Topics

• Type I hypersensitivity
• Type II hypersensitivity

Type I hypersensitivity

• Immediate IgE –mediated
• Localized anaphylaxis
• General anaphylaxis
• Immunotherapy
Figure 18.1 - Immediate IgE – mediated

Figure 18.2 Localized anaphylaxis
Generalized anaphylaxis

- Antigens become widespread
- Shock (reduced blood pressure)
- Ex. Bee stings, peanuts and penicillins

Figure 18.3
Immunotherapy
Type II hypersensitivity

- Cytotoxic
- Transfusion reactions
- Hemolytic diseases

Cytotoxic

- Complement lysis
- Antibody – dependent cellular cytotoxicity (ADCC)
Table 18.2 - Transfusion reactions

Figure 18.4 Hemolytic disease