



**International College of Prosthodontists  
London Symposium – Satellite Meeting  
August 30 – September 2, 2023**

**Invited Speaker – Saoirse O’Toole**

**Title**

Monitoring Wear with Intra-Oral Scanners Part 2: What the Future Holds

**Abstract**

This talk will review the state of art with accuracy of digital intraoral scanners when used for intraoral diagnosis. We will discuss the opportunities and limitations of using intraoral scanners to measure clinical wear and highlight what the future holds with regards to diagnosis and the use of AI for dental monitoring. Afterwards the attendee will have learned clinical tips and tricks to improve accuracy when monitoring change, be aware of different digital tools available to them and their limitations. They will also come away informed of potential future applications and how to prepare for them now.

**Biography**

Dr. Saoirse O’Toole is a Clinical Lecturer at King’s College London Centre for Clinical, Oral and Translational Research. Her clinical area of interest is in tooth wear, bruxism and dental sleep medicine. Her research focuses on identifying groups at high risk of disease progression and developing diagnostic tools for use in primary care.

She has lectured nationally and internationally on erosive tooth wear, has published over 40 peer reviewed papers and two book chapters on tooth wear. She has an international patented device for the intraoral detection of gastric acids and has developed a freeware to detect change in sequential 3D medical scans.