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Computer guided oral and maxillofacial surgery

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Since the introduction of personal computers, it started to have lots of applications in every aspect of our life. Several medical software packages have been released and improved to help medical practitioners deliver a higher level of service to their patients. Oral and Maxillofacial surgery is one of the specialities that benefitted from those applications as a tool to an in depth studying of patient's x-rays and facial soft tissue scans with the possibility of expanding to surgical planning and surgical guidance through computer generated stents or real time navigation. The different applications of computers in OMF Surgery will be reviewed with the presentation of clinical cases and the results obtained following their treatment. The presentation will include patients with multitude of problems starting from impacted teeth, computer guided dental implants, mid face and mandible fractures, orthognathic surgery and tumor resection and reconstruction

Biography

Ahmed Barakat is the head of Oral and Maxillofacial Surgery Dept., Future University, Cairo, Egypt. Worked as manager, Dental Educational Hospital, Cairo University during 2001-2008, Prof. of Oral and Maxillofacial Surgery, Cairo University during 2007, Vice Manager, Dental Educational Hospital, Cairo University during 2006-2008, also worked as Head of Implantology Unit, DentalEducational Hospital, Cairo University.

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