Special Issue

Development of Membranes for Oral and Maxillofacial Application

Message from the Guest Editor

Tissue defects in the oral and maxillofacial regions can be caused by trauma, tumor, infection, and genetic disease. For the successful reconstruction of defects, selecting good materials is important. Though autografts are a gold standard for grafting, their amount is limited. Accordingly, many types of xenograft and alloplastic materials have been introduced. Particularly, membrane types of material have wide clinical indications for maxillofacial defects because bony structures in this area have many cavities. Guided bone/guided tissue regeneration are examples of membrane applications on the maxillofacial region. Apart from natural material, many types of synthetic materials also can be used for maxillofacial applications. Membranous materials can be applied to vessel defects as vascular patch, and for nerve regeneration as nerve conduits. Some types of membranes can be used for preventing Frey's syndrome after parotid gland resection and another can be used for preventing tissue adhesion after temporomandibular joint surgery. The Special Issue aims to cover recent advances in the development of membranes that show successful regeneration of maxillofacial tissues.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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