2012 41th Annual meeting of Korean Academy of Endodontics

The 10th JEA-KAE Joint Meeting

Mar 24-25th (Sat-Sun). 2012

Seoul, SETEC http://www.setec.or.kr/

Main Theme: Microscopic Endodontics! Simple Endodontics!

1. Abstract guideline

1) Please use MS word and save 2003-2007(.doc).

2) Please use following sample: font, size, style

3) in English

4) please put the [*****] on presenter's name

4) within 1 page of **A4 paper**

6) Abstract Submission Dead-Line: 2012. Feb. 22(Wed)

7) Abstract Submission method: e-mail to editorial committee.

e-mail add: mksdd@wonkwang.ac.kr (prof. KS Min)

8) **Special Theme: Microscopic Endodontics! Simple Endodontics!**

- Microscopic Endodontics

- Single file root canal preparation

2) Poster size

110 cm (width) x 150 cm (height)

3) Posting time: will be notified

Abstract Format (for case presentation)

Title:

Speakers (Full Names including affiliations)

I. Introduction

II. Case Presentation / Materials and Methods

III. Results

IV. Conclusions

<Sample>

NK and NKT Cells in the Rat Dental Pulp Tissue: Clinical Research

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I. Introduction

Natural killer (NK) cells are an important component of the innate immune system, since they mediate cellular cytotoxicity and produce chemokines and inflammatory cytokines, such as interferon gamma and tumor necrosis factor alpha.

II. Case Presentation / Materials and Methods

The lower first molars of specific pathogen-free male Wistar rats (8 wk of age, n=10) were used in this study. The teeth were fixed with periodate-lysine- paraformaldehyde at 4C for 8 h, and then demineralized with 14% EDTA at 4C for 3 wk. The tissues were finally embedded in OCT compound and rapidly frozen in liquid nitrogen. Serial sections (7 um thick) were cut using a cryostat and stained by the avidin-biotin- peroxidase complex method with anti-CD161, anti-CD68, anti-MHC class II (Ia) molecules, and anti-TCR? ? (Serotec).

III. Results (could be omitted for a case presentation)

CD161+ cells and TCR??+ cells were observed in the normal rat dental pulp tissue of 8-wk-old rats. They were concentrated in the central portion of the coronal pulp. Many Ia+ cells were also observed, and these cells were accumulated in the subodontoblastic zone. In addition, CD68+ were equally distributed both in the coronal and root pulps.

IV. Conclusions

CD161+ cells and TCR??+ cells were observed in the normal rat dental pulp tissue of 8-wk-old rats. They were concentrated in the central portion of the coronal pulp.