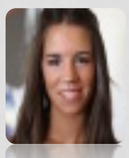
Poster nº. 38



Fracturas verticais da raíz: meios de diagnóstico e abordagem terapêutica

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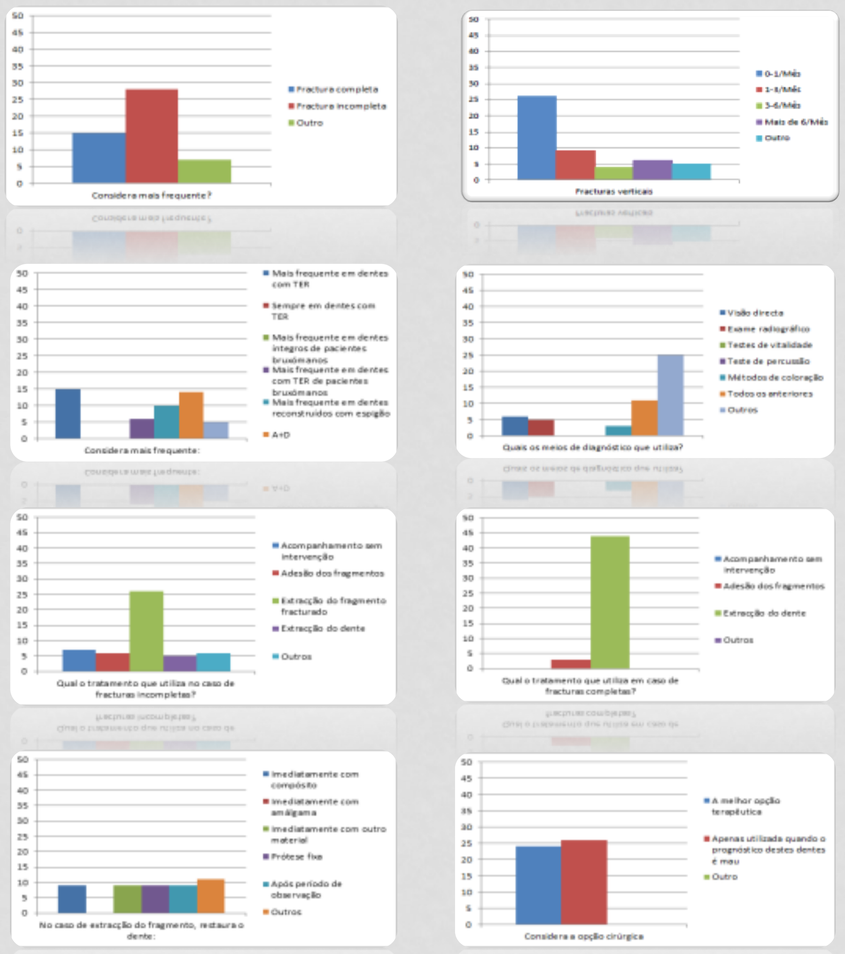
Introdução: As fracturas verticais da raíz (FVR) são fracturas longitudinais do dente que se estendem do canal radicular ao periodonto. Foi referida uma prevalência compreendida entre 11 e 20% de dentes extraídos com tratamento endodôntico que apresentavam FVR. Estas apresentam um desafio ao clínico na medida em que o diagnóstico é frequentemente difícil e é baseado em parâmetros subjectivos. Assim, procurou conhecer-se a atitude dos médicos dentistas perante estes casos clínicos e avaliar se a sua abordagem está de acordo com a literatura.

Materiais e Métodos: Foi realizado um inquérito a 50 médicos dentistas e/ou estomatologistas colaboradores na Faculdade de Medicina Dentária da Universidade do Porto, constando de 12 perguntas.

Foi efectuada uma análise estatística descritiva utilizando o SPSS - Statistical Package Social Science, obtendo-se as frequências pretendidas.

Objectivos: Averiguar a actuação do médico dentista perante as FVR e comparar os resultados obtidos nos inquéritos com a literatura existente.

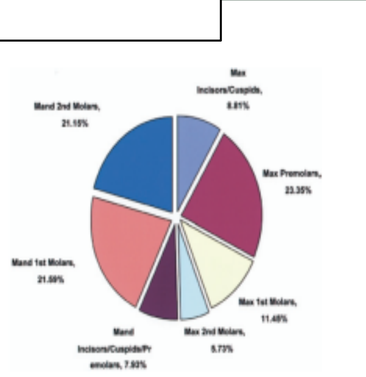
Resultados: Relativamente aos meios de diagnóstico, 50% dos inquiridos seleccionou "Outros", referindo múltiplas opções. Das chaves escolhidas, a opção B – "Exame radiográfico" esteve presente em 100% dos casos, a opção A – "Visão directa" em 67% dos casos, a opção D - "Testes de percussão" em 60%, a opção C - "Testes de vitalidade" em 30% e a opção E - "Métodos de coloração" em 6% das respostas. 52% dos inquiridos consideram que a extracção só deve ser realizada quando o prognóstico destes dentes é mau e 48% considera que esta é a melhor opção terapêutica.



Conclusão: Estas fracturas são frequentemente mal diagnosticadas com consequente perda óssea e aparecimento de fístulas, muitas vezes conduzindo à sua extracção. Assim, parece importante investigar um meio de diagnóstico eficaz e, relativamente às abordagens terapêuticas, a realização de estudos com amostras maiores e que apresentem "follow ups" mais alargados para que possam ser utilizadas com maior segurança e previsibilidade de resultados.

Palavras-chave: fracturas verticais da raíz, fracturas longitudinais da raíz, tratamento, diagnóstico

Incidência/Prevalência das FVR



J Endod. 2006 Dec;32(12):1160-3. Epub 2006 Oct 13.

A demographic analysis of vertical root fractures.

Cohen S, Berman LH, Blanco L, Bakland L, Kim JS.

Department of Endodontics, Arthur A. Dugoni School of Dentistry, University of the Pacific, San Francisco, California, USA.

Etiologia das FVR

Autores	Hagay Shemesh et. al	Malhotra et al	Madarit et al	Outros autores(3)
Etiologia	- demasiada preparação do canal; -pressão excessiva durante a condensação lateral e vertical sobre o material obturador.	- tratamento restaurador e o T.E.R; - hábitos parafuncionais	- remoção de instrumentos fracturados abaixo do 1/3 coronal	- trauma, prematuridades oclusais; - movimentos mastigatórios intensos; - dentes enfraquecidos e com reabsorções; - tratamentos dentários iatrogénicos.

Meios de diagnóstico das FVR

- Visualização directa;
- Transiluminação;
- Radiografia;
- Sondagem periodontal;
- Aplicação de corantes;
- Exploração cirúrgica;
- Teste de percussão;
- Exame microscópico.

Todos estes apresentam sucesso limitado.

J Endod. 2008 Jun;34(6):739-42.

Diagnosis of vertical root fractures with optical coherence tomography.

Shemesh H, van Soest G, Wu MK, Wesselink PR.

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Abordagem terapêutica das FVR

Replantation of a vertically fractured maxillary central incisor after repair with adhesive resin

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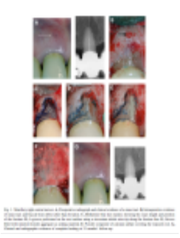

A new surgical technique for preservation of endodontically treated teeth with coronally located vertical root fractures: a prospective case series

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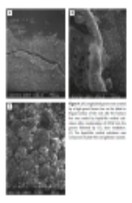
UNIVERSITY OF MILAN AND TEL AVIV UNIVERSITY



In vitro Study of Root Fracture Treated by CO_2 Laser and DP-bioactive Glass Paste

Yin-Lin Wang,[1] Bor-Shiunn Lee,[1] Ching-Li Tseng,[2] Feng-Huei Lin,[2] Chun-Pin Lin[1]*

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