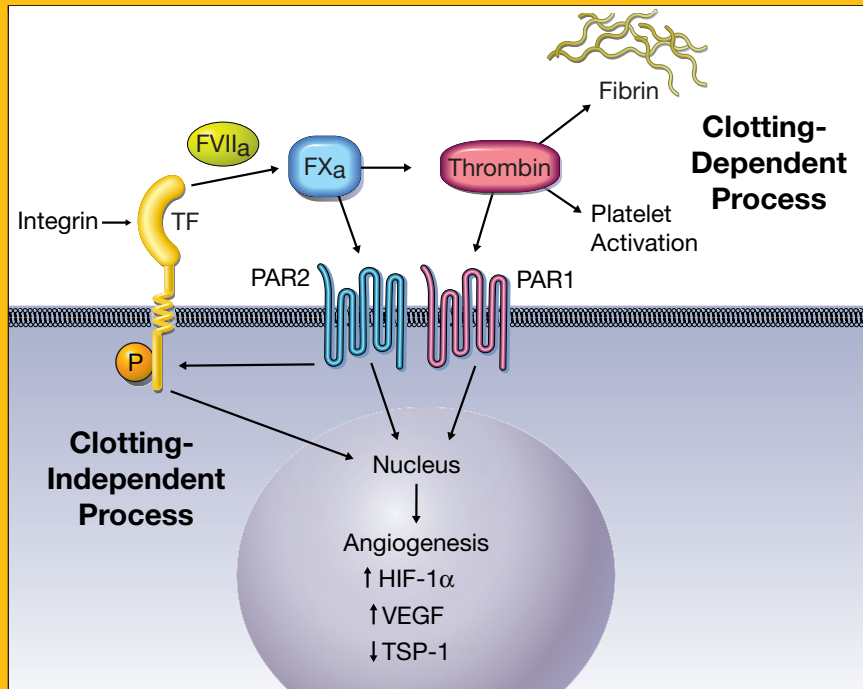


# Regulation of angiogenesis by the hemostatic system



**This figure demonstrates the multiple** roles that tissue factor (TF) plays in the enhancement of growth and metastasis of tumor cells. Tissue factor has three primary mechanisms affecting tumor cells. The first is a direct intracellular effect on tumor response. Second, TF has an indirect extracellular effect on activation of protease-activated receptor (PAR) molecules on the surface of tumor cells which enhance angiogenesis, invasion, and metastasis. Third, TF regulates activation of coagulation and generation of fibrin. Abbreviations: HIF = hypoxia-inducible factor; TSP = thrombospondin; VEGF = vascular endothelial growth factor. [From *Clinical Lymphoma & Myeloma*, 2008;8(4)233.]