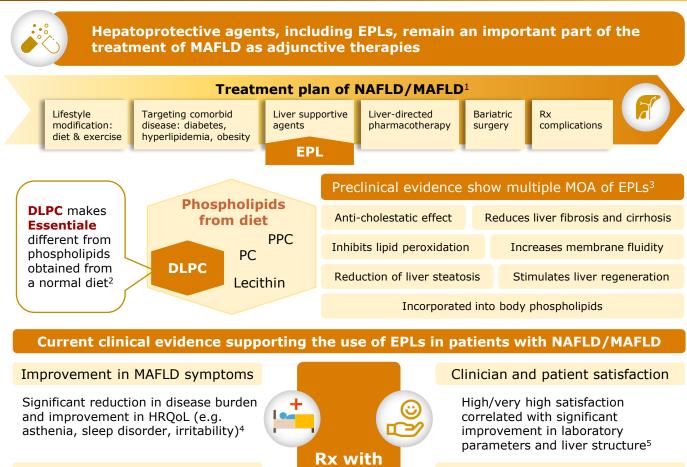
Essential phospholipids in the liver health landscape – clinical evidence

Prof. Asad I. Dajani

Medcare and Saudi German Hospital, Sharjah, United Arab Emirates



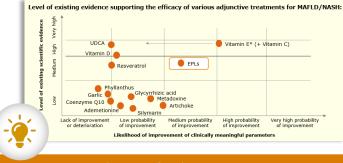
EPL

ALT

AST

Reduction in transaminase levels

- Randomized open label study: Significant reduction in ALT/AST levels in patients regardless of cardiometabolic comorbidities⁴
- Systemic review of meta-analysis of RCTs: Significant reduction in ALT/AST levels in diabetic patients when treated with EPL+AD vs AD alone⁶



EPLs are among the very few hepatoprotective agents which have shown evidence-based, clinically meaningful effects in MAFLD management⁹

• In severe MAFLD and diabetes,

EPL improved hepatic echo-structure, reduced signs of fatty liver and slowed fibrosis⁷

Improvement in liver echogenicity

• **MANPOWER study:** Improved diffuse liver echogenicity independent of the number or type of comorbidities, after 24 weeks of EPL treatment^{6,8}

Key messages

Adjunctive therapy with hepatoprotective treatments is a reliable therapeutic strategy for NAFLD/MAFLD

EPLs are associated with reduced transaminase levels; improved ultrasonography and elastography results; reduced steatosis; reduced disease burden in NAFLD/MAFLD and with favourable safety profile

ALT, alanine aminotransferase; AST, aspartate aminotransferase; DLPC, 1,2 dilinoleoyl-phosphatidylcholine; EPL, essential phospholipid; MOA, mechanism of action; PC, phosphatidyl-choline; PL, phospholipids; PPC, polyenyl-phosphatidyl-choline; MAFLD, metabolic-associated liver disease; NAFLD, non-alcoholic fatty liver disease; Rx, medical prescription; 1. Dajani A, et al. Saudi J Gastroenterol 2016;22:91-105; 2. Gundermann KJ, et al. Pharmacol Rep 2016;3:643-59; 4. Dajani A, et al. Arab J Gastroenterol 2015;16:99-104; 5. Ivashkin VT, et al. Drugs Real World Outcomes 2021;8:369-82; 6. Dajani A, et al. World J Clin Cases 2020;8:5235-49; 7. Sas E, et al. J Hepatol 2013;58:S409-S5666. 8. Maev IV, et al. BMJ Open Gastroenterol 2020;7:e000341; 9. Dajani A, et al. Drugs Ther Perspect 2021;37:249-64

