

Coagulation disorder

Coagulation disorders are disruptions in the body's ability to control blood clotting. Coagulation disorders can result in either a hemorrhage (too little clotting that causes an increased risk of bleeding) or thrombosis (too much clotting that causes blood clots to obstruct blood flow).

Congenital bleeding disorders are a minor but a significant cause of ICH in the **neonate** and **toddler**. Not uncommonly, **intracranial bleeding** is the first sign of a severe inherited **coagulation disorder**. In the presence of an unexpected intracranial bleeding after a **minor trauma** or without a clear **history** of the related **events**, **physicians** and **caregivers** may be confronted to the **dilemma** of a possible **child abuse**. It must be bear in mind that physical abuse and bleeding disorders can co-exist in the same child.

Hinojosa et al. reported the case of two **siblings** in whom a **diagnosis** of **hemophilia** coexisted with the presumption of a non-accidental head trauma. **Child abuses** were inflicted in both **children** with a spare time of 2 years. A diagnosis of mild hemophilia was prompted in the first sibling after initial NAHT, while inflicted trauma was evident in the second sibling after **neuroimaging** findings and concomitant lesions. Lessons from this case in co-existing bleeding disorders and inflicted trauma and legal implications derived will be discussed thereafter. The possibility of a bleeding disorder should be considered in all children presenting with unexplained bleeding at a critical site in the setting of suspected physical maltreatment, particularly **intracranial hemorrhage** (ICH) ¹⁾.

¹⁾

Hinojosa J, Simó M, Armero G, Becerra MV, Alamar M, Candela S, Culebras D, Muchart J, Berrueco R. **Hemophilia** and **non-accidental head trauma** in two **siblings**: **lessons** and **legal implications**. Childs Nerv Syst. 2022 Oct 28. doi: 10.1007/s00381-022-05713-2. Epub ahead of print. PMID: 36303077.

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