

## 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

---

### Deadline for manuscript submissions

closed (31 August 2020)



## Diagnostics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.9  
Indexed in PubMed



[mdpi.com/si/29091](https://mdpi.com/si/29091)

*Diagnostics*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[diagnostics@mdpi.com](mailto:diagnostics@mdpi.com)

[mdpi.com/journal/  
diagnostics](https://mdpi.com/journal/diagnostics)





# Diagnostics

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.3  
CiteScore 5.9  
Indexed in PubMed



[mdpi.com/journal/  
diagnostics](https://mdpi.com/journal/diagnostics)



## About the Journal

### Message from the Editor-in-Chief

You are cordially invited to submit research articles, short communications, comprehensive reviews, case reports or interesting images for consideration and publication in *Diagnostics* (ISSN 2075-4418). *Diagnostics* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. We would be pleased to welcome you as one of our authors.

---

### Editor-in-Chief

Prof. Dr. Andreas Kjaer

Department of Clinical Physiology, Nuclear Medicine & PET National University Hospital, Rigshospitalet, University of Copenhagen, Blegdamsvej 9, DK-2100 Copenhagen, Denmark

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Inspec, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q1 (Medicine, General and Internal) / CiteScore - Q2 (Internal Medicine)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 21 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2025).