

Histological grading evaluation of non-alcoholic fatty liver disease after bariatric surgery: a retrospective and longitudinal observational cohort study

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Supplementary Information - Score to evaluate nonalcoholic fatty liver disease (NAFLD). A. Adopted criteria to classify histopathological findings according to the recommendation of the American Association for the Study of Liver Diseases (AASLD) and the European Association for the Study of the Liver (EASL), 2019*.

FLIP (Fatty Liver Inhibition of Progression) Steatosis, Activity, and Fibrosis Score		
Histological Feature	Score	Category Definition
Steatosis	0-3	0 <5%
		1 5% - 33%
		2 34% - 66%
		3 >66%
Ballooning	0-2	0 None
		1 Hepatocytes with rounded shape and pale cytoplasm
		2 Same as grade 1 with enlarged hepatocytes (>2x normal size)
Lobular inflammation	0-2	0 None
		1 <2 foci per ×20 field
		2 >2 foci per ×20 field
Fibrosis		0 No fibrosis
		1a Zone 3 mild perisinusoidal
		1b Zone 3 moderate perisinusoidal
		1c Periportal/portal
		2 Zone 3 plus portal/periportal
		3 Bridging
		4 Cirrhosis

* Rinella M.E., et al. Report on the AASLD/EASL Joint Workshop on Clinical Trial Endpoints in NAFLD. Hepatology. 70(4):1424-1436 (2019).