Negative surface exposed by trauma or unknown precipitants

Kallikrein

Prekallikrein

Kallikrein stimulates C5a release

Kallikrein

HMWK

Bradykinin

Edema Fluid extravasation Pain

CLASSICAL

Antigen: antibody complex

C1q/C1r/C1s

C1/C4

C4bC2

C4b2a Classical C3 convertase

C4b2a3b C5 convertase

C5b-9 Membrane attack complex

Cytokine release:
IL-1α, TNF-α, IL-6, IL-8
Neutrophil recruitment

LECTIN

MBP

MASPs 1-3

ALTERNATIVE

Polysaccharides endotoxin

C3

C3bBbP

Alternative C3 convertase

C3bBbC3b

C5 convertase

C5a

C5b

C6-9

Primary effect
Secondary effect
Inhibited by C1-INH