

Precision implant surgery using real time computer assist.

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Three major paradigms shift in dental implant surgery have shown in various literatures. The new paradigm, using advance digital technology recently plays an important role as a game changer in implant surgery. Real time computer assisted implant surgery using advance digital technology such as navigation system or robotic system has been recently introduced. It has been shown that this technology promotes significant accuracy of implant position over the

conventional technic.

Thus, the principle of using real time navigation and robotic system for dental implant surgery in various aspects will be discussed in this presentation. Moreover, our recent published data on accuracy of implant position and improvement of implant skill in novice dentist using this technology will also be discussed.