

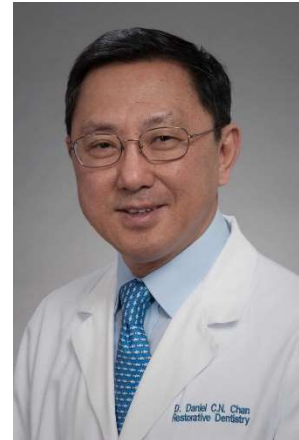


Hong Kong Prosthetic Dentistry Society

香港矯形牙科學會

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Titanium And Titanates in Endodontics and Restorative Dentistry Applications

Advances in materials science are happening at a rapid pace. Clinicians hopefully can capitalize on the recent advances and translate science and technology into real life remedies. In this presentation, we will discuss the role of titanium and titanates in endodontics and restorative dentistry applications. Our previous publications discussed titanate complexes usage in restorative materials, cements, and adhesives. We will now focus on root canal sealers and dental implant coating. This is of interest since usage of implants is on the rise and peri-implantitis is getting more common.

The presentation will begin with a general introduction to titanium and the reasons behind the use of metal antibacterial agents. We will emphasize how and why drug-resistant bacteria are becoming increasingly common and dangerous. We will highlight the strategies that we are using nano-titanates to fight this war, paying particular attention to biofilm formation. Finally, we will use SDF as an example of metal-containing caries prevention agent and evaluate the protocol to prevent SDF discoloration.

Date: 24th May 2023 (Wednesday)

Time: 2:30 to 4:30 pm CME/CPD 2 points (pending approval)

Zoom link:

<https://hku.zoom.us/j/98258381130?pwd=OWVvdEYrY2JjcFBXazREcTJWYWWhPQT09>



Free for HKPDS member