

CHAN PEI YUAN



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Dr Chan Pei Yuan is a full-time clinician with National Dental Centre Singapore (NDCS) since 2010 and presently an Associate Consultant in the Endodontics Unit of the Department of Restorative Dentistry. She graduated from the Faculty of Dentistry, National University of Singapore (NUS) in 2009 with a Bachelor of Dental Surgery. She was awarded the postgraduate traineeship from NDCS to pursue a Masters of Dental Surgery in Endodontics at NUS from 2011- 2014. She is a member of the Royal College of Surgeons of Edinburgh and a fellow with the Academy of Medicine, Singapore. She is also registered with the Singapore Dental Specialist Accreditation Board. She is currently a clinical teacher at the Faculty of Dentistry, NUS.

TO RETREAT OR NOT TO RETREAT? THAT IS THE QUESTION.

The ultimate goal of endodontics is to treat apical periodontitis and to prevent the recurrence of an infection to the root canal system. In spite of the most ideal of situations, periapical lesions may still persist after initial root canal treatment due to a variety of reasons. Treatment options after failed initial root canal treatment include non-surgical retreatment, surgical retreatment or extraction and replacement with a single tooth implant. Clinicians are often confronted with difficult choices whether a tooth can be salvaged or extracted and replaced with an implant, and if it can be saved, should it be treated by nonsurgical retreatment or endodontic microsurgery. This choice can be challenging, depending on the accessibility to the root canal system, variations in root canal morphology and availability of advanced instruments

for predictable outcomes. Periodontal, endodontic and restorative characteristics also need be carefully evaluated to determine the prognosis and predictability of the treatment plan. This presentation aims to shed some light on the evaluation of clinical situations and discuss the factors which will guide us through the decision making process on the retreatment of the tooth. The lecture will include the following: 1. Clinical outcomes of non-surgical retreatment and surgical retreatment vs. single tooth implants 2. Prognostic factors of the long term outcome for the various treatment modalities 3. Clinical considerations in nonsurgical vs. surgical retreatment 4. Clinical cases