



**European Society of Endodontology**

**Annual Research Grant 2016**

The European Society of Endodontology (ESE) awards an annual research grant to support a pilot research project or to purchase equipment for research in the field of Endodontology.

**Award 20,000 Euros to Lise-Lotte Kirkevang**



**Project:**

***Development in endodontic status in a general population. A repeated cohort study***

The aim of the present study is to perform a repeated cohort study to be able to document changes in prevalence and development of dental and endodontic status from two comparable cohorts, each examined three times with 5 years interval, and separated by 10 years.

Information on prevalence and incidence of apical periodontitis and the longevity of root canal treated teeth is important to help predict the need for resources allocated for prevention and treatment of endodontic disease in the general population and to plan future, relevant pre- and postgraduate education.

During the last 20 years there has been an increased focus on endodontic disease in general populations. During the same period there has been a tremendous development in endodontic treatment techniques, materials and modalities. The new techniques have gradually been implemented in pre- and postgraduate courses. This development, together with an increased knowledge and awareness of Endodontology, will hopefully result in a documentable improvement in the quality and treatment outcome of endodontic treatments performed in general dental practice.

Previously repeated cross-sectional studies have been performed, in which no concomitant improvement of periapical health has been documented despite an improved root filling quality, but until now no repeated cohort studies have been performed in Endodontology.

***Milestones:***

1. Describe and analyze the dynamic development: incidence/persistence/healing of apical periodontitis during a 10 year period from 2009-2019.
2. Describe, compare and analyze factors related to tooth survival during two consecutive 10-year periods from 1997-2008 and 2009-2019.
3. Describe and analyze intra- and inter-period differences of dental and endodontic status between the first cohort (1997-2003-2008) and the second cohort (2009-2013-2019).

**Lise-Lotte Kirkevang:**

Lise-Lotte Kirkevang, graduated as dentist in 1995, from the School of Dentistry, Aarhus. She is currently employed at the Department of Dentistry, Aarhus University and at the Department of Endodontics, Oslo University.

Lise-Lotte Kirkevang received her PhD in 2001 based on the thesis: "Periapical and endodontic status in Danish populations". From 2001-2007 she worked part time in private dental practice. She obtained the position of Associate Professor in Endodontics at Aarhus University in 2007 after a postdoc period financed by the Danish Health Counsel (SSVF). At Aarhus University she treats patients referred for endodontic treatment. In 2012 she was appointed full-time Professor at Oslo University after an international call, but from 2013 she returned to Aarhus University, at the same time keeping a 10% professorship in Oslo.

**Grants and prizes**

Lise-Lotte Kirkevang has applied for and received several grants in research and education; recently she received DKK 2,144 mill. from A.P. Moeller's Foundation. This grant was used in the up-date of the endodontic facilities for student training, including installation of microscopes at all endodontic units in the dental school, AU. In 2006 she received Bagger Sørensen Foundations talent prize for young reseachers, in 2009 she received a European Society of Endodontology & Netherlands Society of Endodontology prize, and in 2016 she received the Zendium Hoogendorn prize.