Innovation in Head and Neck Reconstructive Surgery

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Deadline for manuscript submissions:
closed (31 January 2021)

Message from the Guest Editors

The field of head and neck reconstruction is exceptionally complex. Many of the anatomical structures requiring reconstruction have a crucial role in facial morphology and for functions such as speech, swallowing, and mastication. All these aspects strongly influence the patient's daily quality of life.

Over the past few years, the development of new technologies such as virtual surgical planning and 3D printing have been shown to result in better outcomes in terms of reconstructive accuracy, with good improvement in results as compared to traditional reconstruction techniques. The field of head and neck reconstruction is on the move. In fact, computer-assisted surgery with customized implants is becoming increasingly common for head and neck reconstruction, also associated with revascularized tissue transfer. These techniques allow surgeons to provide increasingly personalized reconstruction, improving the average results and reducing surgical time.

The present Special Issue aims to explore these new frontiers of reconstructive surgery as supported by 3D technology.

mdpi.com/si/39447

Special Issue

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