Summer 2015

NASH: Non-Alcoholic Steatohepatitis

Jennifer Heck
Otterbein University, jennifer.heck@otterbein.edu

Follow this and additional works at: https://digitalcommons.otterbein.edu/stu_msn

Part of the Digestive System Diseases Commons, Medical Pathology Commons, and the Nursing Commons

Recommended Citation
https://digitalcommons.otterbein.edu/stu_msn/95

This Project is brought to you for free and open access by the Student Research & Creative Work at Digital Commons @ Otterbein. It has been accepted for inclusion in Master of Science in Nursing (MSN) Student Scholarship by an authorized administrator of Digital Commons @ Otterbein. For more information, please contact shickey@otterbein.edu.
Early, asymptomatic oxidative resistance—Diagnosis made based on...

The distinction of steatosis to steatohepatitis is thought to be hepatic steatosis and be followed by a second "hit"...Alcohol consumption verses little to no alcohol. An important role of the ROS, Tariq, Z., Green, C. J., & Hodson, L. (2014, August). Peroxisome proliferator pathology from steatosis to steatohepatitis...A strong link between obesity and NAFLD...Nonalcoholic steatohepatitis (NASH), is frequently associated with NAFLD (Nseiri, Mograbi, & Ghali, 2013), "The two hits" hypothesis. Vonghia, Michielon, & Franceschi (2013), "The initial two "hit" hypotheses described insulin resistance as "first hit" that leads to hepatic steatosis and is followed by a "second hit" driven by oxidative stress, which in turn leads to the development of steatohepatitis and fibrosis" (p. 190). Oxidative stress inside liver cells...hypothesis is related to the abundance of oxidative stress found in the liver with NASH. Improper metabolism that generates lipid species can initiate lipid peroxidation by targeting polyunsaturated fatty acids...A key role in the development of insulin resistance...Nonalcoholic fatty liver disease (such as medications, viral hepatitis, or excessive use of alcohol)...NAFLD affects a considerable number of the general population and is closely associated with metabolic syndrome...Obesity. NAFLD is rapidly becoming the most common liver disease worldwide...Obesity; untreated obesity is the leading cause of preventable deaths in the United States...Liver function will be impaired, with...weight loss, loss of appetite, nausea, confusion, poor wound healing or scarring...The symptoms of both types of fatty liver disease are often similar, but the outcomes for each are very different. In NAFLD, the disease is usually asymptomatic..."steatosis are the same, but...a chronic condition and associated with obesity, and type 2 diabetes. Currently no specific therapies for NASH exist. Prevention and management consist of...Low density lipoprotein and high density lipoprotein levels that are associated with lower and higher risk respectively...The symptoms of both types of fatty liver disease are often similar, but the outcomes for each are very different. In NAFLD, the disease is usually asymptomatic. Significance of Pathophysiology...The progression of NAFLD to NASH goes undetected and lead to innovative therapeutic strategies to treat this condition...lead to innovative therapeutic strategies to treat this condition...Conclusion...NASH: Non-Alcoholic Steatohepatitis...Jennifer Heck, RN BSN

Otterbein University, Westerville, Ohio