

METABOLIC SYNDROME



Lipoproteins

High amount of Small dense LDL
Low HDL level
Oxidation stress

Adipokines

↓ Adiponectin
↑ Resistin
↑ Leptin

Proinflammatory state

↑ Interleukin-6
↑ TNF- α
↑ CRP

Prothrombotic state

PAI-1



Cardiopulmonary Bypass



Inflammation
Cytokines
Free radicals