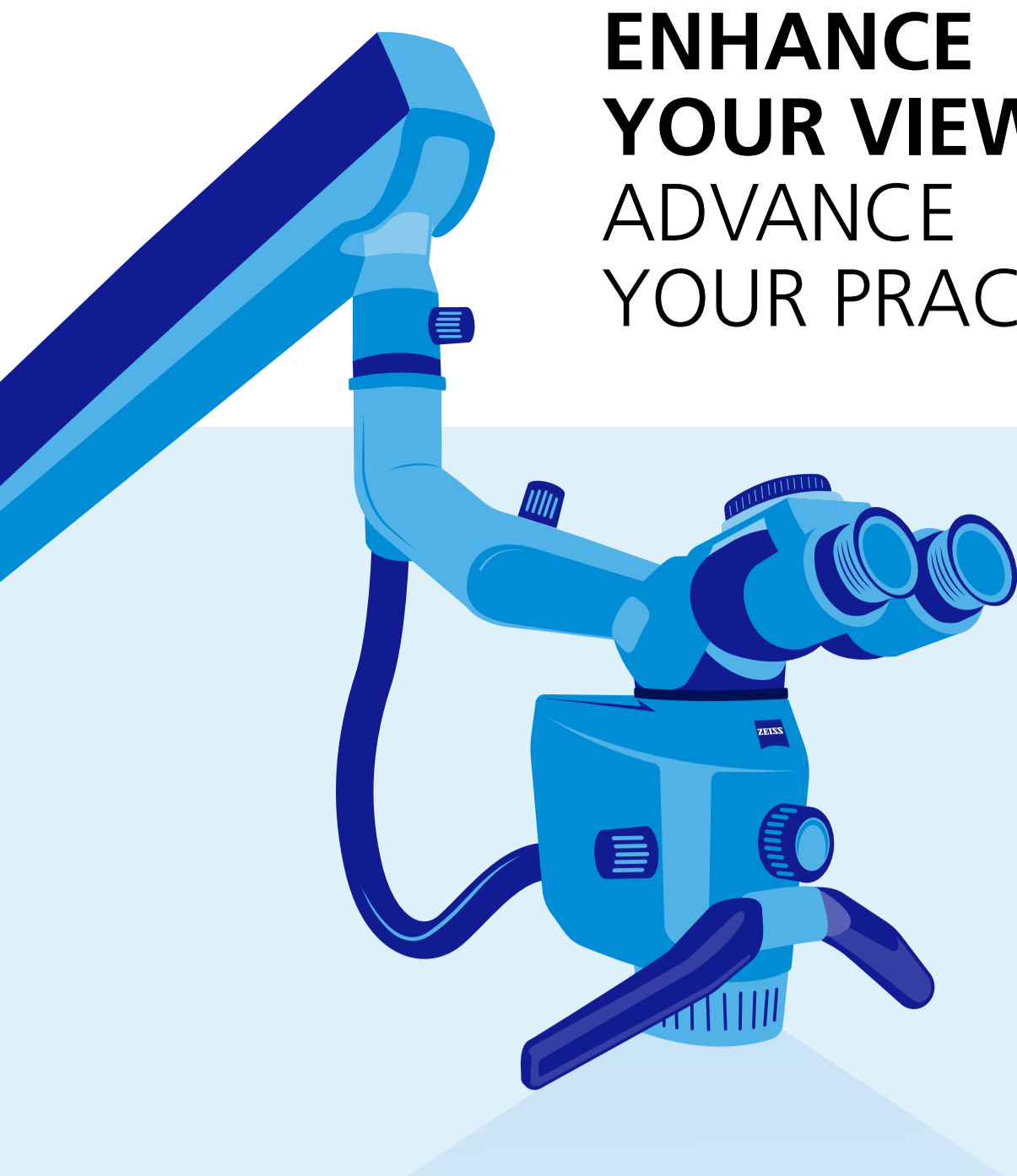
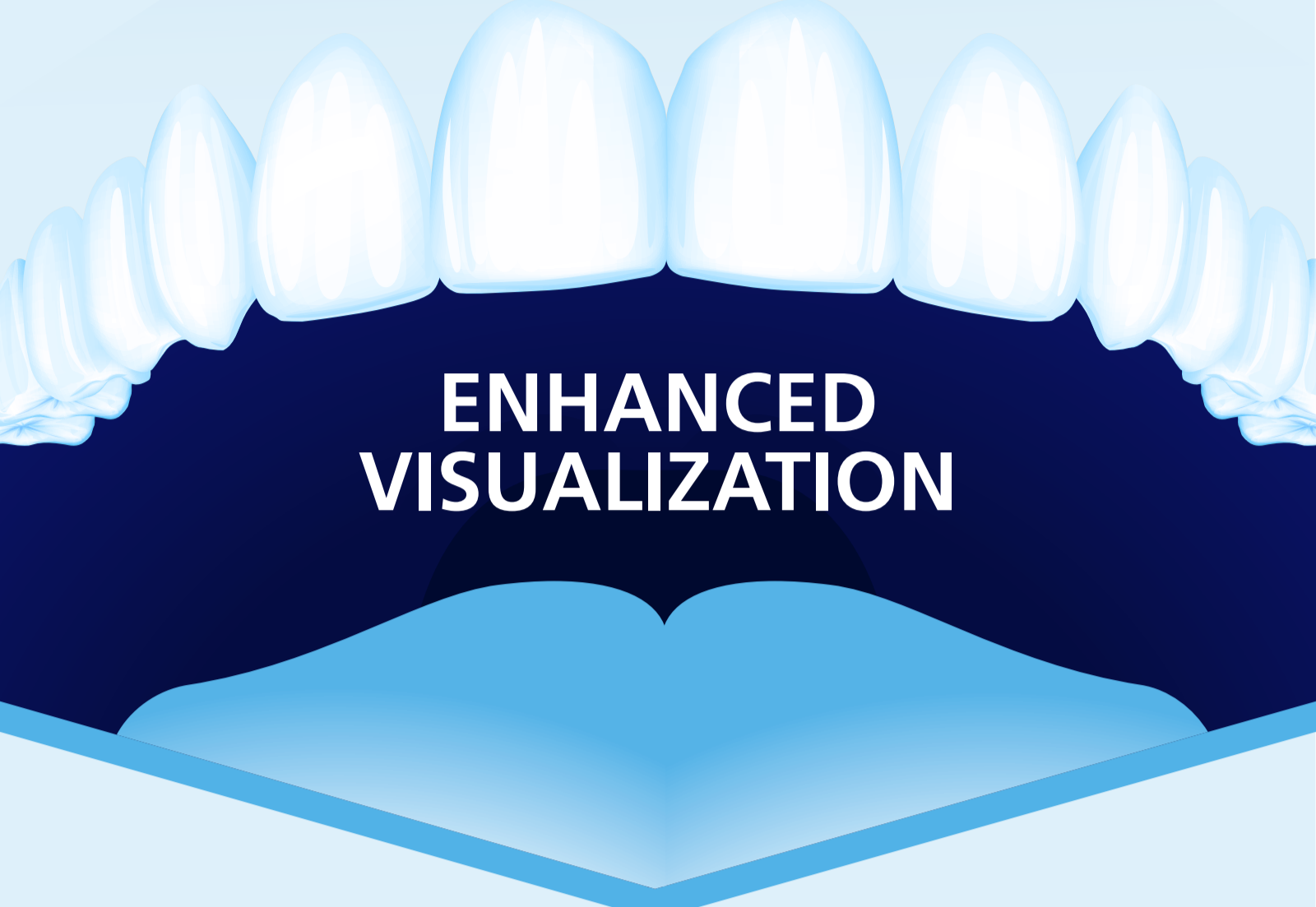


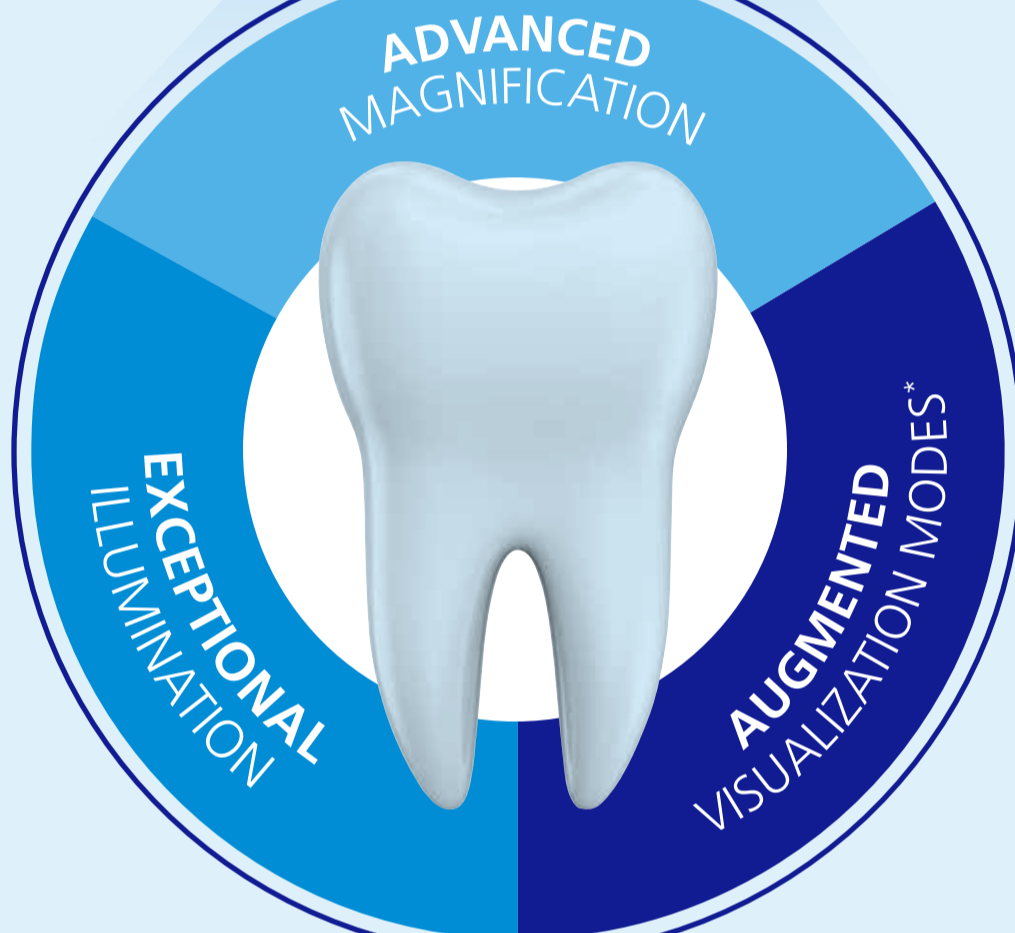
**ENHANCE
YOUR VIEW.
ADVANCE
YOUR PRACTICE.**



**ENHANCED
VISUALIZATION**



**IMPROVED
VISUAL
PERFORMANCE
TO OVER 900%¹**



**See fine structures
in more detail.^{2,3}**



**Spot decay or
pathology earlier.²**



**Optimize ability to
carry out procedures.^{2,4,5}**

**Endodontic
treatment**



Improved root canal treatment

- Unrivaled visualization of root canal.⁶
- Increased detection of extra canals to 93%.⁷
- Improved ability to detect second mesiobuccal canal - 57.4% vs 18.2% with no magnification.⁷
- Higher positive outcomes in surgery – 94% microscope vs 59% traditional.⁸

**Prosthetic
treatment**



Precise restoration

- Simplified procedures.⁹
- Accurate tooth prep.⁹⁻¹¹
- Precise insertion.⁹⁻¹¹
- Enhanced tissue management.⁹⁻¹¹
- Clear and defined margins and finishing lines.^{9,10}
- Better identification and removal of leftover materials.^{3,9,12}

**Periodontic
treatment**



Optimal diagnosis and treatment

- Easy differentiation between tissues.⁴
- Simple and more precise treatment.⁴
- Smooth and proper access to the intrabony defect.⁴
- Straightforward primary wound closure.⁴
- Minimal bacterial contamination.⁴
- Boosted regeneration.⁴

**WHEN PERFECTION IS THE GOAL,
PRECISION IS THE KEY.**



**Rapid wound
healing^{5,8,13}**



Less pain^{4,13}



**Better patient
outcomes^{13,14}**



**SEEING THE SMALLEST DETAILS
CAN MAKE A WORLD OF DIFFERENCE.**

*Available on ZEISS EXTARO 300 dental microscope.

References

ENHANCED VISUALIZATION:

1. Eichenberger M, et al. Visual acuity of dentists under simulated clinical conditions. Clin Oral Invest 2013;17:725-729.
2. Mamoun JS. A rationale for the use of high-powered magnification or microscopes in general dentistry. Gen Dent 2009;57:18-26.
3. American Association of Endodontists. The dental operating microscope in endodontics. 2016. Available at: <https://3f142z0k2w1kg84k5p9i1o-wpengine.netdna-ssl.com/specialty/wp-content/uploads/sites/2/2017/07/winter2016microscopes.pdf>
4. Yadav VS, et al. Periodontal microsurgery: Reaching new heights of precision. J Indian Soc Periodontol 2018;22:5-11.
5. Hegde R, et al. Microscope-enhanced periodontal therapy: a review and report of four cases. J Contemp Dent Pract 2009;10(5):E088-96.
6. Perrin P, et al. Visual acuity and magnification devices in dentistry. A review. Swiss Dent J 2016;126:222-228.
7. Buhley LJ, et al. Effect of magnification on locating the MB2 canal in maxillary molars. J Endod 2002;28:324-327.
8. Setzer FC, et al. Outcome of endodontic surgery: A meta-analysis of the literature - Part 1: Comparison of traditional root-end surgery and endodontic microsurgery. J Endod 2010;36:P1757-1765.
9. Van As GA. The use of extreme magnification in fixed prosthodontics. Dent Today 2003;22(6):93-99.
10. Yu H, et al. Minimal invasive microscopic tooth preparation in esthetic restoration: a specialist consensus. Int J Oral Sci 2019;11:31.
11. Mamoun JS. Preparing and restoring composite resin restorations. The advantage of high magnification loupes or the dental surgical operating microscope. NY State Dent J 2015;81(4):18-23.
12. Mamoun J and Napolitano D. Using microscopes in fixed prosthodontics: try-in adjustment, and insertion of crowns and bridges. Dent Today 2014;33:86, 88, 90-94.
13. Floratos S and Kim S. Modern endodontic microsurgery concepts: A clinical update. Dent Clin North Am 2017;61:81-91.
14. Tsesis I, et al. Comparison of quality of life after surgical endodontic treatment using two techniques: A prospective study. Oral Surg Oral Med Oral Pathol Oral Radiol Endod 2005;99:367-371.