

Adipose-derived factors and diabetes-related factors
e.g. long-chain fatty acids, pro-inflammatory cytokines, decreased adiponectin, hyperglycemia, growth differentiation factor-15

Intestine-derived factors
e.g. diet (fructose), dysbiosis, endogenous alcohol production, modified bile acids, trimethylamine oxide, LPS, aromatic acid metabolites, p-cresyl sulphate, indoxyl sulphate, short-chain fatty acids, incretins

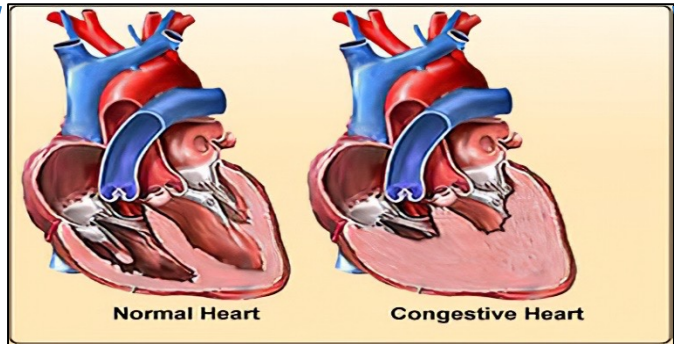
NAFLD

**Steatosis
NASH
Liver fibrosis
& NAFLD-related Genotypes**
(e.g. *PNPLA3*, *TM6SF2*)

Genetic factors and thrombogenic molecules
e.g. fibrinogen, transforming growth factor-beta, plasminogen activator inhibitor-1

Insulin resistance and related disorders, activated RAAS
e.g. atherogenic dyslipidemia, hypertension, diabetes/prediabetes, chronic inflammation, noradrenaline

Proinflammatory and oxidative stress factors
e.g. interleukin-1 beta, interleukin-6, tumor necrosis factor-alpha, C-reactive protein, reactive oxygen species



Coronary microvascular dysfunction, cardiac remodeling (LV dysfunction or hypertrophy/fibrosis), cardiac autonomic dysfunction, CHD, certain arrhythmias

Heart failure

