

**Kratom induced severe cholestatic liver injury histologically mimicking primary biliary cholangitis: A case report**

Gandhi D *et al.* Kratom induced severe cholestatic liver injury

**Abstract**

**BACKGROUND**

Kratom is a psychoactive substance that is isolated from the plant *Mitragyna speciosa*. The leaves can be chewed fresh or dried, smoked, or infused similar to herbal teas. The plant leaves have been used by natives of Southeast Asia for centuries. The substance has been used for its stimulant activity at low doses, and as an opium substitute at higher doses due to a morphine like effect.

**CASE SUMMARY**

A 37-year-old female with a history of depression and obesity (Body mass index: 32) presented to emergency room with a week-long history of nausea, decreased appetite, fatigue, and two days of jaundice. Four days prior to admission, she noticed that her stools were becoming more tan and eventually turned white. She also reported that her urine was dark. Two days prior to admission the patient noticed jaundice and scleral icterus which prompted her to seek treatment.

**CONCLUSION**

The use of Kratom has been on the rise in recent years across the United States and

**Match Overview**

There are no matching sources for this report.





国内版

国际版

ratom (*Mitragyna speciosa*) induced severe cholestatic liver injury



ALL

IMAGES

VIDEOS

28 Results

Any time ▾

## Kratom - LiverTox - NCBI Bookshelf

<https://www.ncbi.nlm.nih.gov/books/NBK548231>

Apr 03, 2020 · Aldyab M, Ells PF, Bui R, Chapman TD, Lee H. Kratom-induced cholestatic liver injury mimicking anti-mitochondrial antibody-negative primary biliary cholangitis: a Case Report and Review of Literature. Gastroenterology Res. 2019; 12:211–5. [PMC free article: PMC6731044] [PubMed: 31523332]

## Kratom-Induced Cholestatic Liver Injury Mimicking Anti ...

[https://www.researchgate.net/publication/335391385\\_Kratom-Induced\\_Cholestatic\\_Liver...](https://www.researchgate.net/publication/335391385_Kratom-Induced_Cholestatic_Liver...)

Kratom-Induced Cholestatic Liver Injury Mimicking Anti-Mitochondrial Antibody-Negative Primary Biliary Cholangitis: A Case Report and Review of Literature

## Herb-Induced Liver Injury With Cholestasis and Renal ...

<https://pubmed.ncbi.nlm.nih.gov/29927773>

Herb-Induced Liver Injury With Cholestasis and Renal Injury Secondary to Short-Term Use of Kratom (*Mitragyna Speciosa*) Clipboard, Search History, and several other advanced features are temporarily unavailable. Skip to main page content National Institutes of Health ...

## Kratom (*Mitragyna Speciosa*) Liver Injury: A Comprehensive ...

[https://www.researchgate.net/publication/338489835\\_Kratom\\_Mitragyna\\_Speciosa\\_Liver...](https://www.researchgate.net/publication/338489835_Kratom_Mitragyna_Speciosa_Liver...)

Request PDF | Kratom (*Mitragyna Speciosa*) Liver Injury: A Comprehensive Review | Kratom (*Mitragyna speciosa*) leaves contain the mu opioid Kupferschmidt, partial agonists ...

## (PDF) Kratom-Induced Cholestatic Liver Injury and Its ...

[https://www.researchgate.net/publication/332063181\\_Kratom-Induced\\_Cholestatic\\_Liver...](https://www.researchgate.net/publication/332063181_Kratom-Induced_Cholestatic_Liver...)





国内版

国际版

Kratom induced severe cholestatic liver injury histologically mimick



Sign in



ALL

IMAGES

VIDEOS

13,200 Results

Any time ▼

## Kratom-Induced Cholestatic Liver Injury Mimicking Anti ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6731044>

We report an unusual case of **kratom-induced liver injury** that **mimicked anti-mitochondrial antibody (AMA)-negative primary biliary cholangitis (PBC) histologically**, due to the presence of granulomas and duct injury in the **liver biopsy**.

Cited by: 3

Author: Mahmoud Aldyab, Peter F. Ells, Rosa Bui, Ti...

Publish Year: 2019

## Search Tools

Turn off Hover Translation (关闭取词)

## Kratom-Induced Cholestatic Liver Injury Mimicking Anti ...

<https://www.ncbi.nlm.nih.gov/pubmed/31523332>

**hepatic toxicity** are limited and only three case reports of **kratom-induced liver injury with histopathologic examination** of the **liver biopsies** are available. A 40-year-old female presented with **symptoms of mixed cholestatic and hepatocellular liver injury** without clear etiology. The ...

Cited by: 3

Author: Mahmoud Aldyab, Peter F. Ells, Rosa Bui, Ti...

Publish Year: 2019

## Kratom-Induced Cholestatic Liver Injury Mimicking Anti ...

<https://www.researchgate.net/publication/335391385...>

Reports of **kratom-induced hepatic toxicity** are limited and only three case reports of **kratom-induced liver injury with histopathologic examination** of the **liver biopsies** are available. A 40-year-old...

## Kratom ( Mitragnya Speciosa ) Liver Injury: A ...

<https://link.springer.com/article/10.1007/s40265-019-01242-6> ▼

Jan 09, 2020 · **Histologic findings** were **predominantly cholestatic**, although, biochemically, the condition





Kratom induced severe cholestatic liver injury histologically mimicki



ALL

IMAGES

VIDEOS

MAPS

NEWS

SHOPPING

13,100 Results

Any time ▾

### [Kratom-Induced Cholestatic Liver Injury Mimicking Anti ...](#)

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6731044>

We report an unusual case of **kratom-induced liver injury** that **mimicked anti-mitochondrial antibody (AMA)-negative primary biliary cholangitis (PBC) histologically**, due to the presence of granulomas and duct injury in the **liver biopsy**.

Cited by: 3

Author: Mahmoud Aldyab, Peter F. Ells, Rosa Bui...

Publish Year: 2019

### [Kratom-Induced Cholestatic Liver Injury Mimicking Anti ...](#)

<https://www.ncbi.nlm.nih.gov/pubmed/31523332>

**hepatic toxicity** are limited and only three case reports of **kratom-induced liver injury with histopathologic examination** of the **liver biopsies** are available. A 40-year-old female presented with **symptoms of mixed cholestatic and hepatocellular liver injury** ...

Cited by: 3

Author: Mahmoud Aldyab, Peter F. Ells, Rosa Bui...

Publish Year: 2019

### [Kratom-Induced Cholestatic Liver Injury Mimicking Anti ...](#)

<https://www.researchgate.net/publication/335391385...>

Reports of **kratom-induced hepatic toxicity** are limited and only three case reports of **kratom-induced liver injury with histopathologic examination** of the **liver biopsies** are available. A 40-year-old...

### [\(PDF\) Kratom-Induced Cholestatic Liver Injury and Its ...](#)

<https://www.researchgate.net/publication/332063181...>

PDF | **Drug-induced liver injury (DILI)** is a common cause of hepatotoxicity associated with prescription-based and over-the-counter exposure to... | Find, read and cite all the research you need on ...

### [Kratom \( Mitragyna Speciosa \) Liver Injury: A ...](#)

<https://link.springer.com/article/10.1007/s40265-019-01242-6> ▾

Jan 09, 2020 · **Histologic findings** were **predominantly cholestatic**, although, biochemically, the condition was heterogenous or **mixed**; the median R ratio was 3.4 and the mean was 4.6 (range 0.24–10.4). **Kratom** likely **causes liver injury** based on the totality of low-quality human evidence, and, in the context of epidemiologic, animal, and mechanistic studies.