

Special Issue

Reabsorbable Magnesium Scaffold in Clinical Practice: State of the Art and Future Perspectives

Message from the Guest Editor

Bioresorbable scaffolds (BRS) may represent a step forward in the treatment of coronary artery lesions. The advantages of this device are mainly due to its potential long-term benefits, limiting stent thrombosis, restenosis, neoatherosclerosis, constant vascular inflammation, and providing complete vascular restoration. Current guidelines, based on historical data on poly-L-lactide (PLLA) scaffolds, recommend the use of any bioresorbable scaffold, exclusively within controlled clinical trials (class III recommendation, evidence level C). Nevertheless, a metallic resorbable magnesium scaffold (RMS), Magmaris (Biotronik AG, Bulach, Switzerland), was launched on the market. Metallic and antithrombotic properties make this scaffold an attractive technology, its mechanical properties substantially differ from those of polymer-based scaffolds and the experience with previous procedures has shown that a standardized implantation technique and optimal patient and lesion selection are key factors for a successful implantation. The aim of this Special Issue is to highlight the benefits of this new technology and discuss new potential future indication in a global context.

Guest Editor

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