

PREAMBLE

Dear colleagues and friends,

I am very honoured and pleased to announce the publication of this supplement containing the articles of the selected and most interesting presentations following successful CroComp 4 congress.

We are all aware that over the past 20 years there have been great technological and scientific advances in cardiology, especially in the field of interventional cardiology while percutaneous coronary interventions have become the most commonly performed medical procedures in the countries of the developed world. If we also take into account the fact that cardiovascular diseases are the most common cause of mortality today, it becomes clear how important this progress is as it directly reduces mortality and morbidity of cardiovascular patients. A big step forward has also been made in other interventional areas such as interventions on structural heart diseases where in recent years we have witnessed an explosion of the number of procedures on the aortic and mitral valve, but also an increase in all endovascular interventions, which further expands the range of involved professions and gives the interventional profession a multidisciplinary character. Because of the increasing number of new devices and technologies as well as overlapping of multiple professions, it is of utmost importance to know what complications can be expected during such procedures, how to avoid them even before they arise and how to solve them with a favourable outcome for the patient.

Due to all of the above, the Working Group of the Croatian Cardiac Society for Interventional Cardiology - CroIntervent and Clinic for Cardiovascular Diseases Magdalena, Clinic of the Medical Faculty in Osijek and the Faculty of Dental Medicine and Health of the Josip Juraj Strossmayer University in Osijek decided to organize the **Croatian Interventional Congress on Complications of Coronary and Other Cardiological and Endovascular Invasive Procedures**. The first congress called CroComp was held in 2015 and ever since then it has been held every two years (during the COVID-19 pandemic, three years have passed). The 4th Croatian Intervention Congress — CroComp 4 was held in June 2022. The congress was attended by more than 200 participants including well-known experts from abroad, and 51 lectures were held. The congress is a case-based meeting mainly based on the presentation of cases of “complications” in the form of short presentations accompanied by comments from the panel of experts and accompanying state-of-the-art lectures on prevention and resolution of interventional complications.

In this ACTE supplement, we decided to present 22 most interesting cases presented at the CroComp 4 congress in the form of structured articles that include a general introduction on the described complication as well as a discussion based on professional literature, i.e., already published similar cases and the discussion that took place during the congress. The articles cover the most interesting cases of complications in coronary interventions and TAVI and endovascular procedures. We believe that these papers will be instructive and helpful for all interventionalists working in cath-labs, and educational for younger colleagues and fellows who are starting with interventional careers.

I would like to thank the organizing and scientific committee for their assistance in organizing the congress as well as issuing of this supplement, to all lecturers and the authors of expert articles compiled for this supplement. Also, I would like to thank the Magdalena Clinic, CroIntervent and the Croatian Cardiac Society for their support in the implementation of the whole project.

*Assist. Prof. Krešimir Štambuk, M.D., Ph.D.
President of the Organizing Committee
Head of the Department of Cardiology
Magdalena, Clinic for Cardiovascular Diseases*