Case Definitions Working Group MS #3: Defining Improvement in NASH

Brent Neuschwander-Tetri Sophie Megnein

- Siddiqui MS, et al. Case definitions for inclusion and analysis of endpoints in clinical trials for NASH through the lens of regulatory science. Hepatology, in press, 2017.
 - Establish uniform definitions of disease states that meet regulatory standards
 - Allow comparison of trial results
 - Allow pooled analysis of studies in the future
 - Facilitate development of biomarkers of disease and response to therapy
 - (Not intended to guide clinical management)

- Goals of phenotype definitions
 - Objective
 - Quantifiable
 - Analyzable using quantitative approaches
 - Sensitive to change
 - Logistically feasible to operationalize in the context of multi-center clinical trials

• NAFLD phenotypes

(Normal) NAFL Indeterm. NASH

NAFLD phenotypes



NAFLD severity

Seven NAFLD phenotypes considered



NAFLD severity

• Three NAFLD phenotypes for clinical trials



WG accomplishments: MS #2 (Baseline Parameters)

- Patel YA, et al. Baseline parameters in clinical trials for nonalcoholic steatohepatitis: Recommendations from the Liver Forum. Gastroenterology (2017) 153: 621-625.
 - Metabolic Measures and Lab Data
 - Demographics and Genetics
 - Diet and Lifestyle
 - Concomitant meds
 - Histology
 - Comorbidities and Surgeries
 - Anthropometrics
 - Imaging and Non-invasive Measures
 - Health-Related Quality of Life

• Writing Committee:

- Amanda Cheung, MD
- Brent A. Neuschwander-Tetri, MD
- Stephen Harrison, MD
- David Kleiner, MD, PhD
- Maru Rinella, MD
- Arun Sanyal, MD
- Vlad Ratziu, MD, PhD
- Sophie Megnien, MD











Assessments:



Assessments:

