## Appendix 1 Example dataset for liver biopsy reporting in NASH clinical trials

Sample adequacy	Sample adequacy	
Length	x mm	
Number of portal tracts	x	
Staining quality: H&E	Acceptable/poor	
Staining quality: connective tissue	Acceptable/poor	
(Masson's trichrome or picrosirius red)		
Staining quality: reticulin	Acceptable/poor	
Staining quality: PASD	Acceptable/poor	
Staining quality: PAS	Acceptable/poor	
Staining quality: copper stain (orcein or	Acceptable/poor	
rhodamine)		
Staining quality: Perls' iron	Acceptable/poor	
NAS	· · · ·	
Steatosis	0, 1, 2, 3	
Lobular inflammation	0, 1, 2, 3	
Ballooning	0, 1, 2	
Total NAS		
Fibrosis		
CRN Stage	0, 1a, 1b, 1c, 2, 3, 4	
Signs of regression	Y/N	
	If Y: thin septa; hepatocytes growing into	
	septa or vessel walls, other	
Portal inflammation		
Grade	Mild, moderate, severe	
Cell types		
Diffuse or focal	Diffuse/focal	
Granulomas or lymphoid follicles?	Y/N	
	If Y: infiltration into duct: Y/N	
Interface hepatitis	Y/N	
	If Y, zone 3 necrosis?: Y/N	
	If Y, focal IH; mod IH (<50%); marked	
	(>50%)	
	If Y, cell type:	
Bile ducts		
Normal number	Y/N	
Epithelial injury	Y/N	
	If Y: describe	
Bile ductular proliferation/Ductular reaction	Y/N	

Concentric periductal sclerosis	Y/N
Vascular alterations	
Terminal hepatic vein	Y/N:
	If Y: perivenul fibrosis; subintimal
	fibrosis/SHN; other:
Portal vein branches	Y/N
	If Y: extruded; subintimal thickening; other:
	Periportal/paraportal shunt vessels
	present? Y/N
Hepatic arterty branches	Thickened or smudged media: Y/N
Sinusoids	Capillarization? Y/N
PASD	
Alpha-1 antitrypsin globules	Y/N
Iron	
Reticuloendothelial system (RES) iron grade	None, mild, moderate or above
If present, location	Hepatocyte; Sinusoidal lining cells; Both;
	Gradient present: Y/N
Reticulin	
Abnormalities (eg hyperplasia, nodularity)	Y/N
Copper stain	
Granules	Positive/negative
Comments	
Diagnosis	
NAFL	Y/N
NASH	Y/N
Not NAFL	Y/N
Other	