Position Statement

European Society of Endodontology position statement: Use of cone beam computed tomography in Endodontics: European Society of Endodontology (ESE) developed by:
S. Patel, J. Brown, M. Semper, F. Abella, F. Mannocci
Pages: 1675-1678 | First Published: 13 July 2019

Basic Research – Biological

Impact of infected and noninfected human dentine debris on bone healing in rats
Pages: 1679-1690 | First Published: 26 June 2019

Vascular endothelial growth factor A/Vascular endothelial growth factor receptor 2 axis promotes human dental pulp stem cell migration via the FAK/PI3K/Akt and p38 MAPK signalling pathways
X. Sun, L. Meng, W. Qiao, R. Yang, Q. Gao, Y. Peng, Z. Bian
Pages: 1691-1703 | First Published: 03 July 2019

Lipopolysaccharide-induced DNA damage response activates nuclear factor κB signalling pathway via GATA4 in dental pulp cells
W. Qiao, Y. Huang, Z. Bian, X. Sun, X. Wang, Q. Gao, Y. Peng, L. Meng
Pages: 1704-1715 | First Published: 01 July 2019

Gene expression of growth factors with angiogenic potential in human dental pulp tissue from teeth with complete and incomplete root development
In vivo analysis of the presence of heme oxygenase-1, transcription factor Jun-D and CD90+/CD73+/CD105+/CD45- cells in the pulp of bleached teeth
Pages: 1723-1737 | First Published: 19 July 2019

Systemic administration of probiotics reduces the severity of apical periodontitis
Pages: 1738-1749 | First Published: 29 July 2019

Development of an in vitro model to study tooth cystogenesis
Pages: 1750-1757 | First Published: 29 July 2019

Potential immunomodulatory effects of stem cells from the apical papilla on Treg conversion in tissue regeneration for regenerative endodontic treatment
X. M. Liu, Y. Liu, S. Yu, L. M. Jiang, B. Song, X. Chen
Pages: 1758-1767 | First Published: 04 August 2019

Basic Research – Technical

Torsional behaviour of Reciproc and Reciproc blue instruments associated with their martensitic transformation temperatures
Pages: 1768-1772 | First Published: 15 July 2019

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Chemical efficacy of several NaOCl concentrations on biofilms of different architecture: new insights on NaOCl working mechanisms
X. Petridis, F. H. Busanello, M. V. R. So, R. J. B. Dijkstra, P. K. Sharma, L. W. M. van der Sluis
Pages: 1773-1788 | First Published: 07 August 2019

Clinical Techniques and Case Reports

Autotransplantation after primary bone repair of a recipient site with a large periradicular lesion: a case report
Pages: 1789-1796 | First Published: 25 July 2019