Simplant® – accuracy with guided implant surgery

What is Simplant?
- The most used software system for 3D planning of implant placement in clinical studies
- Individualized 3D solution covering all steps from implant planning to final prosthetic delivery
- Custom made Simplant Guides connect the digital plan with the surgical intervention
- Compatible with most implant systems, including Ankylos, Astra Tech Implant System and Xive

Confident implant placement
- Higher accuracy for implant placement with Simplant Guide compared to non-guided surgery, shown in both clinical and experimental studies (with one exception)
- Published data indicate higher accuracy in anterior positions, in the mandible, in thin mucosa (e.g. non-smokers), in dense bone and for mucosa supported guides
- Higher accuracy has been presented when optimizing tolerances and length of the sleeves in the guide, when using shorter implants and when anchoring the guide rigidly to the bone

Twenty-two studies (15 clinical and 7 experimental) have been evaluating accuracy between planned and actual implant positions when using Simplant Guide. No study reported any adverse events or risks when using the guides. Equivalent or better performance for Simplant Guide, than competitors, are reported in clinical and experimental studies.

Conclusion
The published literature clearly supports the use of Simplant Guide for predictable implant surgery.
- Higher accuracy compared to freehand surgery
- Safe and predictable surgery can be employed in all locations in the mouth
- Minimally invasive treatment (e.g. flapless surgery) is possible
- Reduced chair time can be achieved
- Maintained patient’s satisfaction at yearly follow-ups
References


24. To read more Scientific Reviews please see: www.dentsplyimplants.com/science