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EDUCATION

- **2010.07 - 2013.12 Endodontic certificate and Master's degree**
Department of Endodontics, School of Dental Medicine, University of Pennsylvania, Philadelphia, USA
- **1999.09 - 2005.06 Doctor of Dental Surgery (DDS)**
School of Dentistry, National Taiwan University, Taipei, Taiwan

RESEARCH

- 2012.07 – 2013.12
Division of Plastic and Reconstructive Surgery, The Children's Hospital of Philadelphia, Philadelphia, USA

CURRENT

- **Endodontic Specialist**
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ABSTRACT

Title: TURNING THE WORLD UPSIDE DOWN

As an endodontist, we are facing difficult and challenging cases in our daily practice. We must have seen the following scenario: we've done everything we can but symptoms persist or there are layers of difficulty to overcome— crown, post, calcification, curvature, etc. The work is time-consuming. Is it our destiny?

Endodontic microsurgery improved many disadvantages of traditional surgery technique, and has become a necessary skill. What does the root look like from the bottom of tooth? What exactly can microsurgery help us in our daily practice? Is it a predictable treatment modality?

In addition, we all know that MTA is the material of choice for root-end filling. Recently, there are some materials launched to the market trying to replace MTA, which is the most thoroughly studied and almost perfect material in endodontics. Bioceramic material is one of them. Is it really as effective as MTA? Is there sufficient evidence to support the clinical use of this material?