

Guided Endodontics

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The concept of "Guided Endodontics", including static guide and dynamic navigation, was introduced 7 years ago. Guided Endodontics is one of the most popular topic in endodontics in recent years. CBCT as a 3D anatomical map plays a critical role in guided endodontics. By combining CBCT images with 3D printing technology, static template can be customized and fabricated for special purposes such as guiding apical surgery, locating calcified root canals, or acting as a

template for autotransplantation. On the other hand, dynamic navigation system can integrate instruments and CBCT images and give clinicians a real-time guide. These features could help to reduce the risk of unintentional iatrogenic damage to nearby anatomic structures and thus allowing the endodontist to perform minimally invasive treatment. This lecture will focus on the influence of guided endodontics accompanied by clinical cases and experience.