



New Advance in Percutaneous Coronary Interventions

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Message from the Guest Editors

In recent decades, interventional cardiology has been moving into the “leave nothing behind” stage of treating coronary artery disease. Although eternal prostheses, i.e., metal stents and new-generation drug-eluting stents (DES), remain the best option for the treatment of coronary artery disease, they are affected by stent thrombosis due to the presence of metal in the coronary arteries and, avoiding this complication, by the need for dual antiplatelet therapy (DAPT). From this perspective, drug-coated balloons (DCBs), both paclitaxel and sirolimus, are effective and safe. Their advantage is their absence of a metal prosthesis, which allows a shorter DAPT and is free from thrombosis related to the use of a durable metal stent. An interesting technology is also the biovascular resorbable scaffold (BRS), which is characterized by a scaffolding effect. Another is the metal stent, which progressively decreases over time, restoring vasomotility and healing the vessels from the atherosclerotic lesion. Their application is also useful in specific settings affected by spontaneous coronary dissection (SCAD). Here, we present a literature review on the matter.





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