

BLEEDING DISORDER TREATMENTS: VON WILLEBRAND DISEASE

Brand	Strength	Form	Dose
ANTIHEMOPHILIC FACTOR VIII/VON WILLEBRAND FACTOR COMPLEX			
Alphanate ¹	250 IU, 500 IU, 1000 IU, 1500 IU	lyophilized pwd for IV inj after reconstitution	<p>Adults: <i>Pre-op:</i> 60 VWF:RCo IU/kg, then 40–60 VWF:RCo IU/kg every 8–12hrs if needed; may reduce dose after 3rd post-op day; treat until healed. Max infusion rate ≤10mL/min.</p> <p>Children: Initially 75 VWF:RCo IU/kg, then 50–75 VWF:RCo IU/kg every 8–12hrs if needed; may reduce dose after 3rd post-op day; treat until healed. Max infusion rate ≤10mL/min.</p>
Humate-P	250 IU FVIII + 600 IU VWF, 500 IU FVIII + 1200 IU VWF, 1000 IU FVIII + 2400 IU VWF	lyophilized pwd for IV infusion after reconstitution	<p>Adults and Children: <i>Type 1 (Mild):</i> major bleed: initially 40–60 IU/kg, then 40–50 IU/kg every 8–12hrs for 3 days, then once daily for a total of 7 days. <i>Type 1 (Moderate or severe):</i> minor bleed: 40–50 IU/kg for 1–2 doses; major bleed: initially 50–75 IU/kg, then 40–60 IU/kg every 8–12hrs for 3 days, then once daily for a total of 7 days. <i>Types 2 and 3:</i> minor bleed: 40–50 IU/kg for 1–2 doses; major bleed: initially 60–80 IU/kg, then 40–60 IU/kg every 8–12hrs for 3 days, then once daily for a total of 7 days. Max infusion rate: 4mL/min. <i>Surgery:</i> see full labeling.</p>
Wilate	500 IU FVIII + 500 IU VWF:RCo, 1000 IU FVIII + 1000 IU VWF:RCo	pwd for IV inj after reconstitution	<p><5yrs: Contact manufacturer.</p> <p>≥5yrs: <i>Minor bleed:</i> 20–40 IU/kg once, then 20–30 IU/kg every 12–24hrs as needed. <i>Major bleed:</i> 40–60 IU/kg once, then 20–40 IU/kg every 12–24hrs as needed. <i>Surgery</i> (give loading dose within 3hrs before); <i>Minor:</i> 30–60 IU/kg once, then 15–30 IU/kg (or half the loading dose) every 12–24hrs; <i>Major:</i> 40–60 IU/kg once, then 20–40 IU/kg (or half the loading dose) every 12–24hrs. Usual duration: minor hemorrhage/surgery: 3 days; major hemorrhage: 5–7 days; major surgery: ≥6 days.</p>
DESMOPRESSIN			
Stimate ²	150mcg/spray	soln for nasal spray	<p>Adults and Children: <11mos: not recommended.</p> <p>Give test dose prior to initiation. >11mos: <50kg: 1 spray in one nostril (150mcg). ≥50kg: 1 spray per nostril (300mcg). May repeat dose based on clinical response. <i>Pre-op:</i> give 2hrs prior to procedure.</p>
VON WILLEBRAND FACTOR			
Vonvendi ³	650 IU VWF:RCo, 1300 IU VWF:RCo	lyophilized pwd for IV inj after reconstitution	<p>Adults: ≥18yrs: <i>Minor bleed:</i> initially 40–50 IU/kg, then every 8–24hrs as needed. <i>Major bleed:</i> initially 50–80 IU/kg, then 40–60 IU/kg every 8–24hrs for 2–3 days as needed. Max infusion rate: 4mL/min. <i>Surgery:</i> see full labeling.</p> <p>Children: <18yrs: not established.</p>

NOTES

Key: FVIII = Factor VIII; VWF = von Willebrand factor; VWF:RCo = von Willebrand factor Ristocetin cofactor

¹ Not for severe VWD (Type 3) undergoing major surgery.

² For mild-moderate Type 1 VWD with Factor VIII >5% only.

³ Give recombinant FVIII with first infusion if baseline plasma FVIII level <40% or is unknown. Recombinant FVIII may also be needed for subsequent infusions or prior to surgery.

Not an inclusive list of medications and/or official indications. Please see drug monograph at www.eMPR.com and/or contact company for full drug labeling.