Letter to the Editor: Oral Lichenoid Disease. A new classification proposal

Dear Editor,

In the last few years there has been a special interest in the definition and classification of so called "premalignant oral diseases" (1). Frequent and controversial processes such as oral lichen planus and other similar oral lesions are included in this group (2, 3).

Oral lichen planus is clinically characterized by white papular lineal lesions which show a reticular pattern, associated or not with other lesions (2,3). However, this papular lesion is not a pathognomonic feature of oral lichen planus. For this reason the term of "lichenoid lesion" is used for the clinical situations where multiple, symmetric and bilateral characteristics are not found (2-4).

Several authors (1-5) have pointed out the clinical and histological problems when trying to differentiate between "oral lichen planus" and "oral lichenoid lesions".

Recently, several studies (3, 6, 7) have shown the importance of a correct diagnosis of these lesions due to the great difference in the prognosis.

According to this data, and with the objective of trying to clarify this pathology, I propose the following classification which I name "Oral lichenoid disease" (OLD). This disease has as a starting hypothesis:

- 1.- The so called "oral lichen planus" represents a spectrum of different processes, the fundamental nexus of which is the clinical presence of white lineal papulae.
- 2.- The "white lineal papulae" is a clinical aspect which represents an unspecific reaction of the oral mucosa that may have multiple etiopathogenesis and different histological patterns.
- 3.- The correct diagnosis of any of these processes demands the knowledge of the clinical, histopathological and evolutive data.
- 4.- Each subtype of oral lichenoid disease shows a different malignant potential.

Classification proposal for Oral Lichenoid Disease (OLD)

1. Mucocutaneous Lichen Planus (MCLP)

- Presence of multiple white, symmetrical and bilateral reticular papulae in the oral mucosa.
- Presence of pruriginous papulae on the skin.
- Presence of white papulae in other mucosa (genital...)

2. Mucous Lichen Planus (MLP)

- Presence of multiple white, symmetrical and bilateral reticular papulae in the oral mucosa.
- Presence of white papulae in other mucosa (genital,...)

3. Oral Lichen Planus (OLP)

- Presence of multiple white, symmetrical and bilateral reticular papulae in the oral mucosa.

4. Reactive Oral Lichenoid Lesion (ROLL)

- Presence of single white asymmetrical or/and unilateral reticular papulae in the oral mucosa with identifiable cause.

5. Idiopathic Oral Lichenoid Lesion (IOLL)

- Presence of single white asymmetrical or/and unilateral reticular papulae in the oral mucosa without identifiable cause.

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References

- 1. Warnakulasuriya S, Johnson NW, Van der Waal I. Nomenclature and classification of potentially malignant disorders of the oral mucosa. J Oral Pathol Med. 2007 Nov;36(10):575-80.
- 2. Scully C, Carrozzo M. Oral mucosal disease: Lichen planus. Br J Oral Maxillofac Surg. 2008 Jan;46(1):15-21.
- 3. Al-Hashimi I, Schifter M, Lockhart PB, Wray D, Brennan M, Migliorati CA, et al. Oral lichen planus and oral lichenoid lesions: diagnostic and therapeutic considerations. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2007 Mar;103 Suppl:S25.e1-12.
- 4. Van der Meij EH, Schepman KP, Van der Waal I. The possible premalignant character of oral lichen planus and oral lichenoid lesions: a prospective study. Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 2003 Aug;96(2):164-71.
- 5. Thornhill MH, Sankar V, Xu XJ, Barrett AW, High AS, Odell EW, et al. The role of histopathological characteristics in distinguishing amalgam-associated oral lichenoid reactions and oral lichen planus. J Oral Pathol Med. 2006 Apr;35(4):233-40.
- 6. Lanfranchi-Tizeira HE, Aguas SC, Sano SM. Malignant transformation of atypical oral lichen planus: a review of 32 cases. Med Oral. 2003 Jan-Feb;8(1):2-9.
- 7. Van der Meij EH, Mast H, Van der Waal I. The possible premalignant character of oral lichen planus and oral lichenoid lesions: a prospective five-year follow-up study of 192 patients. Oral Oncol. 2007 Sep;43(8):742-8.

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Med Oral Patol Oral Cir Bucal. 2008 Apr1;13(4):E224. http://www.medicinaoral.com/medoralfree01/v13i4/medoralv13i4p224.pdf