Pesticide exposure

Mechanisms of action:
- Direct damage to the structure of cells
- Interference with biochemical processes necessary for normal cell function
- Biotransformation resulting in toxic metabolites

- Effect on fertility

- Spontaneous abortion
- Stillbirths
- Premature birth

- Low birth weight
- Developmental defects

- Disruption of hormonal function:
  - Interference with hormone synthesis
  - Interference with hormone release and storage
  - Interference with hormone transport and clearance
  - Interference with hormone receptor recognition and binding
  - Interference with hormone postreceptor activation
  - Interference with the thyroid function
  - Interference with the central nervous system

- Effect on reproductive system:
  - Changes in hormone levels
  - Ovarian cycle irregularities
  - Impaired fertility

- Spontaneous abortion?
- Premature birth?
- Developmental defects?