

von Willebrand Factor

Von Willebrand factor (vWF) is a blood [glycoprotein](#) involved in [hemostasis](#).

It is a highly adhesive procoagulant molecule that mediates platelet adhesion to endothelial and subendothelial surfaces.

It is deficient or defective in [von Willebrand disease](#) and is involved in a large number of other diseases, including thrombotic thrombocytopenic purpura, Heyde's syndrome, and possibly hemolytic-uremic syndrome.

Increased plasma levels in a large number of cardiovascular, neoplastic, and connective tissue diseases are presumed to arise from adverse changes to the endothelium, and may contribute to an increased risk of thrombosis.

see [von Willebrand Factor in glioma](#).

Increasing evidence suggests that the adhesive ligand von Willebrand factor (VWF), which is synthesized in and released from [endothelial cells](#), plays a paradoxical role in both facilitating local [hemostasis](#) at the site of injury and also propagating TBI-induced [endotheliopathy](#) and [coagulopathy](#) systemically ¹⁾.

¹⁾

Xu X, Kozar R, Zhang J, Dong JF. Diverse Activities of von Willebrand Factor in Traumatic Brain Injury and Associated Coagulopathy [published online ahead of print, 2020 Sep 15]. J Thromb Haemost. 2020;10.1111/jth.15096. doi:10.1111/jth.15096

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