



WEEKLY GI RESEARCH WEBINAR

"Fixing Fatty Livers"

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Take Home Messages:

- NAFLD progression versus resolution is determined by efficacy of liver repair
- Liver repair requires reprogramming of surviving cells
- Reprogramming is controlled by inflammatory cytokines that regulate morphogenic signaling pathways that modulate both metabolism and cell fate decisions

References:

- Sonic hedgehog is an autocrine viability factor hepatic stellate cells. J Hepatol 2008. PMC 196213
- Increased production of Sonic hedgehog by ballooned hepatocytes. J Pathol 2011. PMC 3628812
- Hedgehog pathway activation parallels histologic severity of injury and fibrosis in human NAFLD. J Hepatol 2017. PMC 22213806
- Accumulation of cells with activated YAP parallels fibrosis progression in NAFLD. J Hepatol 2015. PMC 4575842
- Pathogenesis of NASH. Gastroenterology 2016. PMC 4887389
- Hepatocyte Notch activity induces liver fibrosis in NASH. Sci Transl Med 2018. PMC 6822168

MAR 4 • 4:00 PM

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