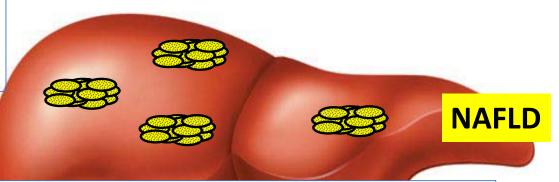


Pre-natal

Gestational obesity Gestational diabetes High fat diet during pregnancy



- Hepatocyte injury (inflammation, fibrosis)
- Increased DNL (increased KHK, & activation of SREBP 1c & ChREBP)
- Mitochondria dysfunction (electron transport chain dysfunction)



Post-natal factors

Obesity
High dietary
fructose/carbohydrate/fat
consumption
Adolescent insulin
resistance/hyperinsulinaemia