

# Notable Hemorrhages in Hemophilia

Type	Signs and Symptoms	Complications	Treatment
<b>Joint</b>	<ul style="list-style-type: none"> <li>• Injury</li> <li>• “Funny feeling” in joint</li> <li>• Heat, pain, and swelling</li> <li>• Limitation of motion</li> </ul>	<ul style="list-style-type: none"> <li>• Increased chance of re-bleed</li> <li>• Chronic pain and inflammation</li> <li>• Contracture</li> </ul>	<ul style="list-style-type: none"> <li>• Early and appropriate treatment with factor replacement therapy</li> <li>• Rest or joint immobilization</li> <li>• If needed, pain medication as prescribed (no aspirin or its derivatives). Use NSAIDS with caution.</li> </ul>
<b>Central nervous system</b>	<ul style="list-style-type: none"> <li>• Significant head trauma</li> <li>• Cord trauma</li> <li>• Headache</li> <li>• Projectile vomiting</li> <li>• Uneven or unreactive pupils</li> <li>• Weakness in extremities</li> <li>• Sluggishness, drowsiness, or coma</li> </ul>	<ul style="list-style-type: none"> <li>• Brain damage and related paralysis</li> </ul>	<ul style="list-style-type: none"> <li>• Early factor replacement therapy to 100% level</li> <li>• CT scan, MRI</li> <li>• Close observation for signs of increased intracranial pressure</li> <li>• Potential hospitalization</li> </ul>
<b>Genitourinary (G.U.)/Hematuria</b>	<ul style="list-style-type: none"> <li>• Blood in urine/Hematuria</li> <li>• Flank pain</li> </ul>	<ul style="list-style-type: none"> <li>• Chronic kidney damage (rare)</li> </ul>	<ul style="list-style-type: none"> <li>• Medical evaluation and possible factor replacement</li> <li>• Bed rest</li> <li>• Force fluids</li> </ul>
<b>Oropharynx</b>	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Nausea and vomiting</li> <li>• Choking</li> </ul>	<ul style="list-style-type: none"> <li>• Obstruction of airway</li> <li>• Anemia</li> <li>• Shock due to extreme blood loss</li> </ul>	<ul style="list-style-type: none"> <li>• Keep airway open</li> <li>• Early factor replacement therapy to 100% level</li> <li>• Instruct patient not to swallow blood</li> <li>• Treat prophylactically for dental extraction or procedures</li> <li>• Give Amicar for mouth bleeding</li> </ul>
<b>Muscle (includes soft tissue)</b>	<ul style="list-style-type: none"> <li>• Limitation of motion</li> <li>• Pain</li> <li>• Heat</li> <li>• Swelling</li> <li>• Discoloration</li> </ul>	<ul style="list-style-type: none"> <li>• Scarring or wasting of muscle</li> <li>• Contractures</li> <li>• Nerve damage due to pressure</li> </ul>	<ul style="list-style-type: none"> <li>• Factor replacement therapy</li> </ul>
<b>Gastrointestinal</b>	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Vomiting blood</li> <li>• Bloody or tarry stools</li> </ul>	<ul style="list-style-type: none"> <li>• Anemia</li> <li>• Shock due to extreme blood loss</li> </ul>	<ul style="list-style-type: none"> <li>• Factor replacement therapy</li> </ul>
<b>Eye</b>	<ul style="list-style-type: none"> <li>• Injury</li> <li>• Pain, swelling, or discoloration</li> <li>• Vision disturbance</li> </ul>	<ul style="list-style-type: none"> <li>• Temporary or permanent vision loss</li> </ul>	<ul style="list-style-type: none"> <li>• Early factor replacement therapy</li> </ul>