



## **Dr. Frank Paqué, M.Sc.**

Frank Paqué was born 1966 in Freiburg i. Br., Germany. He graduated from the University of Berlin in 1995, where he subsequently worked as an assistant professor until 2000. Between 2000 and 2003 he was employed at the Department of Operative Dentistry, Preventive Dentistry and Periodontology, University of Göttingen, Germany. He received a certificate in Endodontics from the German Society for Conservative Dentistry. In 2003, Dr Paqué moved to Zurich, Switzerland to work with Dr. Barbakow, Dr. Peters and eventually Dr. Zehnder in the Division of Endodontology at the Clinic of Preventive Dentistry, Periodontology, and Cariology, University of Zürich. He is currently senior lecturer in the department and works in private praxis limited to endodontics. His main research interests are in the improvement of both chemical and mechanical debridement of root canals. Most of his research involved micro computed tomography.

Abstract Paper:

Title: **COMPLEX ROOT CANAL ANATOMY AND ITS IMPLICATIONS ON ROOT CANAL TREATMENT**

Root canal anatomy is very complex, and variations of number and arrangement of root canals are significant in many tooth groups. Root canal treatment of teeth with complex anatomy requires not only basic knowledge about variations in the number of root canals, but also knowledge about the possible unique arrangement of the canals. The three-dimensional imaging of teeth using micro-computed tomography is very helpful for the clinician to learn about complex anatomy. Furthermore, scanned teeth can be kept intact and the impact of endodontic procedures on root canal anatomy can be analyzed. The aim of this presentation will be to show and to discuss complex root canal anatomy using three-dimensional reconstructed images based on micro-ct data. Furthermore, the impact of mechanical and chemical root canal preparation on complex root canal anatomy will be discussed.