Localized Type III hypersensitivity

Tissue damage at sites of immune complex deposition in joints, kidneys

Immune complex-mediated hypersensitivity

Vasculitis

Tissue damage

Neutrophil

Humoral response

Mass cell

Basement membrane

High amount of Ab

Direct injury by neutrophils

Complement activation

Lysis of neutrophils

Immune complex deposition

Localized reaction
**Generalized Type III Reaction**

Injection of serum → Arthritis

**Autoimmune Diseases**
- SLG
- RA

**TDTI-mediated hypersensitivity (Type IV)**

Prickened oak (Toxicodendron radicans) → Pentaacatechol

Skin

Self-protein → Sensitized T\textsubscript{H}1

IFN\gamma

Langerhans cell (APC) → MIF

Lyric enzymes

Tissue macrophage

Monocyte