

Special Issue

Venous Thrombosis (DVT/VTE): From Bench to Bedside

Message from the Guest Editor

Venous thromboembolism (VTE), consisting of deep vein thrombosis (DVT) and its major complication, pulmonary embolism (PE), is a serious health issue worldwide. Mechanisms of DVT development are substantially different from arterial thrombosis and remain incompletely understood. In particular, recent studies have demonstrated the pivotal role of different components of the immune system and local inflammatory responses (such as neutrophil extracellular traps or mast cells) in DVT initiation. Research using animal models has demonstrated multiple novel molecules that might be useful for venous thrombosis prediction (biomarkers) and targets potentially beneficial for venous thrombosis prevention in clinical setting. Another fundamental and clinical problem is venous thrombus recanalization and resolution, which develops more similarly to the wound healing process than to classic fibrinolysis.

This Special Issue is devoted to a discussion of new insights into mechanisms of DVT initiation, progression, and resolution, as well as recent achievements in its diagnostics, prophylaxis, and treatment in the clinical setting.

Guest Editor

Prof. Dr. Alexander Brill

1. Institute of Cardiovascular Sciences, College of Medical and Dental Sciences, University of Birmingham, Birmingham, UK
2. Department of Pathophysiology, Sechenov First Moscow State Medical University, Moscow, Russia

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Prof. Dr. Andreas Kjaer
Department of Clinical Physiology, Nuclear Medicine & PET National
University Hospital, Rigshospitalet, University of Copenhagen,
Blegdamsvej 9, DK-2100 Copenhagen, Denmark

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