Dear readers,

I am honored to have been chosen as the first editor-in-chief of “Vascular Failure”, which serves as the official journal of “Japan Society of Vascular Failure” founded in 2016. “Vascular Failure” is the online peer-reviewed journal that is available to every physician and scientist free of charge, as the editorial team hopes the journal significantly contributes to the management of patients with vascular failure, which will be defined as the following paragraph.

Vascular science includes a wide range of scientific fields from morphological features to functional changes. For example, the most well-known vascular disorder is atherosclerosis. In atherosclerosis, chronic multifactorial injuries cause atheromatous and/or fibrous plaques that can progress to overt diseases of stroke or heart attack. The normal vascular physiologic state consists of normal endothelial and smooth muscle function, as well as proper control and regulation of inflammation, oxidative, and neurohormonal stress. The founding members of our society, Kouichi Node and Teruo Inoue, defined a new clinical entity of “Vascular Failure” as “the integration of all of these vascular abnormalities.” They continued,

“Vascular failure is not an anatomical disease but rather a comprehensive syndrome of abnormal vascular function. Vascular failure extends from risk factors to established atherosclerotic disease with arterial stenosis, and further to calcification of the vessel wall or serious vascular events that may be caused by plaque rupture and thromboembolic occlusion.” (J Hypertens. 2006).

Even if the concept of vascular failure is not an anatomical disease and the journal mostly publishes clinical studies, its aims and scope are to publish papers on a wide range of studies, including molecular, cellular, tissue and gross anatomical studies, on normal and experimental animals. Such studies on humans are also acceptable. In addition, functional morphology, biochemical, physiological, and interventional studies are considered for publication as long as they contribute to improve the management of “Vascular Failure”.

I sincerely hope that many excellent manuscripts from many authors are submitted to “Vascular Failure” in the near future.

Bonpei Takase, MD, PhD
Editor-in-chief
“Vascular Failure”