



Non-Alcoholic Steatohepatitis

The Chronic, Silent Liver Disease



Jacksonville Center for Clinical Research



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Today's Physician Panel

Dr. Michael Koren



Dr. Troy Borema



Dr. Mitch Rothstein





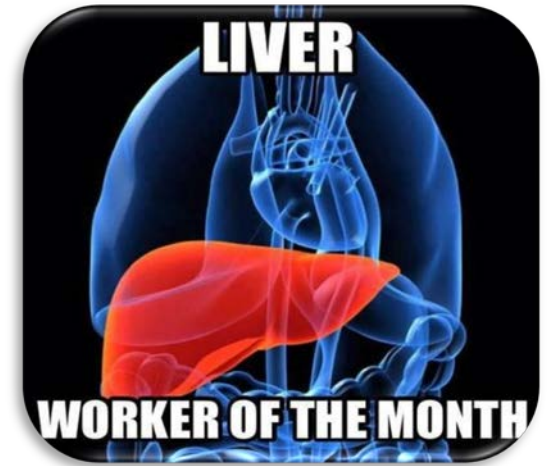
Your Liver and You

The Liver:

Is the largest solid organ in the human body and weighs over 3 lbs

Has over 500 functions. Foremost is filtering the blood from the digestive tract to remove toxins and extract nutrients.

Can regenerate completely as long as 25% of the tissue remains



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Modern Lifestyle Disease

"Liver 🍦 specialists 🍦
still 🍰 don't 🧀 know 🍰
why 🍫 fatty 🍬 liver
🍬 disease 🍦 and 🍞
NASH 🍰 develop 🍩 so 🍦
rapidly"





Test your knowledge

What characterizes NASH?

- A cirrhosis of the liver
- B a genetic condition of abnormal liver enzymes
- C abnormal accumulation of fat in the liver
- D a music city in Tennessee





Common Liver Disorders

- Viral Hepatitis
- Alcoholic Hepatitis
- Liver Fibrosis
- Liver Cirrhosis
- Nonalcoholic Fatty Liver Disease
- Nonalcoholic Steatohepatitis



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Risk Factors for NASH

- Obesity
- Type 2 Diabetes Mellitus
- Metabolic Syndrome (abdominal obesity, dyslipidemia, hypertension, elevated FBS)
- Insulin Resistance



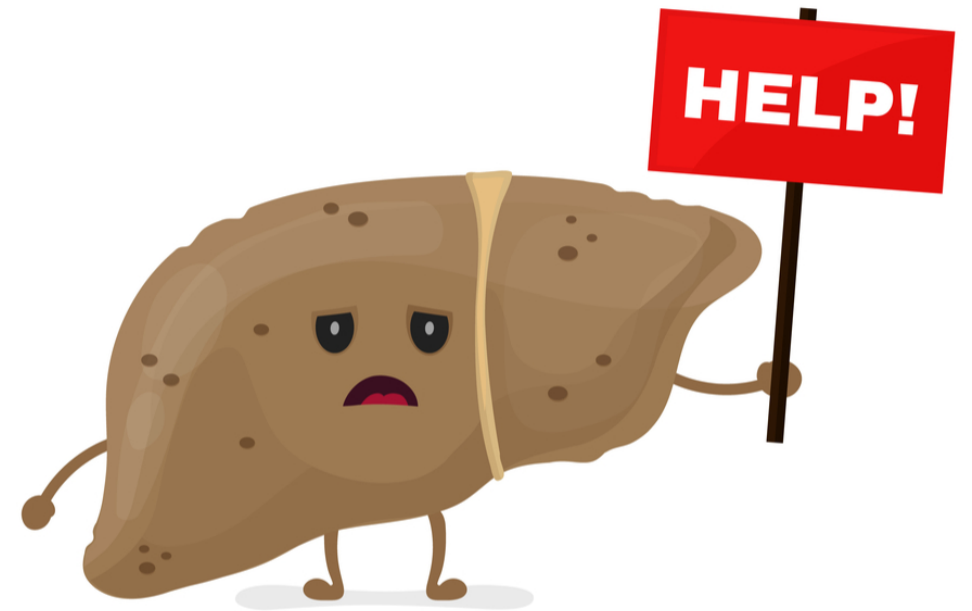


Living with a Silent Disease

Affects ~16 million Americans

Set to surpass hepatitis C as the most common reason for liver transplants in 2018

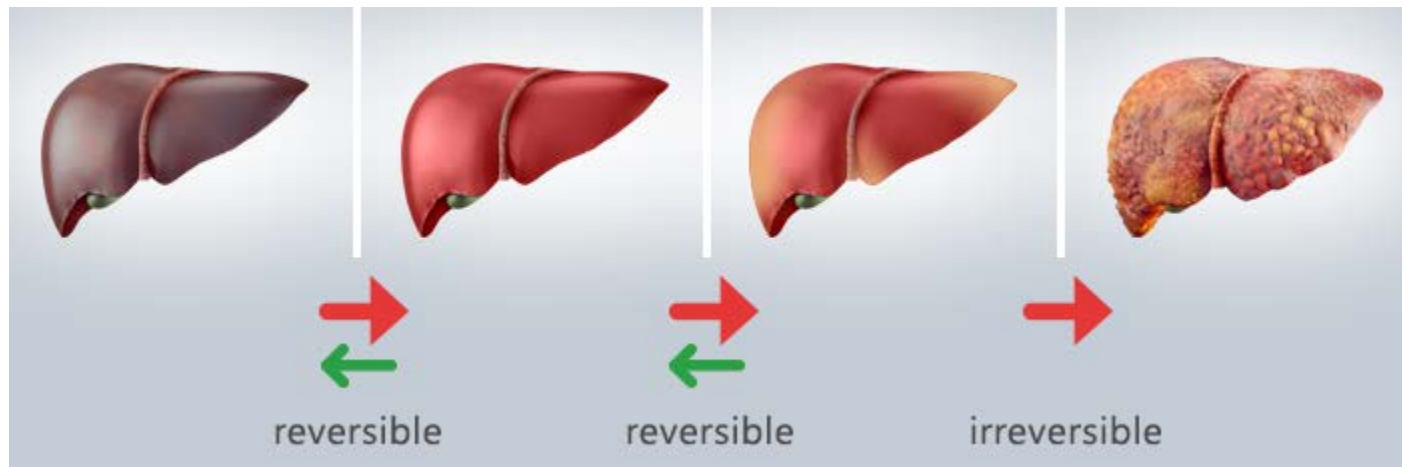
Progressive form of NAFLD





Disease Progression

Healthy Liver > Simple Fat Accumulation > NASH > Cirrhosis





Key Hurdles to Treating NASH

Identifying patients, especially at early states

Expensive diagnostic testing - Biopsy vs MRI vs VCTE (Fibroscan)

A lack of effective therapies

<http://www.businessinsider.com/what-is-nash-the-silent-liver-disease-that-went-undetected-2017-7>





Clinical Trials

NAFLD and NASH have reached epidemic levels and new therapies are needed to prevent liver transplants.

Current clinical trials in our community are evaluating new ways to reverse NASH (reduce liver inflammation) and prevent disease progression.

Find out more at www.jaxresearch.com

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Questions?

