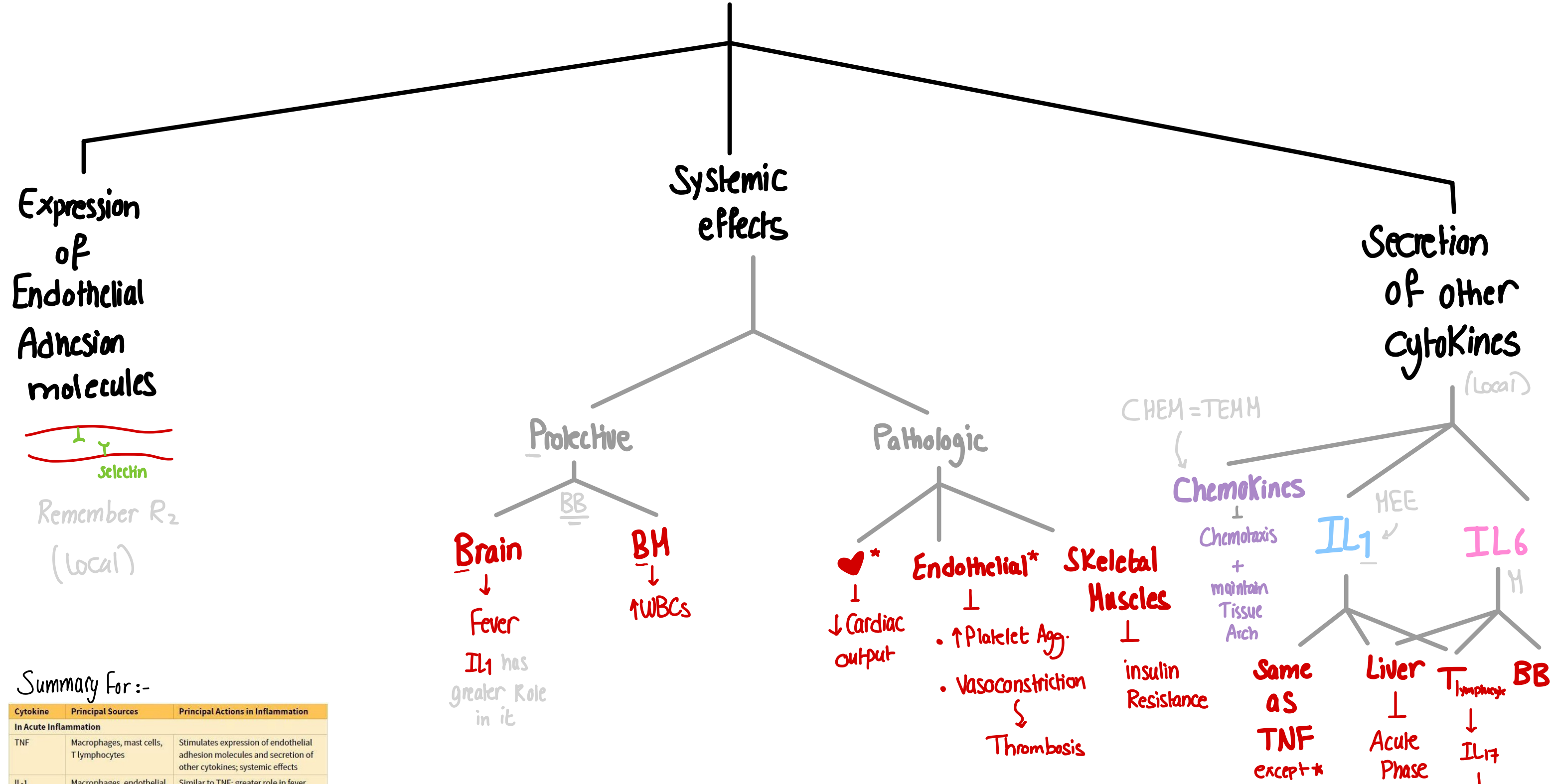
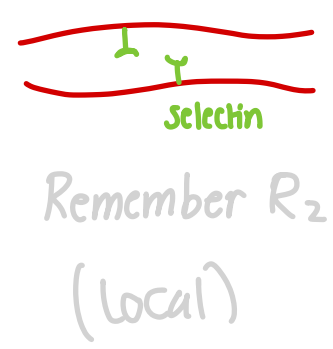


اللهم لا سهل إلا ما جعلته سهلا، وأنت تجعل الحزن والصعب إذا شئت سهلا

TNF ^{TMM}

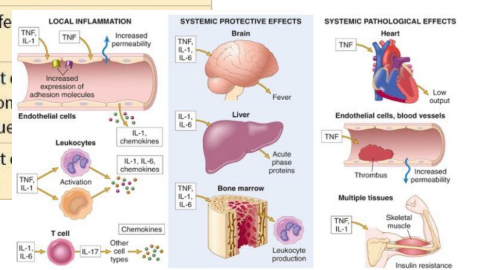


Expression of Endothelial Adhesion molecules



Summary For :-

Cytokine	Principal Sources	Principal Actions in Inflammation
In Acute Inflammation		
TNF	Macrophages, mast cells, T lymphocytes	Stimulates expression of endothelial adhesion molecules and secretion of other cytokines; systemic effects
IL-1	Macrophages, endothelial cells, some epithelial cells	Similar to TNF; greater role in fever
IL-6	Macrophages, other cells	Systemic effect (response)
Chemokines	Macrophages, endothelial cells, T lymphocytes, mast cells, other cell types	Recruitment inflammation normal tissue
IL-17	T lymphocytes	Recruitment monocytes



TMM : T Lymphocyte, Macrophage, Mast
 TEMM : T Lymphocyte, Endothelial, Macrophage, Mast
 MEE : Macrophage, Endothelial, Epithelial
 M : Macrophage

MN