

Factor XII Deficiency

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Disease Overview

Summary

Factor XII deficiency is a rare genetic blood disorder that causes prolonged clotting (coagulation) of blood in a test tube without the presence of prolonged clinical bleeding tendencies. It is caused by a deficiency of the factor XII (Hageman factor), a plasma protein (glycoprotein). Specifically, factor XII is a clotting factor. Clotting factors are specialized proteins that are essential for proper clotting, the process by which blood clumps together to plug the site of a wound to stop bleeding. Although it is thought that factor XII is needed for proper blood clotting, when it is deficient, other blood clotting factors appear to compensate for its absence. Therefore, the disorder is thought to be benign and usually presents no symptoms (asymptomatic); it is usually only accidentally discovered through pre-operative blood tests that are required by hospitals.

Introduction

Factor XII deficiency was first described in the medical literature in 1955 by doctors Oscar Ratnoff and Jane Colopy in a patient named John Hageman. The disorder is sometimes known as Hageman factor deficiency or Hageman trait.

Programs & Resources



NORD strives to open new assistance programs as funding allows. If we don't have a program for you now, please continue to check back with us.

Additional Assistance Programs

Rare Disease Educational Support Program

Ensuring that patients and caregivers are armed with the tools they need to live their best lives while managing their rare condition is a vital part of NORD's mission.

<https://rarediseases.org/patient-assistance-programs/rare-disease-educational-support/>

Rare Caregiver Respite Program

This first-of-its-kind assistance program is designed for caregivers of a child or adult diagnosed with a rare disorder.

<https://rarediseases.org/patient-assistance-programs/caregiver-respite/>

Patient Organizations

Hemophilia Federation of America

NORD Member

Email: info@hemophilafed.org

<https://rarediseases.org/organizations/hemophilia-federation-of-america/>

National Bleeding Disorders Foundation

NORD Member

Email: info@bleeding.org

<https://rarediseases.org/organizations/national-hemophilia-foundation/>

Hemophilia Foundation of Southern California

NORD Member

Email: info@hemosocal.org

<https://rarediseases.org/organizations/hemophilia-foundation-of-southern-california/>

Canadian Hemophilia Society

Phone: 514-848-0503 Email: chs@hemophilia.ca Fax: 514-848-9661

<https://rarediseases.org/organizations/canadian-hemophilia-society/>

NIH/National Heart, Lung and Blood Institute

Phone: 301-592-8573 Email: nhlbiinfo@rover.nhlbi.nih.gov Fax: 301-251-1223

<https://rarediseases.org/organizations/nih-national-heart-lung-and-blood-institute/>

World Federation of Hemophilia

Email: wfh@wfh.org

<https://rarediseases.org/organizations/world-federation-of-hemophilia/>

Irish Haemophilia Society

Email: info@haemophilia.ie

<https://rarediseases.org/organizations/irish-haemophilia-society/>

More Information

The information provided on this page is for informational purposes only. The National Organization for Rare Disorders (NORD) does not endorse the information presented. The content has been gathered in partnership with the MONDO Disease Ontology. Please consult with a healthcare professional for medical advice and treatment.

GARD Disease Summary

The Genetic and Rare Diseases Information Center (GARD) has information and resources for patients, caregivers, and families that may be helpful before and after diagnosis of this condition. GARD is a program of the National Center for Advancing Translational Sciences (NCATS), part of the National Institutes of Health (NIH).

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Orphanet

Orphanet has a summary about this condition that may include information on the diagnosis, care, and treatment as well as other resources. Some of the information and resources are available in languages other than English. The summary may include medical terms, so we encourage you to share and discuss this information with your doctor. Orphanet is the French National Institute for Health and Medical Research and the Health Programme of the European Union.

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OMIM

Online Mendelian Inheritance In Man (OMIM) has a summary of published research about this condition and includes references from the medical literature. The summary contains medical and scientific terms, so we encourage you to share and discuss this information with your doctor. OMIM is authored and edited at the McKusick-Nathans Institute of Genetic Medicine, Johns Hopkins University School of Medicine.

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