



Case Definitions

Working Group Update

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Case Definitions Update

- Defining Improvement in NASH for Treatment Trial Endpoints: Recommendations from the Liver Forum
 - Writing Team: Amanda Cheung, Brent Neuschwander-Tetri, David Kleiner, Mary Rinella, Stephen Harrison, Vlad Ratziu, Arun Sanyal, Sophie Megnien, Veronica Miller, on behalf of the Case Definitions Working Group
 - Purpose: Summary of currently available surrogate markers, highlighting clinically meaningful changes that can be used to identify beneficial effects of therapeutic agents and allow comparability across trials
 - Multiple rounds of review developing consensus
 - Currently undergoing final review
 - To be submitted to Hepatology





Currently Accepted Surrogate Endpoints

- Resolution of NASH without worsening of fibrosis
 - Disappearance of hepatocyte ballooning (reduction to grade 0) and the resolution or persistence of minimal lobular inflammation (grade 0 or 1)
- Improvement of fibrosis without worsening of NASH
 - Improvement by at least one stage using the Brunt criteria

The clinical significance of such changes still needs to be demonstrated through long term outcome studies



Recommendations



- Manuscript includes proposed definitions for:
 - Resolution of NAFLD, Improved NAFLD, Improved NASH, Resolution of NASH, Worsened NASH, Improved Fibrosis, Worsened Fibrosis, Improved Portal Hypertension
- Recommendations for each clinical trial phase (2a, 2b, 3, 4)
- Includes exploratory measures
 - Blood-based tests, Imaging, Biopsy, Clinical

