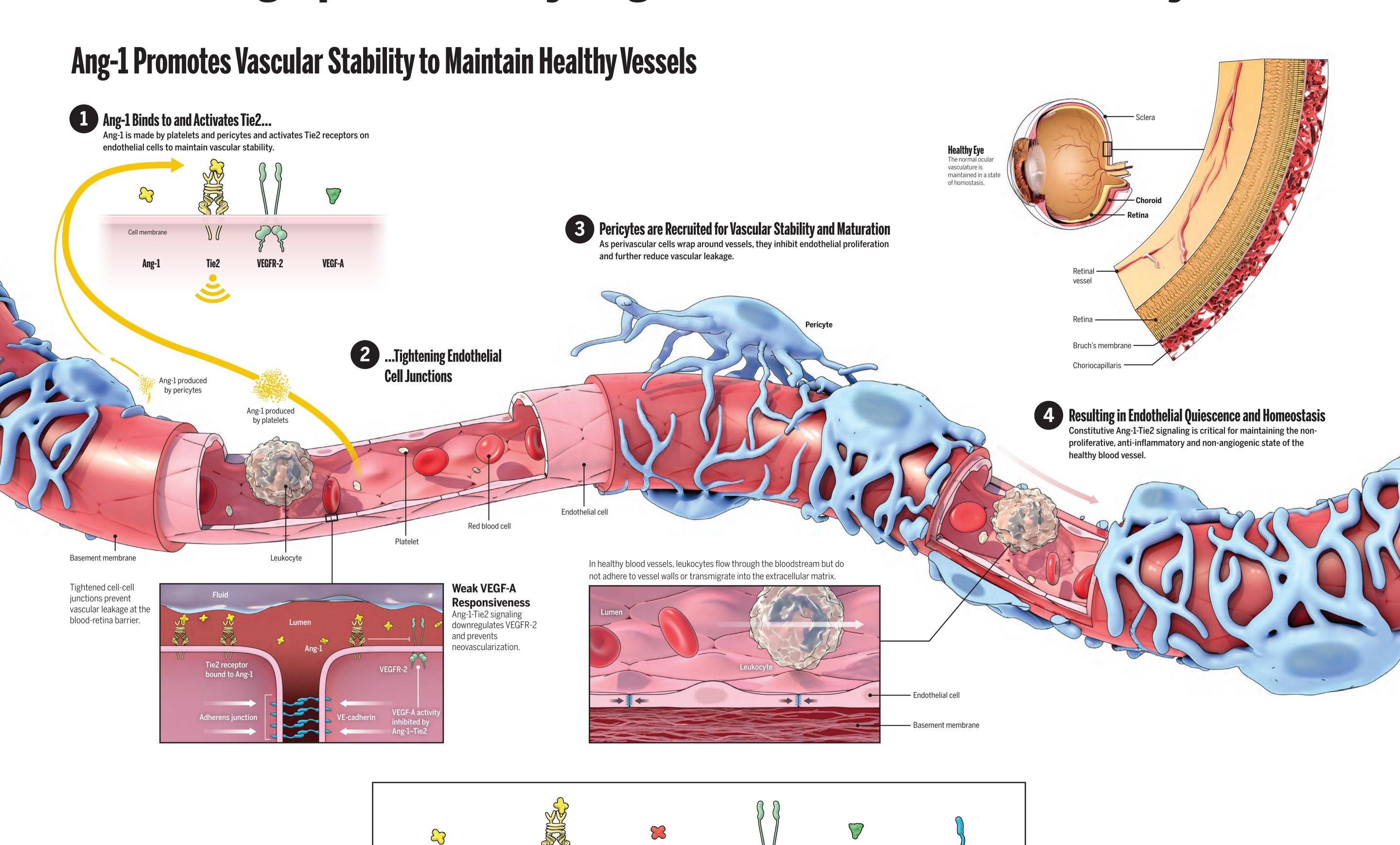
## **Angiopoietins: Key Regulators of Vascular Stability**



VEGFR-2

The receptor for

VEGF-A that mediates

angiogenic signaling

**Ang-2 (Angiopoietin-2)** 

A vascular modulating growth factor that

competes with Ang-1 for binding to Tie2

and leads to hyperpermeability, vascular

instability, and neovascularization.

**VEGF-A** 

permeability.

A potent angiogenic growth factor

and increases vascular

that stimulates neovascularization

**VE-Cadherin** 

A cell adhesion glycoprotein

junctions and is critical for

vascular structure and stability.

Cell membrane

Endothelial cell surface receptor

for Ang-1 and Ang-2 responsible

for intracellular signaling and

**Ang-1 (Angiopoietin-1)** 

binds to an endothelial cell-specific tyrosine

kinase receptor Tie2 and is responsible for

vascular stability and maturation.

