Special Issue

Updates on Facial Traumatology and Oral Maxillofacial Surgery

Message from the Guest Editor

Knowledge of traumatology is essential for maxillofacial surgeons. Alongside technological improvements in this domain, the nature of trauma cases and their modalities change in tandem. The recent pandemic has caused a radical shift in trauma etiology, increasing the incidence of domestic accidents. Cases such as these reflect the ever-changing complexity in the area of facial traumatology, including patterns of fractures and complications.

On the other hand, we are witnessing a huge development in computer technologies that can assist surgeons during the planning process and the intraoperative phase. Intraoperative navigation, C-arm CT and patient-specific implants are just a few of the applications of computer-assisted surgery. These technologies are radically changing the way that a surgeon operates, improving the safety of the procedure and minimizing surgical access and complication rates. Furthermore, the increased availability of 3D laboratories has further increased the development of in-house solutions. Machine learning technology therefore plays an essential role in the diagnostic phase, magnifying the detection of fractures and aiding in the decision process.

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