



Novel Challenges and Therapeutic Options for Pulmonary Embolism and Deep Vein Thrombosis

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Message from the Guest Editors

Venous thromboembolism, clinically presenting as deep vein thrombosis or pulmonary embolism, is the third most frequent acute cardiovascular syndrome.

In this clinical setting, the effects of partial or total occlusion of the pulmonary vascular bed could lead to very different clinical presentations and syndromes, ranging from cardiogenic shock needing hemodynamic support and reperfusion to respiratory failure and chronic pulmonary hypertension. One of the most challenging parts of venous thromboembolism management is the selection of the appropriate treatment according to the risk of the patient. Prediction of the recurrence of future events is still difficult in this scenario. In this regard, a comprehensive evaluation by a pulmonary embolism response team (PERT) is frequently needed to offer a personalized approach.

The aim of this issue is to evaluate the role of new options both medical or interventional for the treatment of pulmonary embolism or deep vein thrombosis as well as new tools for risk stratification such as machine learning or artificial intelligence.





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