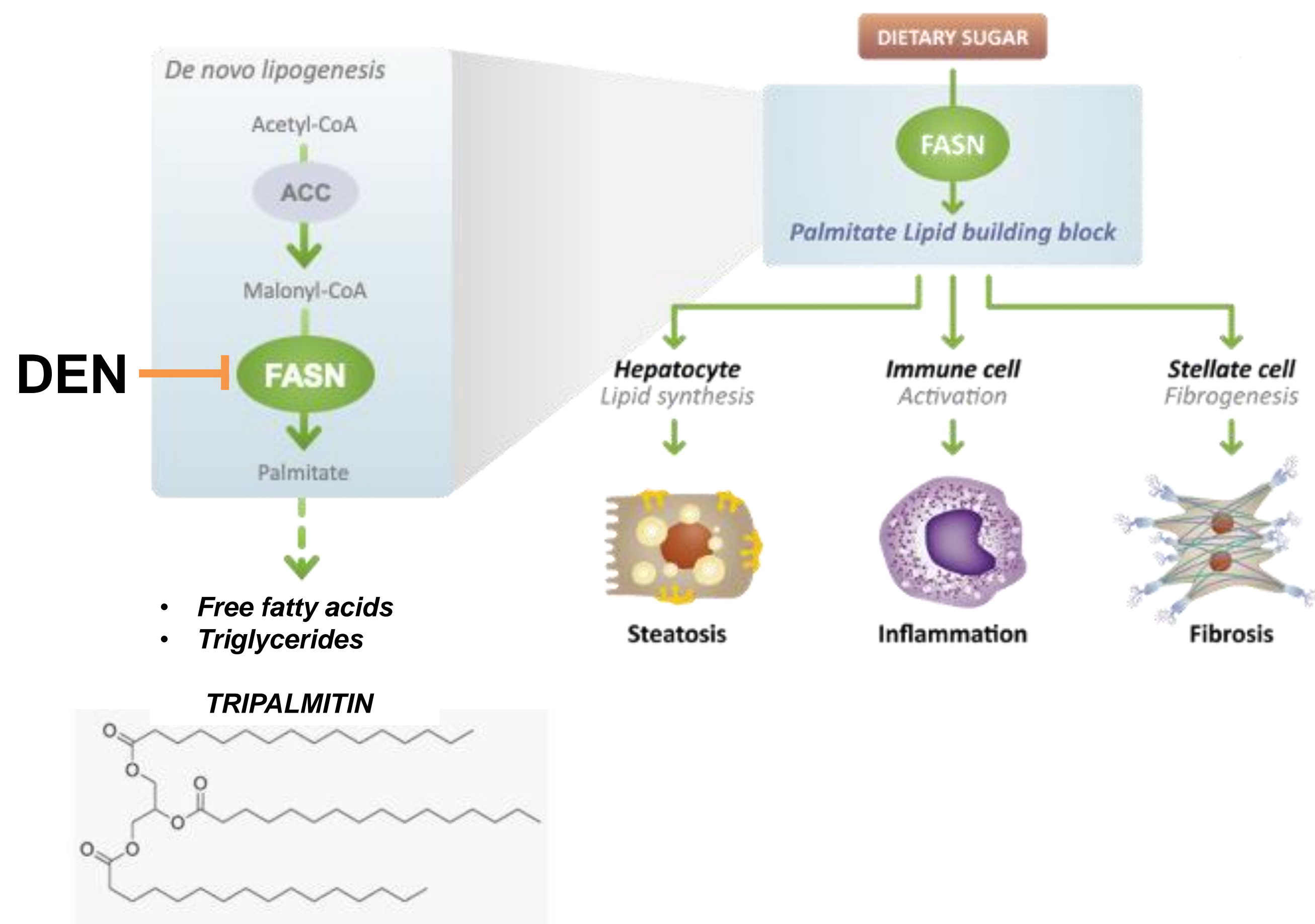


DENIFANSTAT (DEN), A FIRST-IN-CLASS FATTY ACID SYNTHASE (FASN) INHIBITOR, SIGNIFICANTLY REDUCES PLASMA TRIPALMITIN, A MARKER OF DE NOVO LIPOGENESIS, IN NASH PATIENTS IN THE FASCINATE-1 AND FASCINATE-2 CLINICAL STUDIES

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INTRODUCTION

- Fatty acid synthase (FASN) produces palmitate, which is further metabolized producing free fatty acids, lipotoxins and triglycerides including **tripalmitin**
- FASN in NASH patients drives:
 - build up of fat in hepatocytes (steatosis)
 - activation of immune cells (inflammation)
 - activation of stellate cells (fibrogenesis)
- Denifanstat (DEN, TVB-2640) is a potent and selective FASN inhibitor
- DEN inhibits palmitate synthesis and its products, including **tripalmitin**
- DEN reduces steatosis, inflammation and fibrotic pathways



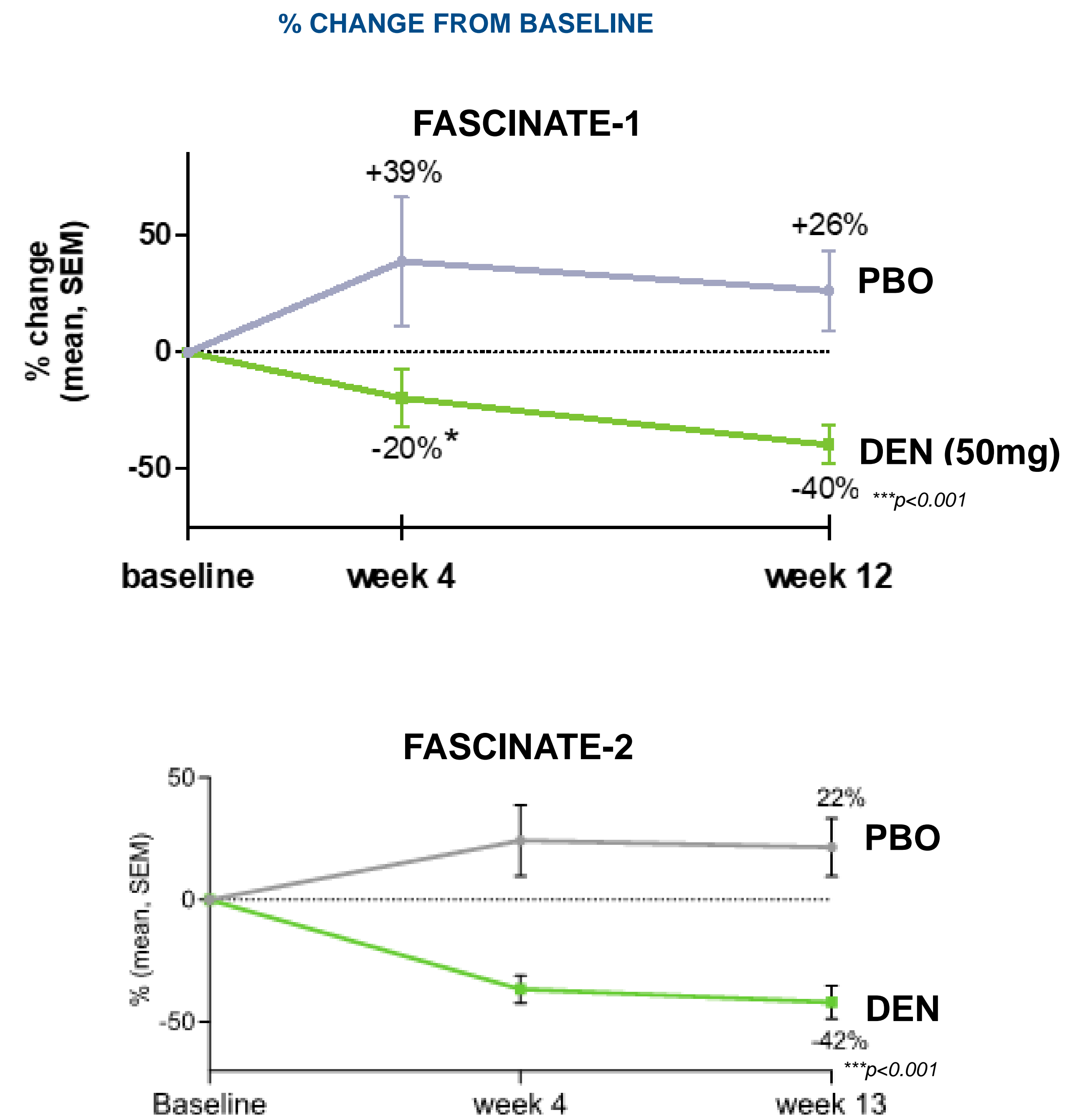
METHODS

- FASCINATE-1.** A completed Ph2a study that enrolled 99 adults 18 years and older with $\geq 8\%$ liver fat assessed by MRI-PDFF, and evidence of liver fibrosis by MRE $\geq 2.5\text{kPa}$ or recent liver biopsy (Loomba, et al, Gastro, 2021).
- FASCINATE-2.** An ongoing Ph2b study that enrolled 168 adults 18 years and older with a screening biopsy showing F2-F3 fibrosis and a NAFLD activity score (NAS) ≥ 4 with a score of at least 1 in each of the following parameters: steatosis, ballooning degeneration and lobular inflammation. Changes in plasma tripalmitin after 4 and 13 weeks of dosing were measured in the first 52 patients on study with a baseline MRI-PDFF of $\geq 8\%$ liver fat; 54% had F3 fibrosis.

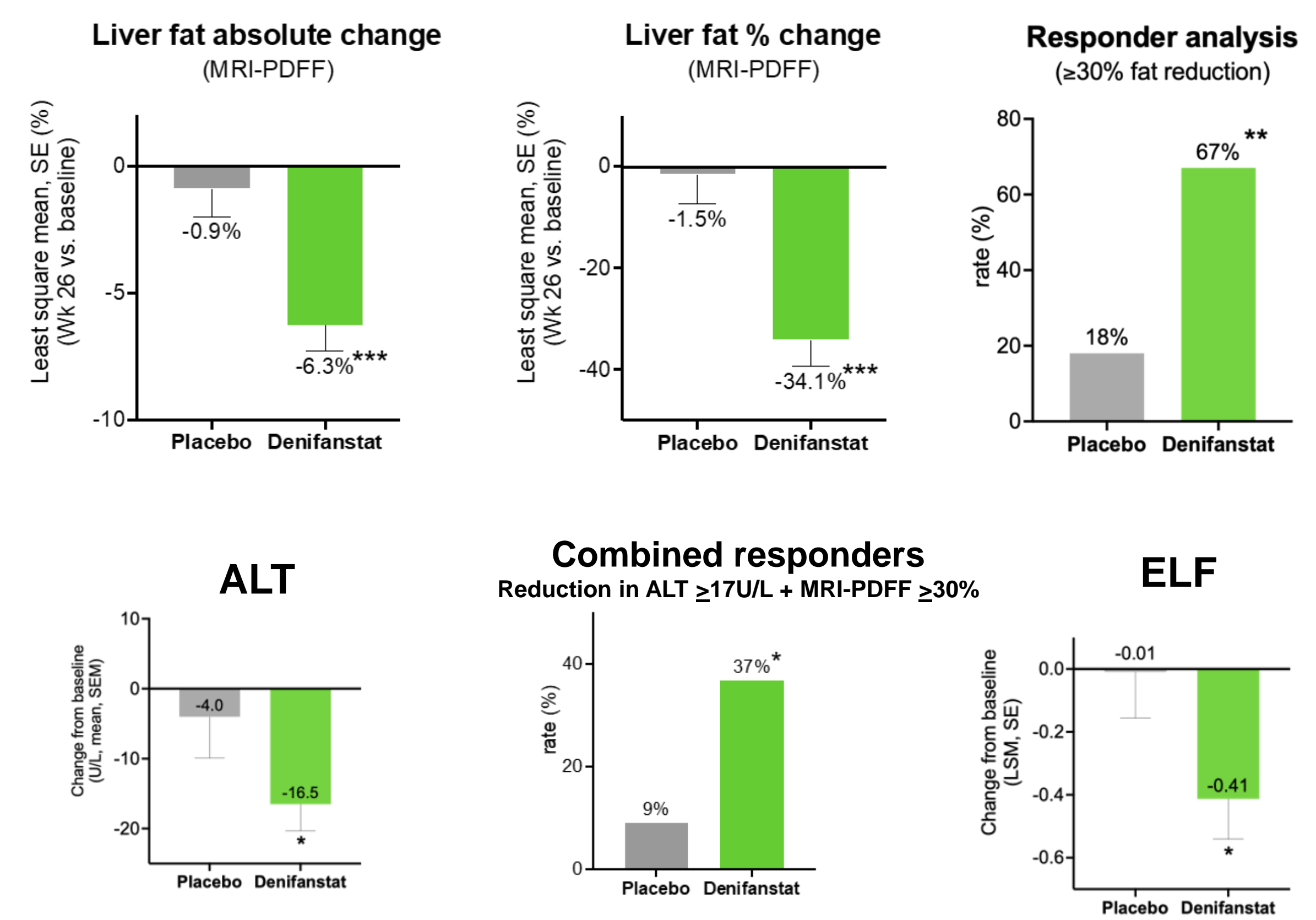
KEY DEMOGRAPHICS

Median (Q1,Q3)	FASCINATE-1			FASCINATE-2 (Interim cohort)	
	Placebo (n=31)	25mg (n=33)	50mg (n=35)	Placebo (n=22)	50mg (n=30)
Age, y	52(46,58)	58(53, 62)	55(44,62)	58 (9.4)	56.1 (12.4)
Male, n (%)	14 (45.2)	18 (54.5)	22 (62.9)	8 (36.4)	13 (43.3)
T2D, n (%)	17 (54.8)	25 (75.8)	13 (37.1)	13 (59.1)	21 (70.0)
BMI (kg/m ²)	31.2 (29.3,35.1)	34.0 (29.7,38.1)	32.8 (29.6,35.2)	35.1 (30.1,37.3)	33.4 (31.1, 37.0)
ALT (U/L)	25 (16,46)	28 (23,36)	29 (24,43)	56 (44, 78)	48 (37, 74)
AST (U/L)	21 (15,30)	21 (17,26)	23 (20,30)	36 (27, 70)	35 (26, 57)
MRI-PDFF (%)	15.3 (11.8,22.2)	14.3 (10.4,22.3)	15.8 (12.3,19.6)	22.1 (17.5, 27.1)	16.6 (12.9, 20.8)

DEN REDUCES PLASMA TRIPALMITIN – ACROSS STUDIES



DEN INHIBITION OF FASN REDUCES LIVER FAT AND MARKERS OF INFLAMMATION & FIBROSIS - FASCINATE-2 INTERIM ANALYSIS (26 WEEKS)



*p<0.05, **p<0.01, ***p<0.001

- No treatment related SAEs
- Majority of AEs mild to moderate (Grade 1/2)

CONCLUSIONS

- DEN inhibits FASN in NASH patients – measured by decreased tripalmitin
- Tripalmitin levels are reduced 4 weeks of treatment – continued decreases observed out to 12-13 weeks
- DEN reduces liver fat, liver enzyme, and ELF in biopsy-proven advanced NASH patients (46% F2 / 54% F3)