



**CV:** Associate professor Thomas Kvist, DDS, PhD

Thomas Kvist has practiced general dentistry in Sweden and in Sorrento, Italy. He completed specialization in endodontics in 1993 and received his PhD in 2001 at the Department of Endodontology, University of Gothenburg, Sweden where he is presently head and holding a position as associate professor. For several years, he was director of the postgraduate program and head of the Specialist Clinic for Endodontics at Public Dental Service in Gothenburg. He has published articles in peer-reviewed journals on decision-making and clinical outcome in endodontics. He also authored several textbook chapters and edited a textbook on apical periodontitis in root- filled teeth. He also co-authored textbooks of endodontics as well as dental ethics in Swedish. Thomas Kvist participated in the project group for the report Methods of Diagnosis and Treatment in Endodontics published in 2010 by the Swedish Council on Health Technology Assessment (SBU) and Swedish National Board of Health and Welfare's work to provide National guidelines for adult dental care. He is a member of the editorial board of the International Endodontic Journal. Thomas Kvist is also a participant in the Endodontic Research Collaboration in Scandinavia (EndoReco)

## **The philosophy and theory of evidence-based endodontics**

More than 100 years of clinical experience and scientific research have generated a substantial base of knowledge in endodontics. In more recent years the development of a new model for evaluating clinical procedures, namely that associated with evidence-based medicine/dentistry has emerged and the scientific basis for the diagnostic and treatment procedures that we apply in our everyday clinical practice has been questioned.

In this presentation the concept of evidence based endodontics will be reviewed and critically discussed from a clinical as well as a scientific point of view. Finally, a forecast of future challenges of endodontic practice and research will be presented.

## **Decision-making in endodontic practice-retreatment or surgery?**

Endodontic retreatment is the distinctive feature of many specialist clinics in endodontics and retreatment methods and techniques are frequently presented at conferences, in journal papers and in textbooks. Available modern equipment has made both non-surgical and surgical retreatment methods more precise and the outcome more predictable. However, high-quality scientific evidence of the benefits of retreatment of asymptomatic teeth compared to conservative monitoring is meagre. Still, many root-filled teeth require further intervention to resolve clinical symptoms. This presentation will provide a guide to the diagnosis of apical periodontitis in root filled teeth as well as a basic key for choosing between a non-surgical or surgical approach.



**CV: Dr. med. dent. M.S. Helmut Walsch, Certified Specialist & Master of Science in Endodontics (University of Pennsylvania, Philadelphia, USA), Diplomate, American Board of Endodontics**

**Dr. Helmut Walsch graduated from the Dental School of the Ludwig-Maximilians-University, Munich, Germany in 1994, where he also received his doctoral degree in 1996. He completed the full time postgraduate Endodontic program at the University of Pennsylvania in 2000 and received the best case presentation and teaching awards. Dr. Walsch earned a Master of Science in Endodontics/Oral Biology degree in 2001 at the University of Pennsylvania. He is a founding member, specialist member and former board member of the German Society of Endodontology (today German Society of Endodontology and Dental Traumatology). He maintains a private practice limited to Micro-Endodontics and Endodontic Microsurgery in Munich since 2001 and serves as Adjunct Assistant Professor at the Endodontic Department, University of Pennsylvania. Dr. Walsch is a Diplomate of the American Board of Endodontics since 2006, recertified in 2016. He is an active member of the AAE, certified member of the ESE and EDA (European Dental Association), honorary member of the VDZE (Association of German Certified Endodontists), member of the Louis I. Grossman Endodontic Study Club, the German Study Group of Microscopy in Dentistry, and the College of Diplomates of the American Board of Endodontics.**

**He lectures nationally and internationally on various Endodontic topics, and holds numerous CE demo- and hands-on courses.**

#### **Abstract**

**Pulp calcification and its endodontic management**

**A challenge hardly anyone enjoys dealing with:**

**Diagnostic radiographs show no visible pulp space and one may wonder: „how am I ever going to find these root canals!“**

**And even if both pulp chamber and canals can be still recognized to a certain extent on a radiograph, they could be unexpectedly hard to find and to negotiate.**

**This presentation is intended to shed light into the darkness of such canals “lost in dentinal space“.**

**Using numerous clinical cases, we will develop the necessary strategies, introduce useful tools, utilize and implement tricks and ways to find and negotiate calcified canal structures - techniques that can be easily and quickly incorporated into daily practice.**

