NAFLD-associated metabolic risks in obesity and diabetes – Insights from clinical practice

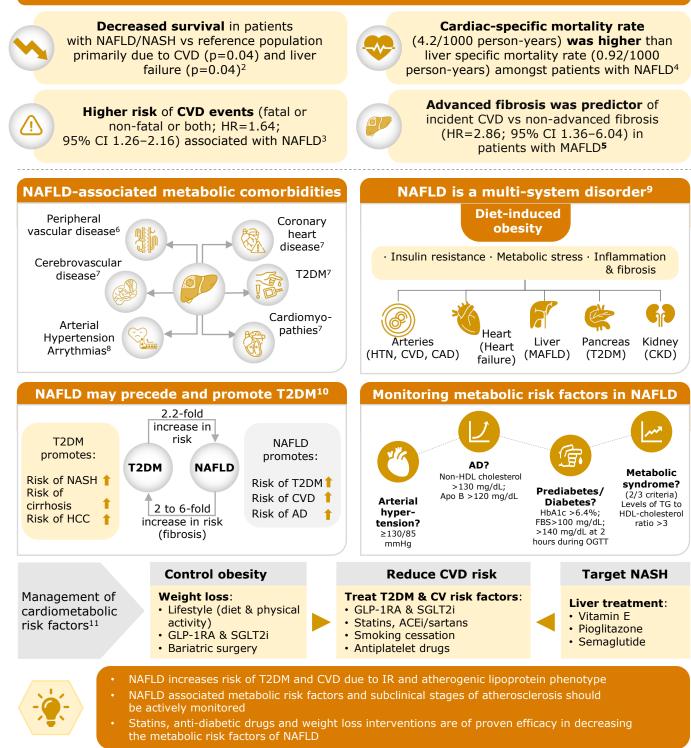
Prof. Marek Hartleb

Department of Gastroenterology and Hepatology, Medical University of Silesia, Katowice, Poland



NAFLD occurs concomitantly with several end-organ diseases and is associated with metabolic disorders and increased cardiometabolic risk factors¹

Clinical evidence supporting metabolic risks associated with NAFLD



ACEi, angiotensin-converting enzyme inhibitor; AD, atherogenic dyslipidemia; Apo B, apolipoprotein; CAD, coronary artery disease; CI, confidence interval; CKD, chronic kidney disease; CVD, cardiovascular disease; FBS, fasting blood sugar; FLI, fatty liver index; GLP-1RA, glucagon like peptide-1 receptor agonist; HbA1c, hemoglobin A1c; HCC, hepatocellular carcinoma; HDL, high density lipoprotein; HR, hazard ratio; HTN, hypertension; IR, insulin resistance; MAFLD, metabolic-associated liver disease; NAFLD, non-alcoholic fatty liver disease; NASH, non-alcoholic steatohepatitis; OGTT, oral glucose tolerance testing; SGLT2i; sodium-glucose co-transporter-2 inhibitor; T2DM, Type-2 diabetes mellitus; TG, triglyceride.

1. Sanyal A. NASH in 2021: The Multi-System disease, webinar; 2. Ekstedt M, et al. Hepatology 2006;44:865–73; 3. Younossi ZM, et al. Hepatology 2023;77:1335-47; 4. Targher G, et al. J Hepatol 2016;65:589–600; 5. Henson JB, et al. Aliment Pharmacol Ther 2020;51:728–736; 6. Zou Y, et al. Intern Med J 2017;47:1147–1153; 7. Oikonomou D, et al. Eur J Gastroenterol Hepatol 2018;30:979–985; 8. Wong CR, et al. Clin Liver Dis 2018;12:39–44; 9. Friedman SL, et al. Nat Med 2018;24:908; 10. Budd J, et al. Current Diabetes Reports 2020;20:59; 11. Manikat R and Nguyen MH Clin Mol Hepatol 2023;29(Suppl):s86–s102.

