

Guided Endodontics

Guided Endodontics refers to an advanced, **precision-driven approach** to performing root canal treatments using **3D imaging, navigation systems,** and **customized surgical guides.**

Wicher J. van der Meer described a new method to locate an obliterated root canal in 2015 and **M. S. Zehnder** was first to use the term **Guided Endodontics** in 2016.

Types of Guided Endodontics

- a) Static Guided Endodontics
- b) Dynamic Guided Endodontics



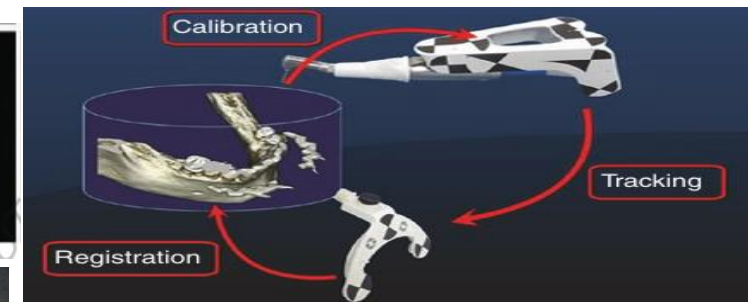
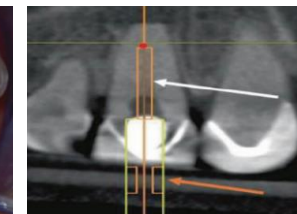
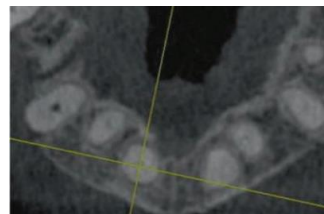
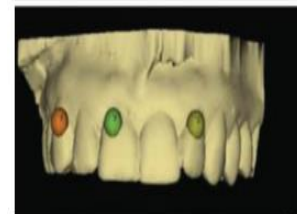
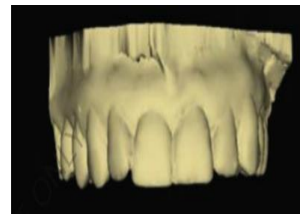
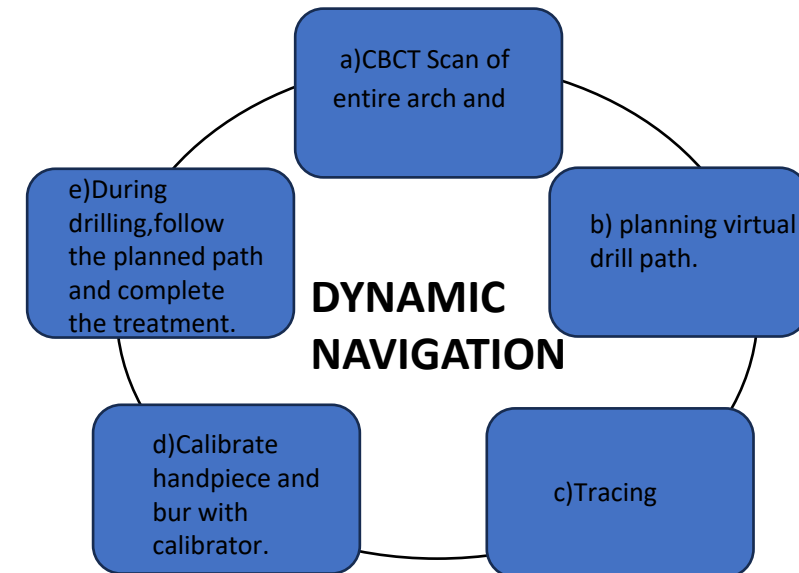
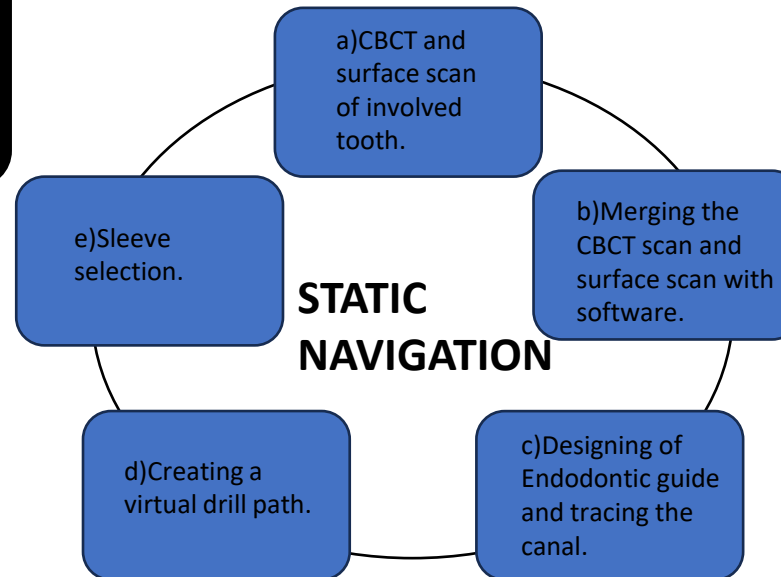
Wicher J. van der Meer

Software used in Guided Endodontics

- a) CODiagnostiX
- b) 2Ingis Technology system
- c) Acetone Imaging software (AIS)
- d) Dentsply Sirona Galileos
- e) Blue Sky Bio
- f) EndoTouch by Vatech

Components of Guided Endodontics

- a) CBCT.
- b) Intraoral Scanning device.
- c) Digital imaging software.
- d) Burs and Rotary instruments.
- e) Endodontic navigation systems.



CONCLUSION

Guided endodontics enhances precision, safety, and treatment outcomes by using advanced imaging and technologies. It improves efficiency, reduces errors, and is useful in complex cases.