

PATOGENESIS INFLAMASI & ATEROSKLEROSIS



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ATEROSKLEROSIS



- **MEKANISME PENYEBAB**
 1. REAKSI INFLAMASI
 2. DISFUNGSI ENDOTEL
 3. KELAINAN KOAGULASI



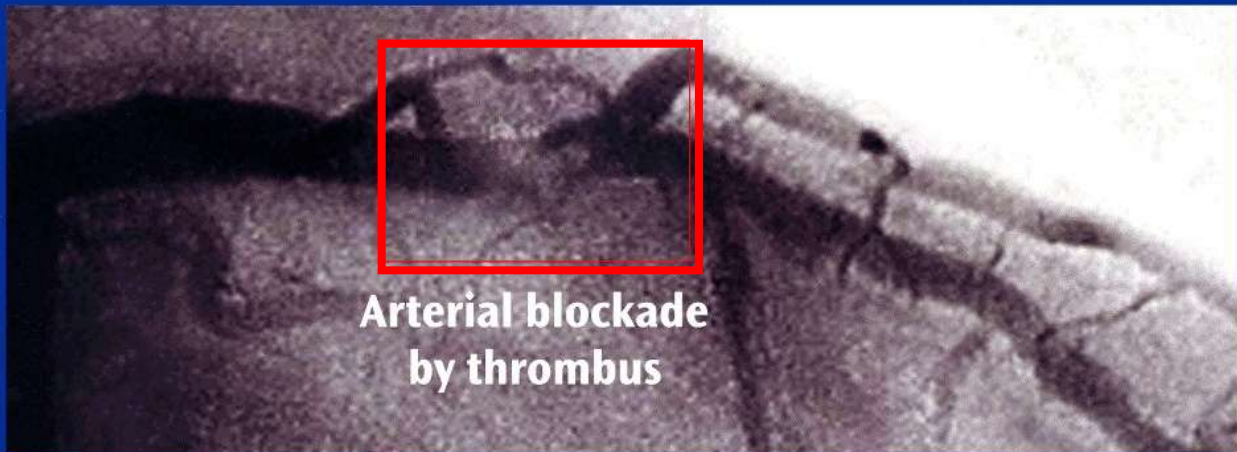
Small plaques – underestimated risk in CHD

CHD-patient with small plaques: no intervention



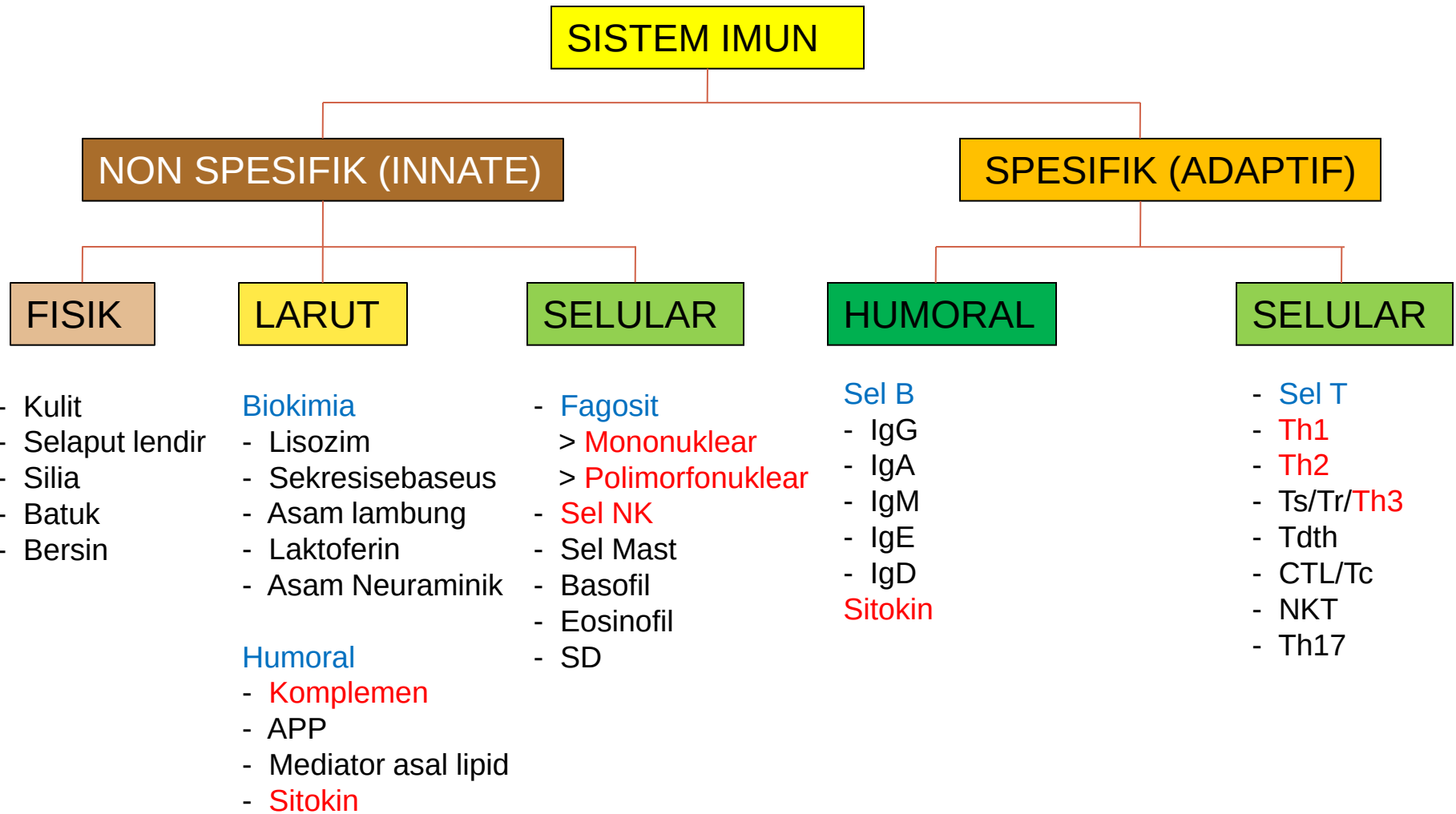
3 months later:

Acute MI caused by plaque rupture with thrombus formation



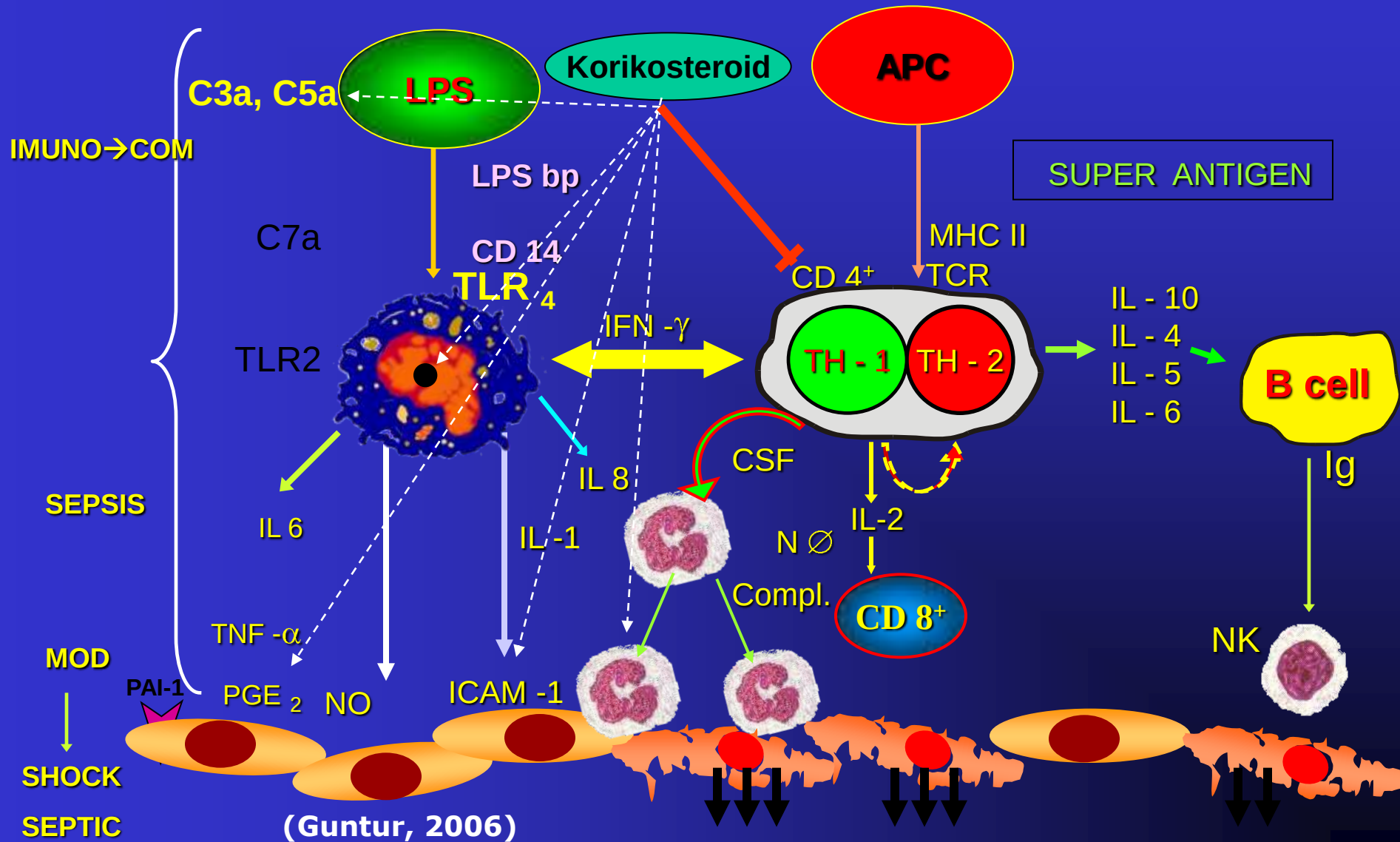


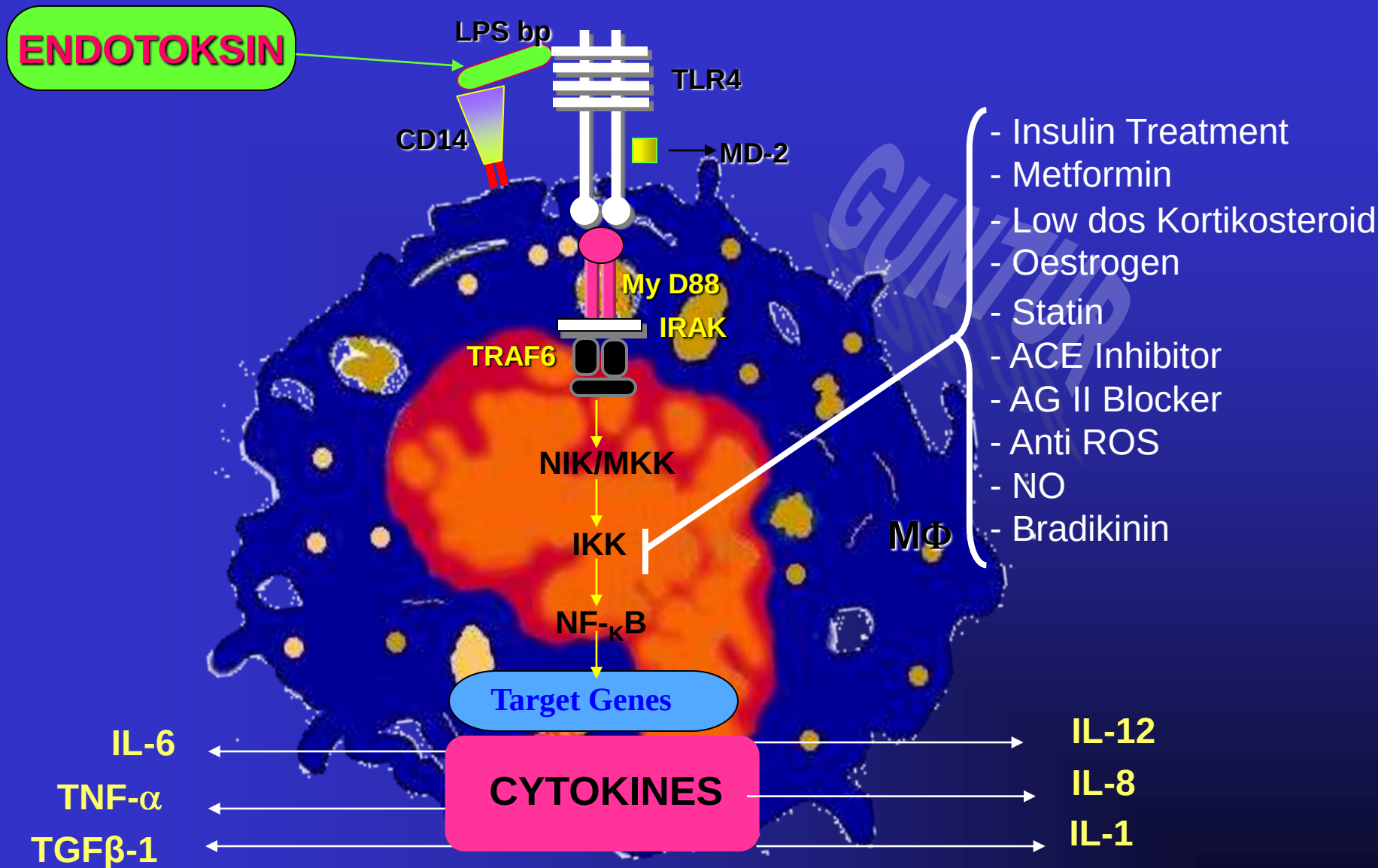




Gambaran umum sistem imun

Imunopatogenesis





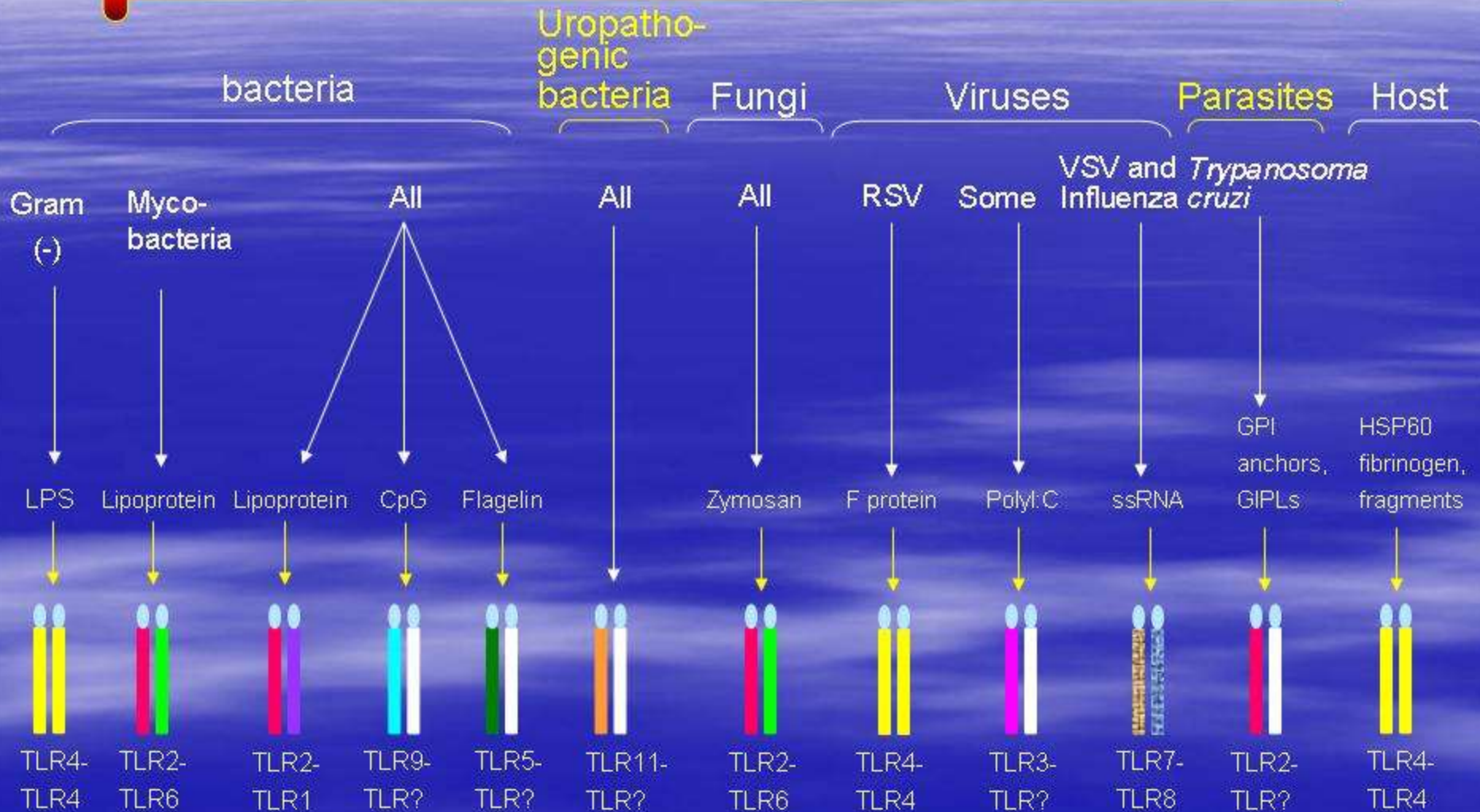
Guntur, 2008;Sepsis Forum

Toll Like Reseptor

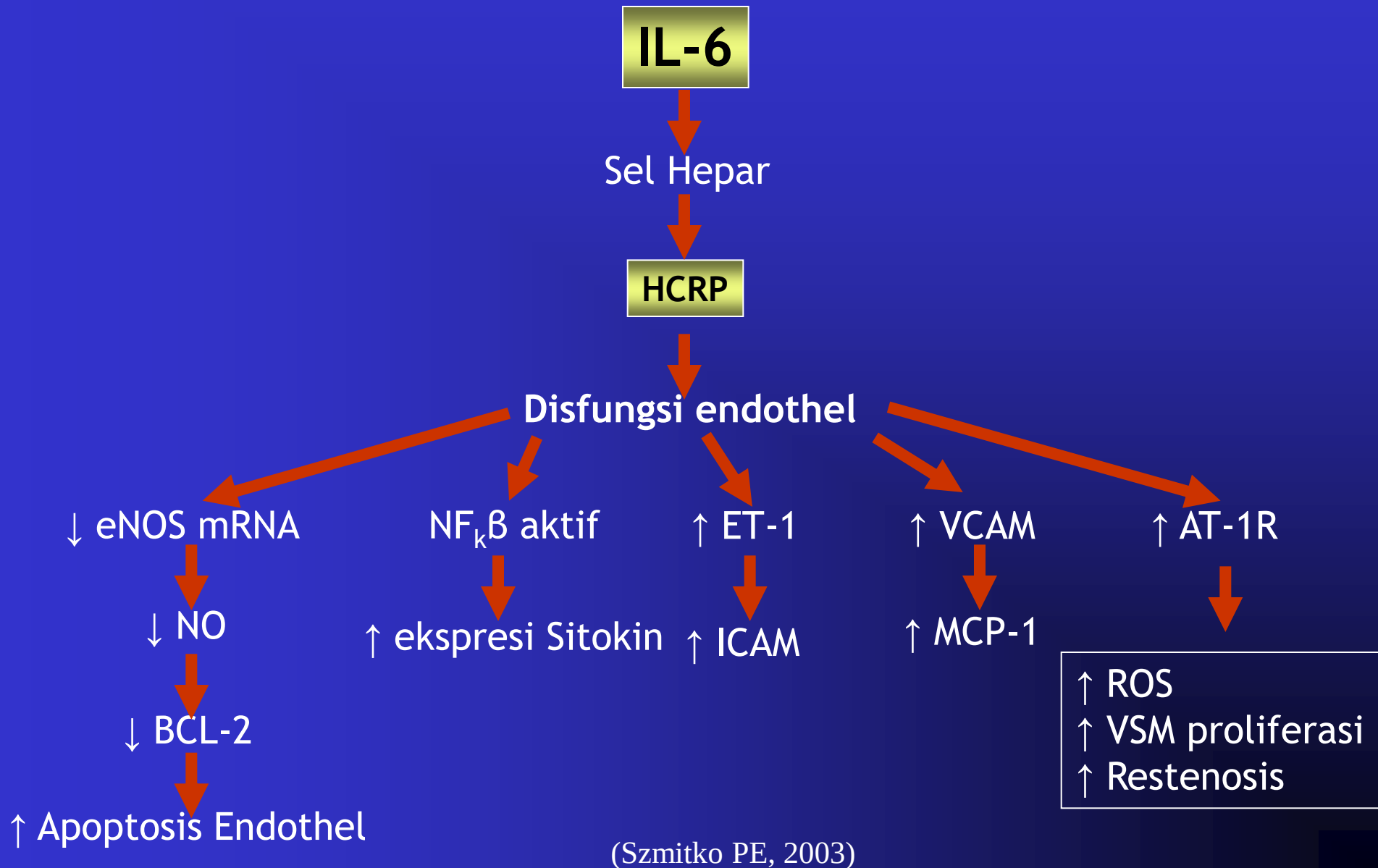


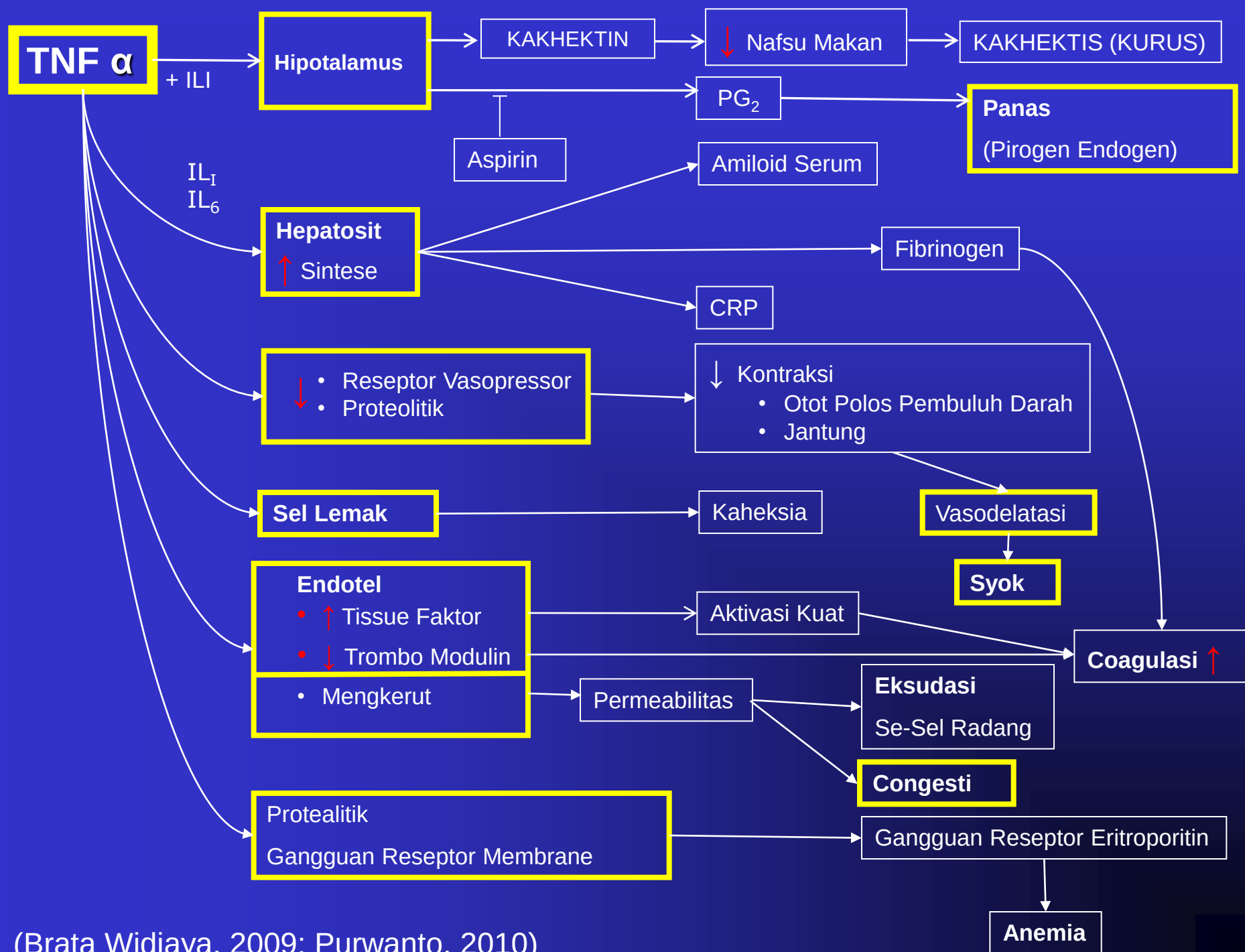
Figure 2-13 Immunobiology, 6/e. (© Garland Science 2005)

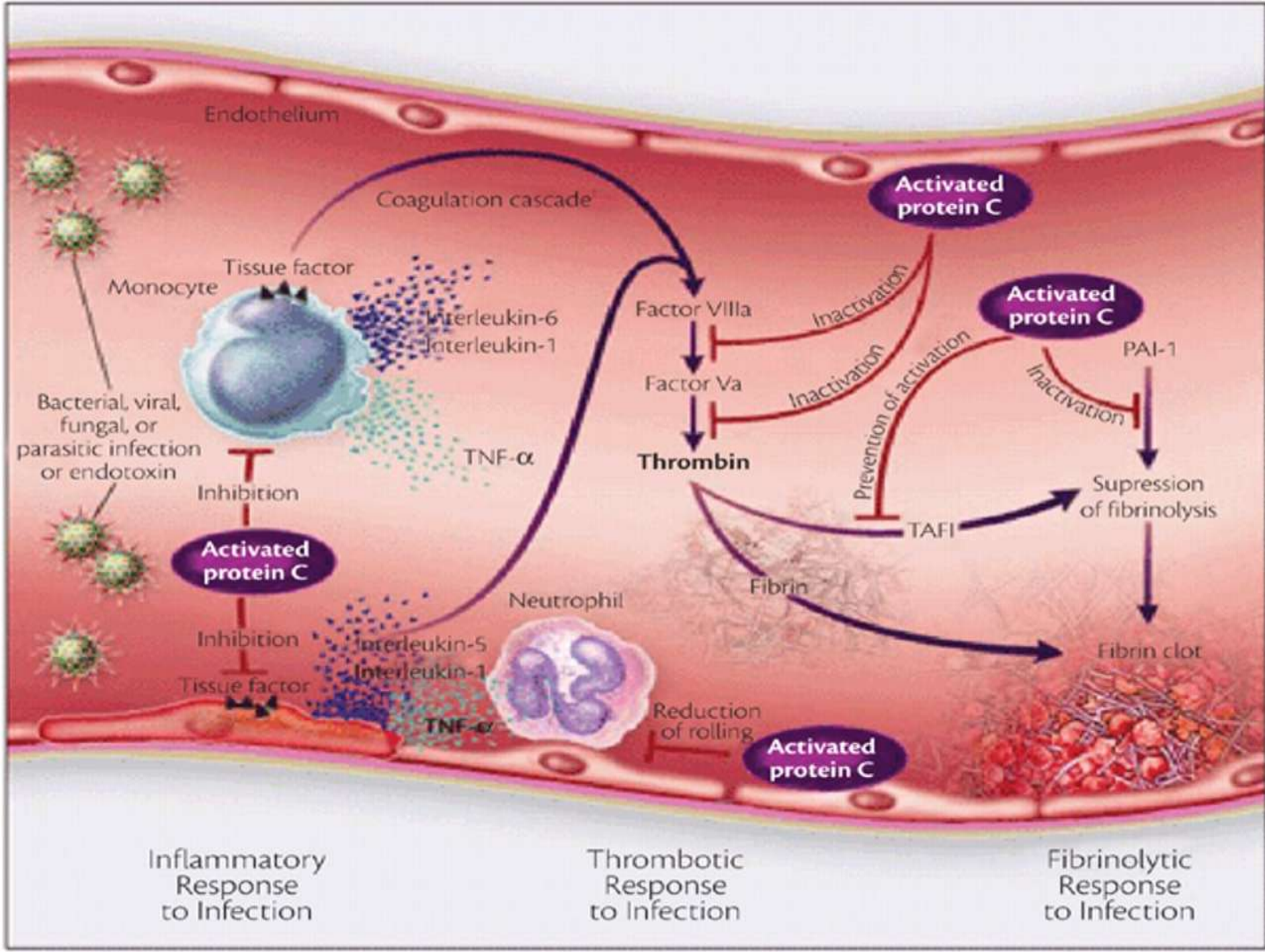
Toll-like receptors recognize a range of pathogen-derived products



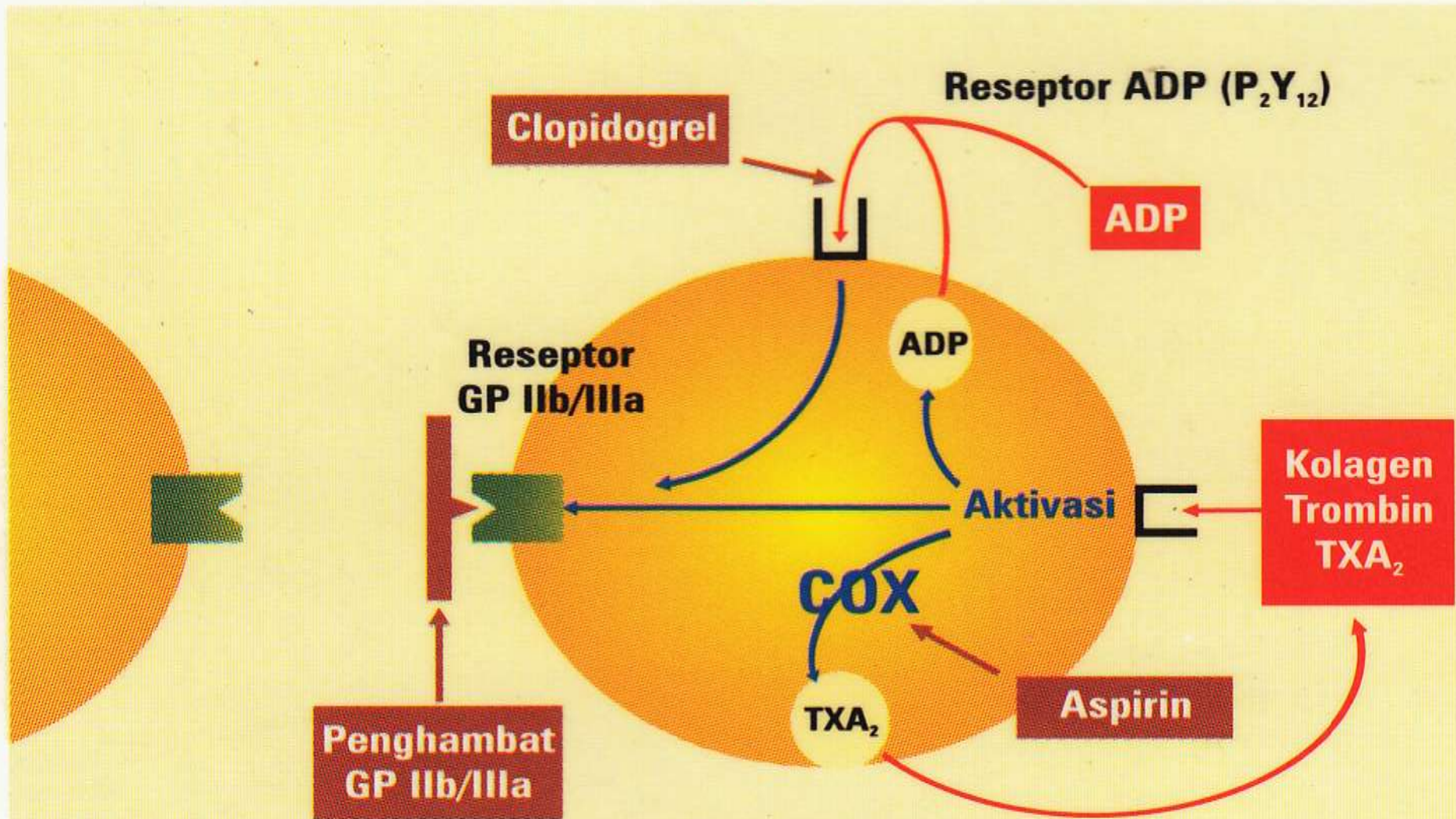
Kemampuan Memprediksi HCRP Terhadap Morbiditas dan Mortalitas Kejadian Kardiovaskuler







Mekanisme kerja Clopidogrel



ADP = Adenosin difosfat ; **GP IIb/IIIa** = Glikoprotein IIa/IIIb ;
TXA₂ = Tromboksan A₂ ; **COX** = Siklooksigenase

Patogenesis Komplikasi Hipertensi

Hipertensi kronis

Stressor endotel

Ekspresi

TNF α

IL1 β

IL6

TGF β 1

Apoptosis

Plag

Nekrosis

HCRP

Fibrosis

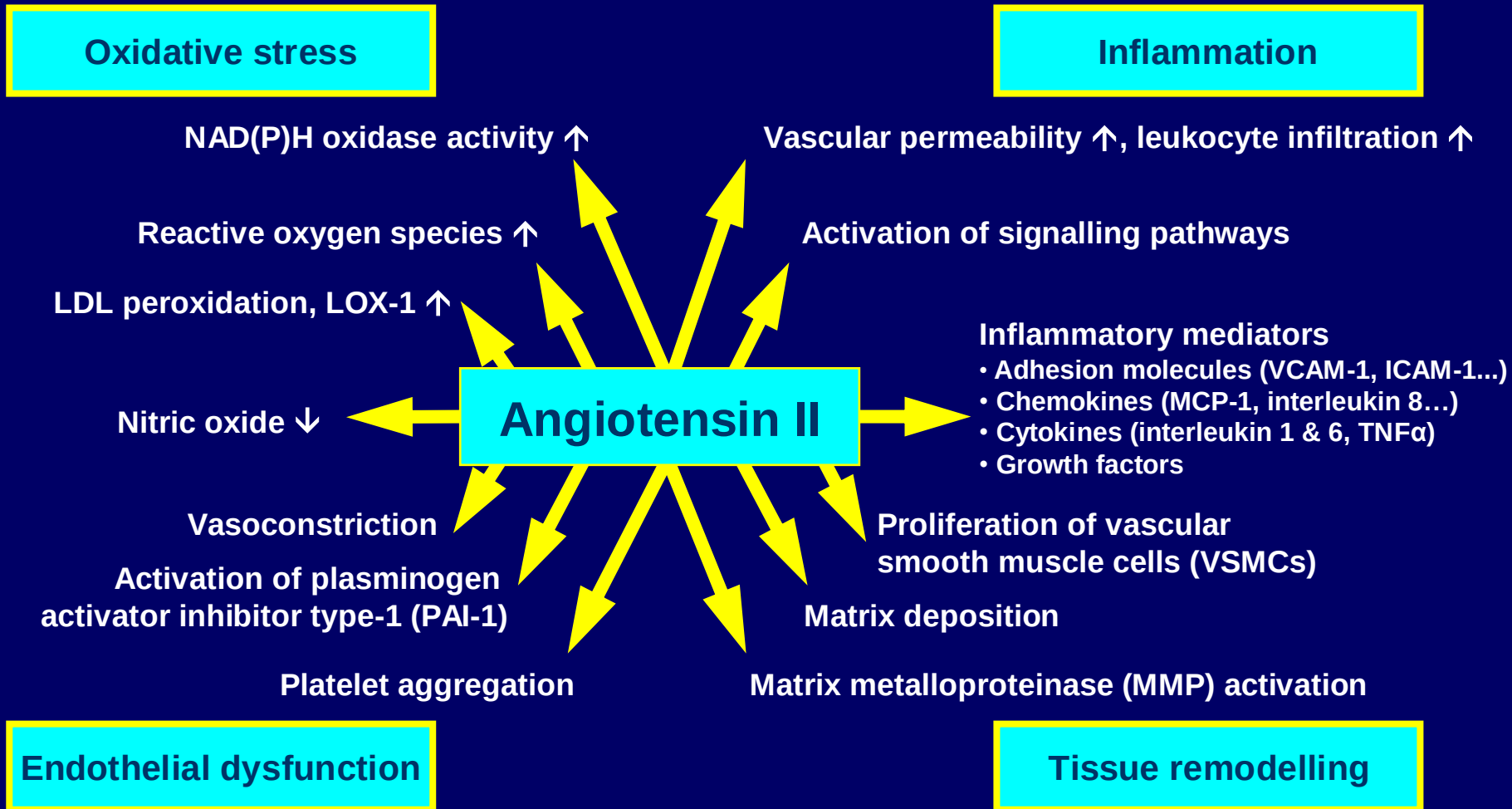
Aterosklerosis

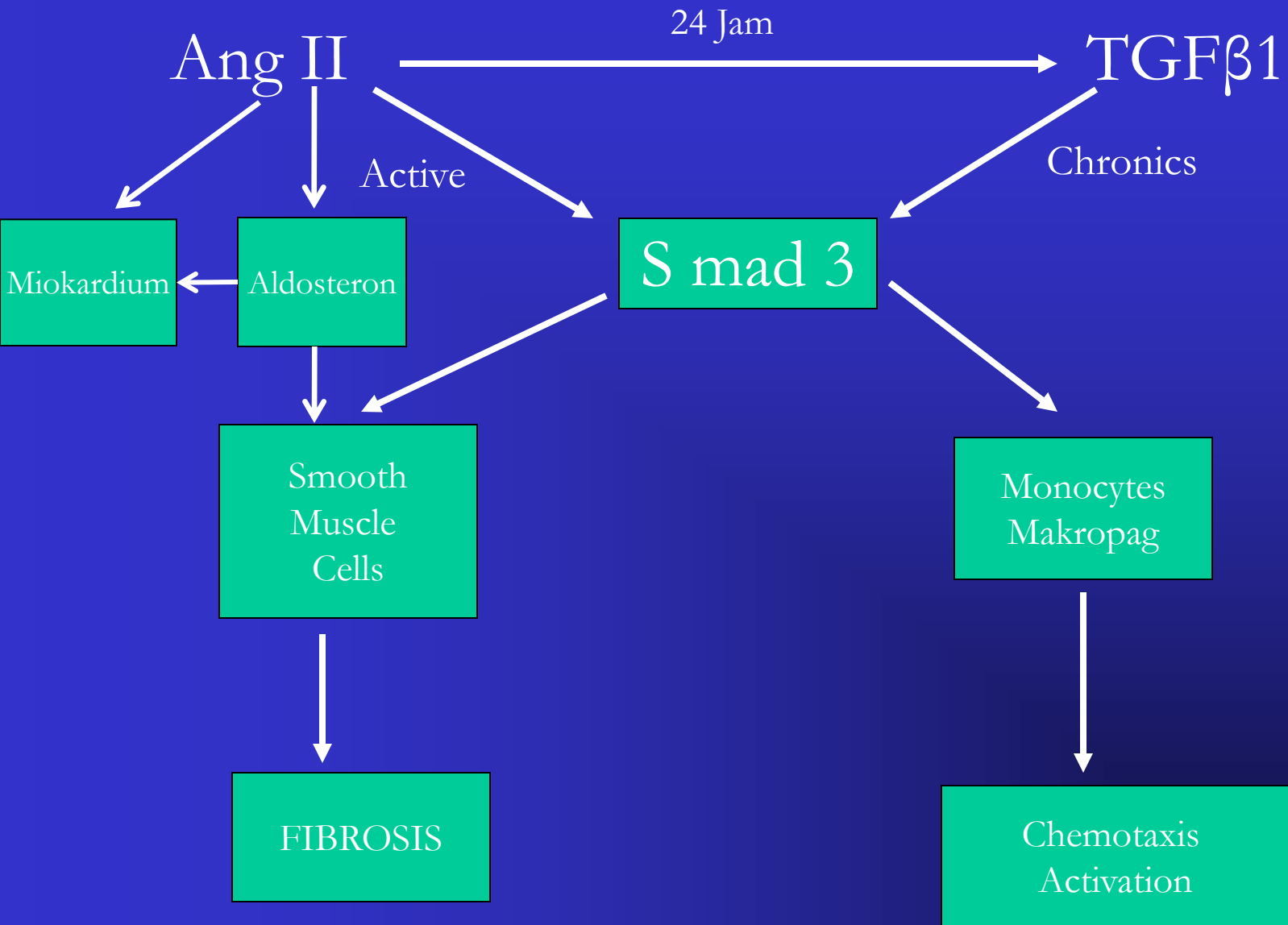
Gagal ginjal

Jantung koroner

Cerebral
- Stroke
- Demensia
- Parkinson

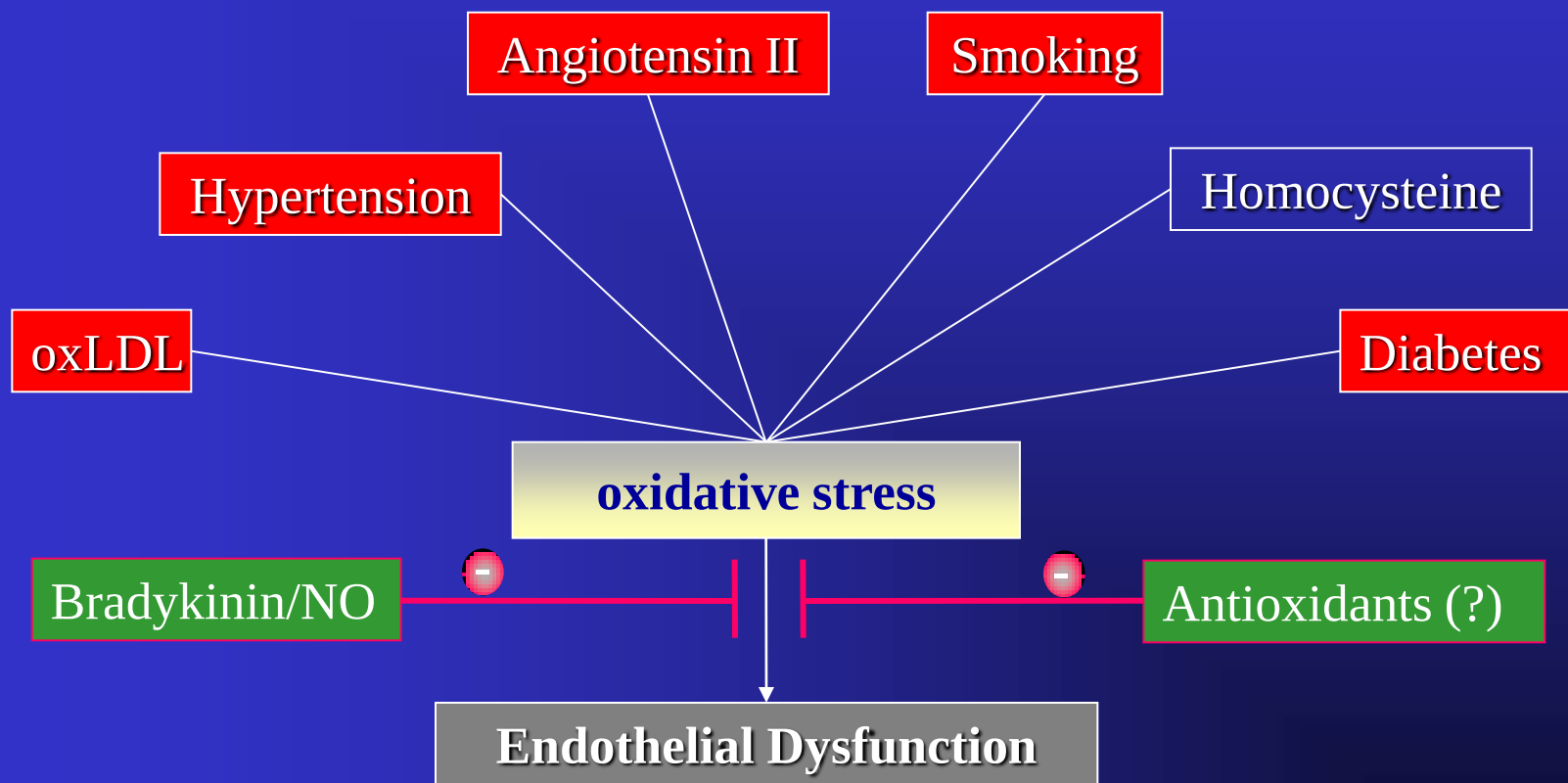
Angiotensin II plays a central role in atherosclerosis

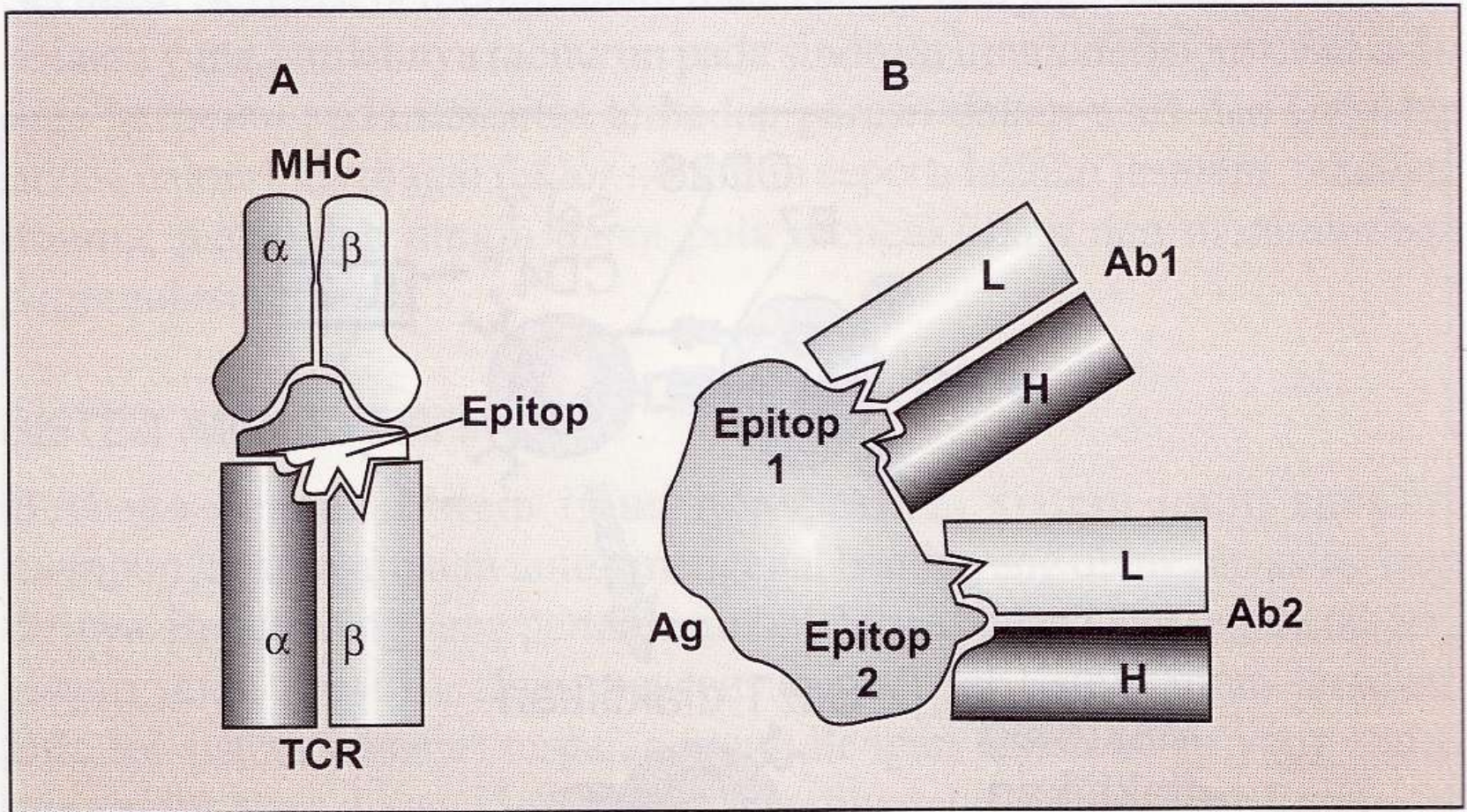




Mekanisme Fibrosis

CV Risk Factors And Endothelial Dysfunction





Gambar 9. Epitop

(Karnen GB, Iris R;2006)