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**Manuscript Type:** REVIEW

**Liver injury associated with drug intake during pregnancy**

Kamath P *et al.* Liver injury

Priyanka Kamath, Ashwin Kamath, Sheetal D Ullal

### Abstract

Drug use during pregnancy is not common. <sup>8</sup> Drug-induced liver injury (DILI) is a potential complication that is rare but can adversely affect both the mother and the fetus. Although many drugs can directly cause hepatotoxicity, idiosyncratic liver injury is common in pregnancy. Underreporting of adverse drug reactions, lack of adequate literature regarding drug safety in pregnancy, and the inherent difficulty in diagnosing drug-induced liver injury during pregnancy make the management of this condition

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**Drug-induced liver injury** (DILI) has become the leading cause of acute **liver** failure in Western countries, and **pregnancy** is thought to be a risk factor, but only few anecdotal reports concerning **pregnant** women are found. These involved antihypertensive, antithyroid, antiretroviral, and antituberculosis **medications**, and antibiotics.

Author: Terence T. Lao

Publish Year: 2020

[Drug-induced liver injury in pregnancy - ScienceDirect](#)[www.sciencedirect.com/science/article/pii/S1521693420300468](https://www.sciencedirect.com/science/article/pii/S1521693420300468)

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Aim: Drug-induced liver injury is one of the most serious adverse drug reactions and the most frequent



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Intake of drugs and herbal medicine among pregnant women is high worldwide. Pregnancy is a risk factor for drug-induced liver injury and **acute liver failure**. With no specific marker for this type of injury, diagnosis is usually by exclusion. Hepatotoxicity is usually idiosyncratic, with recovery upon drug discontinuation.

**Author:** Terence T. Lao  
**Publish Year:** 2020

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**Author:** Terence T. Lao **Publish Year:** 2020

[Drugs and Liver Disease | Signs of Drug-Induced Liver Injury](https://drugabuse.com/addiction/health-issues/liver-disease)

https://drugabuse.com/addiction/health-issues/liver-disease ▾  
Mar 02, 2021 · A few risk factors that increase a person's chance of experiencing **drug-induced liver injury** include 3, 6: Drinking alcohol. Being 18 years of age or older. Genes that affect a user's response to **drugs**. Obesity. **Pregnancy**. Sex. Other diseases, such as HIV or **liver disease**. Illicit **drug** abuse. Taking medication or **drugs** in excess.

[Liver Injury Caused by Drugs - Hepatic and Biliary ...](https://www.msdmanuals.com/.../drugs-and-the-liver/liver-injury-caused-by-drugs)

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Efforts to avoid **drug-induced liver injury (DILI)** begin **during** the **drug**-development process, although apparent safety in small preclinical trials does not ensure eventual safety of the **drug** after it is in widespread use. Postmarketing surveillance, now increasingly mandated by the FDA, can call attention to potentially hepatotoxic **drugs**.

[\[PDF\] Acute Oxcarbazepine-Induced Hepatotoxicity in a Patient ...](https://hrcak.srce.hr/file/146639)

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Further association with pregnancy, as one of the risk factor for drug induced liver injury, would increase this causal relationship in our patient to «highly probable or definite» (score 9). It is reported that a **hepatocellular lesion may repre-sentanadditional signal needed to initiate the process of a**  
**Cited by:** 4 **Author:** Miljenka Planjar-Prvan, Ana Bielen, Ana Sru...  
**Publish Year:** 2013

[Liver Disease in Pregnancy - clevelandclinicmeded.com](http://www.clevelandclinicmeded.com/.../liver...in-pregnancy)

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The disease activity of **autoimmune hepatitis** is usually attenuated during pregnancy, and dosages of medication can be decreased because of the state of immune tolerance induced by the pregnancy. Nonetheless, flares have occurred in 11% of patients during ...


[Drug induced liver injury is associated with high ...](https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0231398)

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Apr 10, 2020 · **Drug induced liver injury (DILI)** is defined as hepatotoxicity caused by various medications, herbs, or other xenobiotics, subsequently leading to abnormalities in **liver tests** or **liver dysfunction** with the reasonable exclusion of other etiologies .

[Drug-Induced Liver Injury: An Overview - U.S. Pharmacist](https://www.uspharmacist.com/article/druginduced-liver-injury-an-overview)

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DILI is thought to occur via several different mechanisms. Among these are direct impairment of the structural (e.g., mitochondrial dysfunction) and functional integrity of the **liver**; production of a metabolite that alters hepatocellular structure and function; production of a reactive **drug** metabolite that binds to hepatic proteins to produce new antigenic drug-protein adducts, which are targeted by hosts' defenses (the hapten hypot...

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[New Boxed Warning on severe liver injury with propylthiouracil](https://www.fda.gov/drugs/postmarket-drug-safety...)

https://www.fda.gov/drugs/postmarket-drug-safety... ▾  
**Severe Liver Injury:** FDA, the National Institute of Child Health and Human Development, the American Thyroid Association, and other stakeholders held meetings in 2008 and 2009 to discuss the

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A liver injury, also known as liver laceration, is some form of trauma sustained to the liver. This can occur through either a blunt force such as a car accident, or a penetrating foreign object such as a knife. Liver injuries constitute 5% of all traumas, making it the most common abdominal injury. Generally nonoperative management and observation is all that is required for a full recovery.

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