

IS14**Auricular reconstruction-concepts and techniques in microtia, revisional and other complex cases**

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The construction of an auricle from autologous tissue is highly complex and demanding. Depending on the underlying malformation, there are various surgical techniques available. Thanks to our enthusiasm and acquaintance with leading experts in the field of ear reconstruction; Professor Siegert and Dr. Magritz, in the beginning of 2016, we began to use their technique in Croatia, a first in Southeast Europe. We are honored to have done the first two procedures with Dr. Magritz and that he has helped us countless times later with his advice. The first stage consists of fabrication of a three-dimensional costal cartilage framework. The second stage is performed 5-6 months later: the reconstructed ear is raised up and an additional cartilaginous graft is used to increase its projection. A mastoid fascial flap together with a full thickness skin graft protects the cartilage graft.

In some cases there is a need for temporoparietal fascia flap (TPF flap) or even free flap. This surgery is very demanding, artistic and always a little bit surprising what makes this job perfect.

