

Best OF Luck !

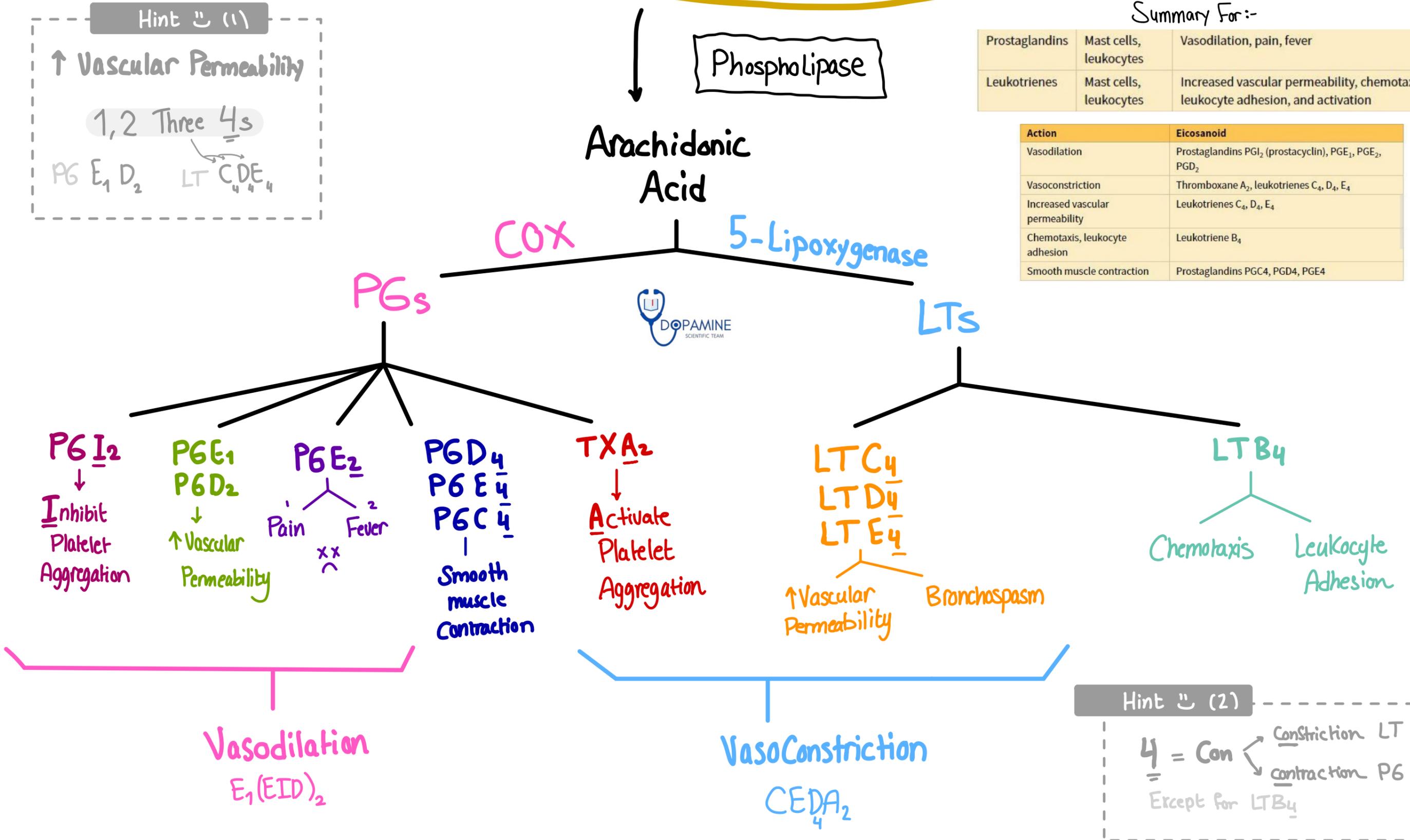
MAST / LEUKO

Hint ☺ (1)
 ↑ Vascular Permeability
 1, 2 Three 4s
 PG E₁ D₂ LT C₄ D₄ E₄

Summary For:-

Prostaglandins	Mast cells, leukocytes	Vasodilation, pain, fever
Leukotrienes	Mast cells, leukocytes	Increased vascular permeability, chemotaxis, leukocyte adhesion, and activation

Action	Eicosanoid
Vasodilation	Prostaglandins PGI ₂ (prostacyclin), PGE ₁ , PGE ₂ , PGD ₂
Vasoconstriction	Thromboxane A ₂ , leukotrienes C ₄ , D ₄ , E ₄
Increased vascular permeability	Leukotrienes C ₄ , D ₄ , E ₄
Chemotaxis, leukocyte adhesion	Leukotriene B ₄
Smooth muscle contraction	Prostaglandins PGC ₄ , PGD ₄ , PGE ₄

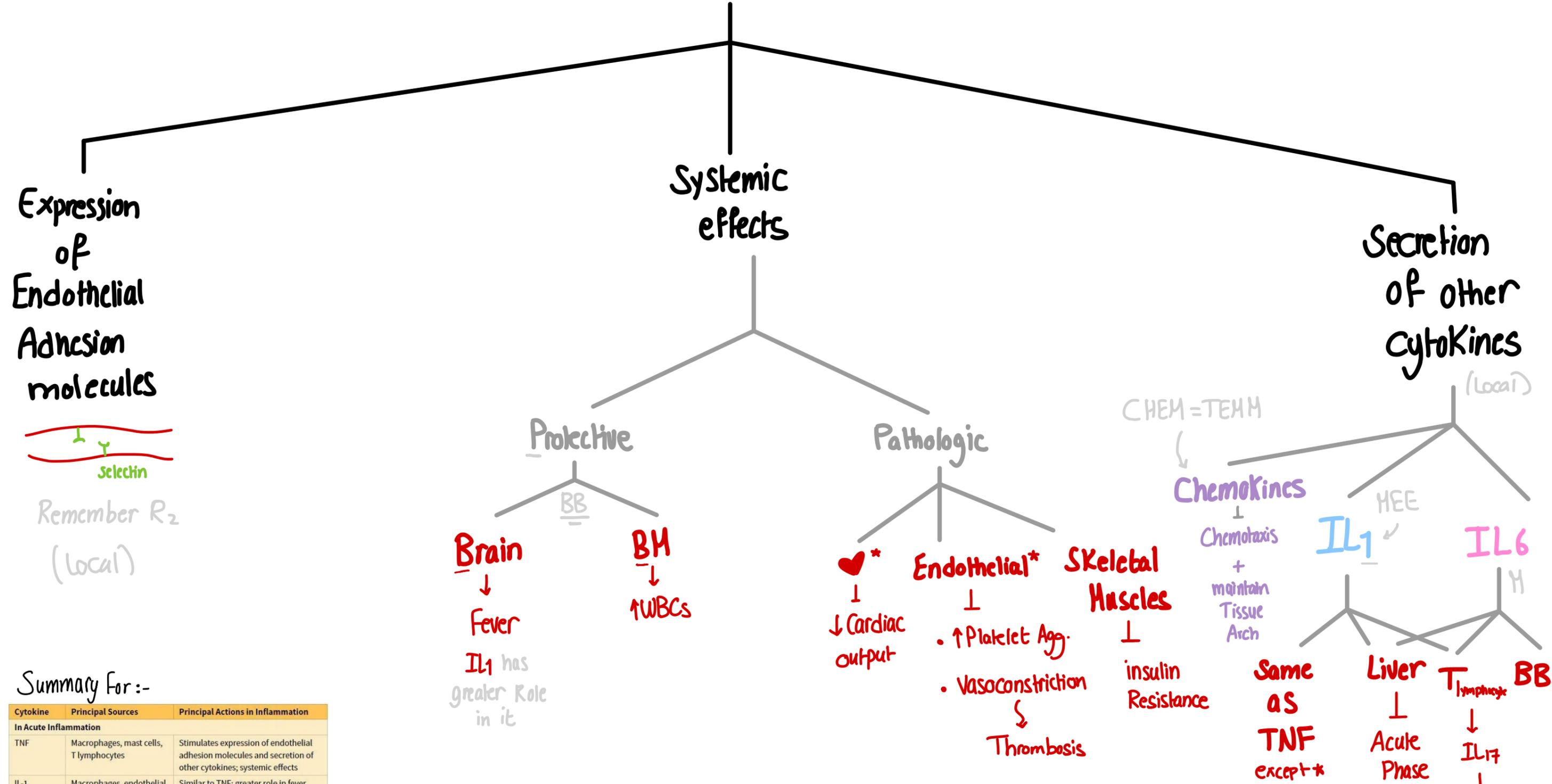


Hint ☺ (2)
4 = Con → Constriction LT
4 = Con → Contraction PG
 Except for LTB₄



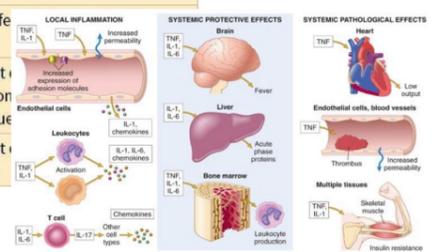
اللهم لا سهل إلا ما جعلته سهلا، وأنت تجعل الحزن والصعب إذا شئت سهلا

TNF ^{TMM}



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 effects (response)
Chemokines	Macrophages, endothelial cells, T lymphocytes, mast cells, other cell types	Recruitment of inflammation normal tissue
IL-17	T lymphocytes	Recruitment of monocytes



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

MN