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Thrombotic complications in inherited bleeding disorders: The problem of aging population

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The increased life expectancy of persons with bleeding disorders (PBD), presently in general over 70 years in the developed world achieved through the improved factor replacement therapy leads to the novel medical challenges. Several pathologic conditions including cardiovascular disease, atherosclerosis and subsequent thromboembolic events are clearly associated with aging in the general population. Limited but growing evidence shows that the aging sub-population of PBD is affected to some extent depending on the severity of the disease and concomitant prothrombotic risk factors including inherited thrombophilia by the increased risk of thromboembolic events particularly those related to atherosclerosis as well. The risk is prominent in the sub-group with mild to moderate severity of the bleeding disorder and might be increased in those affected by clinically relevant thrombophilia. The thrombotic events in PBD represent therapeutic challenge, since the application of the standard therapeutic approach; the prolonged administration of antithrombotics requires establishing a balance between antithrombotic and antihemorrhagic treatment. Furthermore, evidence-based data are presently limited and thus the individualized approach has to be usually applied. The aim of the work is to demonstrate the author's own experience with the diagnostics and treatment of thrombotic events in PBD and to summarize the known data on the problem. The dominant focus should be on inherited hemophilias.

Biography

Pavol Holly received his medical degree from the Jessenius School of Medicine of the Comenius University in Martin, Slovakia in 2004. He has specialised in Haematology and Transfusion Medicine at the same university in 2013. During his training as well as after obtaining specialisation he has been working under professor P. Kubisz, MD, PhD at the Department of Haematology and Transfusion Medicine, University Hospital in Martin, Slovakia. The main part of his research and clinical work has been done for the department's haemostasis subdivision – the National Centre for Haemostasis and Thrombosis. He is currently working as a clinical haematologist for the centre. He is co-authored several publications focused on bleeding and thrombotic disorders in professional international journals. He is also the member of Slovak Society for Haemostasis and Thrombosis.

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