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Objective: To assess the available scientific evidence regarding the application of PRP in the post extraction socket to improve the regeneration of both soft and maxillary and mandibular bone tissue and reduce the possible intervention post- morbidity

Material and Methods: Review and analysis of 25 articles published in PubMed and Medline. Limits: Publication in the last five years. Keywords: Platelet rich plasma, platelet rich in growth factors, oral surgery, tooth extraction, dental extraction.

Results: All articles consulted reported an initial acceleration of the healing process of soft and hard tissue, reducing post extraction morbidity but not necessarily an increase in bone formation as a final result. The lack of literature that meets quality criteria (randomized, double-blind, placebo and control groups and strict exclusion criteria) makes this second issue remains under debate.

Conclusion: Platelet rich plasma accelerates both bone and soft tissue healing process, thus improving the postoperative period and decreasing the incidence of complications due to slowdown. However, long term bone gaining cannot be assured, requiring further scientific evidence for use as hard tissue regenerator.

- Oral Presentation 47

TITLE: Relationship between acute myocardial infarction (AMI) and atherothrombotic stroke (ATS) with dental pathology

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Aim: To review the relationship between cardiovascular diseases and oral pathology, focusing in the acute myocardial infarction (AMI) and the atherothrombotic stroke (ATS).

Material and Methods: An electronic research was done on PubMed-Medline bases with the keywords: "myocardial acute infarction", "stroke", "oral pathology", and "dental pathology". Publications in English indexed in the period between 2005-2015 and referring to

the relationship between both cardiovascular diseases and oral pathology were included.

Results: 266 articles were found; from which 18 were included in our review, because they talk specifically about AMI and ATI; cardiovascular diseases commonly associated with oral pathology. In the reviewed articles, it has been observed that some bacteria in the oral cavity are involved in coronary plaque inflammation, during flowing in the vessel and in the development of coronary thrombus. It has been found the same pathogenic flora in periodontal pockets and in atheromatous plaques. It seems that the AMI influences in the degree of periodontal inflammation.

Conclusion: It is possible that cardiovascular diseases have a relationship with oral pathology. Dental infections and oral bacteria may be associated with the development of acute coronary thrombosis. Measuring the levels of MMP8 in the gingival crevicular fluid may help obtain information about the severity of periodontal disease. A poor oral health status and the presence of periodontitis can influence in the development of AMI.

- Oral Presentation 48

TITLE: Management of dental trauma in schools. A survey of Kindergarden and Elementary school teachers

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Objective: To analyze the knowledge of Nursery and Primary school teachers on immediate action response in children Traumatic Dental Injury (CTDI) in schools. **Material and Methods:** A questionnaire was designed which firstly collected teachers' basic demographic information (age, gender, work experience, etc.), followed by 9 questions concerning immediate action measures used to respond to different types of CTDIs. All teachers participated anonymously and voluntarily at their workplace.

Results: Data from 382 teachers from 30 schools spread across Galicia were obtained. Of the teachers completing the questionnaire, 59.4% have received first aid training; of these 2.1% received first aid training that included CTDI content, and 42.7% of the responding teachers have faced a CTDI in the past in the workplace. In relation to dental luxations, the most common action response (58.1%) was notifying parents. Similar results were obtained in cases of dental fractures. Pri-