



## CIU: Advanced

- ☐ Hives: migratory, last hours
- ☐ Mediators
  - ☐ Mast cells: Histamine, prostaglandins, leukotriene
  - ☐ Complement anaphylatoxins (C3a, C4a, C5a), ?Basophils
- □ With or without angioedema
- □ Differential dx: infection, hereditary angioedema (no hives), nsaids/drugs, foods, mastocytosis, physical urticarias, autoimmune disorders (SLE, etc.)

# Research Questions