Type III collagen
Collagen matrix
Lipid globule/steatosis
Stellate & Kupffer cell activation, angiogenesis

IMBALANCE OF GUT MICROBIOTA - DYSBIOSIS
Increased LPS
Altered levels of SCFAs (butyrate/propionate/acetate), incretins
TMA/cresol/indole
Increased LPS,
Increased levels of SCFAs (butyrate/propionate/acetate), incretins
TMA/cresol/indole
Lipid globule/steatosis

ACTIVATED PLATELETS

Unhealthy calorie-dense, fibre-poor diet
Poor colonic epithelial health and integrity

Serum PIIINP
Serum PRO-C3

A PRO-C3-based diagnostic score (ADAPT) for advanced fibrosis

Figure

NASH

Increased ethanol
Altered levels of SCFAs (butyrate/propionate/acetate), incretins
TMA/cresol/indole

LPS

Release of growth factors, cytokines & chemokines

Antiplatelet agents e.g. COX-1 inhibitors/P2Y12 inhibitors

TLR-4

HCC

LOS OF TIGHT JUNCTION COHESION

Poor satiety: increased glucose/fat