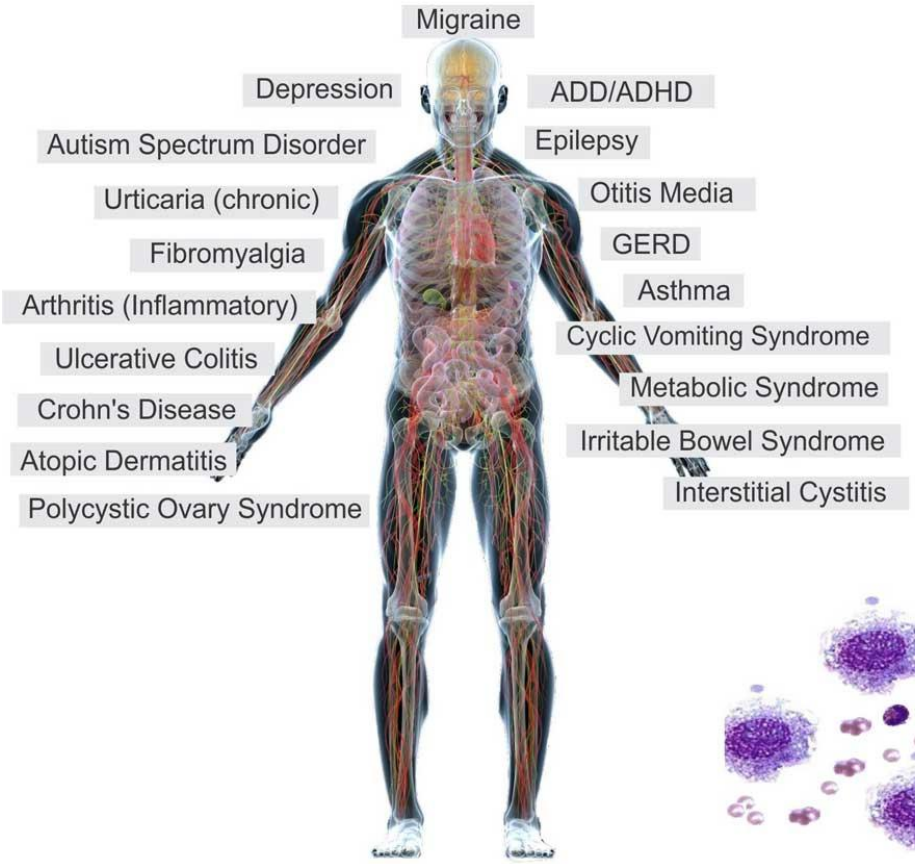
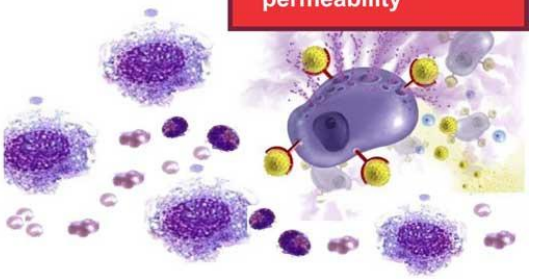
Triggering Mechanisms
- Food antigens
- Food chemicals
  - Haptens
  - Amines
  - Pharmacologic
- Immune Complexes
  - IgG
  - IgA
  - IgM
- Lectins

Cellular Activation
- Lymphocytes
  - Sensitized T-cells
  - T-Cells
  - NK Cells
  - K Cells
- Eosinophils
- Basophils
- Monocytes
- Neutrophils

Mediator Release
- Cytokines
  - Interleukins
  - Chemokines
  - TNFs
  - Interferons
- Leukotrienes
- Histamine
- ECP, MPE, Amines
- Prostaglandins
- Others



Pathophysiologic Effects
- **Inflammation**
  - **Subclinical**
  - **Clinical**
- **Tissue damage**
- **Pain receptor activation**
- **Smooth muscle contraction**
- **Edema**
- **Excess mucous**
- **Neurological**
- **Endocrine**
- **Increased gut permeability**