIS, GENE-TOX, HSDB, LactMed, and TOXLINE.

Support

Resources


- [User and Medical Advice](#)
- [Disclaimer](#)
- [LactMed Data Usage/Translation](#)
- [LactMed App](#)
- [LactMed Record Format](#)
- [Database Creation & Peer Review Process](#)
- [Help](#)
- [Fact Sheet](#)
- [Sample Record](#)
- [TOXNET FAQ](#)
- [Glossary](#)
- [Selected References](#)
- [About Dietary Supplements](#)
- [Breastfeeding Links](#)
- [Get LactMed Widget](#)

Contact Us

Rule 3: Survival guide 'How to choose the correct med for a pregnant patient'



Recommended references:

- Uptodate – intranet link
- British National Formulary (BNF) – intranet link
- Motherisk - <http://www.motherisk.org/index.jsp>
- Mothertobaby - <https://mothertobaby.org/fact-sheets-parent/>
- Lactmed - <https://toxnet.nlm.nih.gov/newtoxnet/lactmed.htm>
- DART - <https://toxnet.nlm.nih.gov/newtoxnet/dart.htm>
- Most convenient option:  Call the Pharmacist 24/7