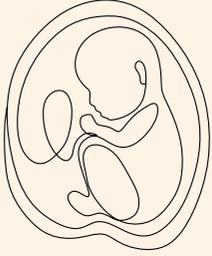


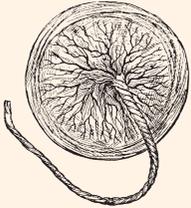
## Embryonic/Fetal impacts



Epigenetic changes  
Altered imprinted gene  
expression  
Miscarriage  
Congenital  
abnormalities

Physiological stress  
Fetal Growth Restriction  
Preterm birth  
Stillbirth  
Risk of adult-onset chronic diseases

## Placental changes



Implantation failure  
ER stress  
Protein mis-folding  
Epigenetic changes  
Mitochondrial  
dysfunction

Reduced blood flow  
Reduced size and function  
Reduced transporters and metabolic proteins  
Oxidative stress  
HSP abundance  
Pro-inflammatory cytokine release



1ST TRIMESTER

2ND TRIMESTER

3RD TRIMESTER

