

Pros and cons of the free-hand technique of dental implant surgery

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The primary technique used in the dental implant surgery with a success rate of over 90% was the free-hand technique that was proved to be easier, quicker and less costly compared with the surgical guided technique that is more costly, time consuming and needs special equipment as the (CBCT) cone-beam Computerized tomography and (CAD_CAM) computer-assisted design and computer assisted manufacture and the soft wares it is mainly a flapless- technique. For a single implant placement, the guided surgery technique will be more demanding and even not necessary and more costly on the otherhand, the free-hand technique is more suitable for a single implant placement. The availability of irrigation during surgery and more visibility of bone both from the labial and palatal side in the free-hand technique added to the pros of this technique especially if we need to augment the alveolar ridge simultaneously with implant placement in addition to the enucleation of any associated pathology in the proposed site of implant placement, hence a more definitive diagnosis and a better evaluation of the bone quality and quantity. The possibility of little more postoperative pain and discomfort and alveolar bone loss due to flap elevation will be the cons of this technique with the presentation of some cases of implant surgery done by the free-hand technique i will emphasize the pros and cons of this technique and how to improve the outcome of this technique

Biography:

Tarek El Sayed Mohamed Konbar, consultant oral surgeon & implant surgeon and head of oral surgery department in dental 8 clinics JCI Accredited hawalley & mahbouda kuwait, graduated from alexandria faculty of dentistry Egypt 1986, master of oral surgery from the same school 1991 and diploma of fellowship of the Royal college of surgeon of Edinburgh UK 2001