

**Table S1.** Oral plasma cell mucositis: a review of literature.

Study/year of publication	Age/Gender	Symptoms	Site of the lesion	Description of the lesion	Comorbidities	Histopathology	Immuno-histochemistry
Shanahan et al./ 2020	62/F	<ul style="list-style-type: none"> <li>• Xerostomia</li> <li>• Dysphagia</li> <li>• Hoarseness</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Palate</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> <li>• Ulceration</li> </ul>	<ul style="list-style-type: none"> <li>• Allergic rhinitis</li> <li>• Occasional migraines</li> <li>• Gastro-oesophageal reflux disease</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Normal k:λ ratio
Dhir et al./ 2012	28/M	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Burning</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Erythema</li> <li>• Edema</li> <li>• Pseudo-pockets</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Spongiosis</li> <li>• Psoriasiform epithelial hyperplasia</li> <li>• Leukocytes exocytosis</li> <li>• Neutrophilic micro-abscess</li> </ul>	NA
Dos Santos et al./ 2019	56/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Ulceration</li> <li>• Secondary impetigo</li> </ul>	<ul style="list-style-type: none"> <li>• Hypertension</li> <li>• Diabetes mellitus</li> </ul>	<ul style="list-style-type: none"> <li>• Parakeratosis</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> </ul>	k:λ ratio= λ>k

						<ul style="list-style-type: none"> <li>• Eosinophils</li> <li>• Russell bodies</li> </ul>	
Kuriyama et al./2019	65/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Dysphagia</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Ulceration</li> </ul>	<ul style="list-style-type: none"> <li>• Intellectual disability</li> <li>• Epilepsy</li> <li>• Benign prostatic hypertrophy</li> </ul>	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Liu et al. /2017	18/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erosion</li> <li>• Secondary impetigo</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Atrophy</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> <li>• Neutrophils</li> <li>• IgG+</li> </ul>	Normal k:λ ratio
Arun et al./2017	13/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Pseudo-pockets</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	k:λ ratio= k>λ
Panpradit and Lapthanasupkul et al./ 2017	35/F	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Burning</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> <li>• Erosion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Spongiosis</li> <li>• Exocytosis</li> </ul>	DIF: IgG- , IgM +, IgA+, C3+, Fibrinogen+.

				<ul style="list-style-type: none"> <li>• Swelling</li> </ul>		<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> </ul>	
Lee JY et al./2017	64.7*/9xM, 4xF	<ul style="list-style-type: none"> <li>• 7x Pricking</li> <li>• 6x Pain</li> <li>• 3x Pruritus</li> <li>• 2x Burning</li> <li>• 9x Bleeding</li> <li>• 1x Asymptomatic</li> <li>• 9x Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• 13x Lip</li> </ul>	<ul style="list-style-type: none"> <li>• 8x Erythematous plaques</li> <li>• 5x Keratotic plaques</li> <li>• 10x Erosion</li> <li>• 2x Ulceration</li> <li>• 9x Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• 13x Dense plasma cell-rich infiltrate</li> <li>• 9x Eosinophils</li> <li>• 5x Neutrophils</li> <li>• 8x Acanthosis</li> <li>• 4x Edema</li> <li>• 6x Parakeratosis</li> <li>• 8x Vacuolar degeneration</li> </ul>	x 9 k:λ ratio= k>λ
Vinay et al./2016	38/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Secondary impetigo</li> <li>• Swelling</li> <li>• Erosion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> </ul>	Normal k:λ ratio

Trehan et al./ 2016	39/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>Dysphagia</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> <li>• Buccal mucosa</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> <li>• Ulceration</li> </ul>	<ul style="list-style-type: none"> <li>• Iron-deficiency anaemia</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Prasanna et al./ 2016	19/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Edema</li> <li>• Erythema</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Pseudo-epitheliomatous hyperplasia</li> <li>• Parakeratosis</li> <li>• Spongiosis</li> <li>• Lymphocytes</li> <li>• Neutrophilic micro-abscess</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Russel bodies</li> <li>• Dilated capillaries</li> </ul>	NA
	15/M	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Dysphonia</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Sea food allergy</li> </ul>	<ul style="list-style-type: none"> <li>• Pseudo-epitheliomatous hyperplasia</li> <li>• Parakeratosis</li> <li>• Spongiosis</li> </ul>	NA

						<ul style="list-style-type: none"> <li>• Lymphocytes</li> <li>• Neutrophilic micro-abscess</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Russel bodies</li> <li>• Dilated capillaries</li> </ul>	
Saluja et al./ 2016	25/M	<ul style="list-style-type: none"> <li>• Dysphagia</li> <li>• Swelling</li> <li>• Bilateral cervical lymphadenopathy</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Erythema</li> <li>• Pseudo-pockets</li> <li>• Bone loss</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Polyclonal gammopathy</li> <li>• Aggressive periodontitis</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> </ul>	NA
Yamaguchi et al./ 2016	58/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Ulceration</li> <li>• Secondary impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

Galvin et al. /2016	68/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Palate</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Ulceration</li> <li>• Erythema</li> <li>• Desquamati ve gingivitis</li> </ul>	<ul style="list-style-type: none"> <li>• Skin rash</li> <li>• Lichen Planus</li> <li>• Arterial hypertension</li> <li>• Hiatus hernia</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	61/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Buccal mucosa</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> <li>• Ulceration</li> </ul>	<ul style="list-style-type: none"> <li>• Celiac disease</li> <li>• Hyperlipidemia</li> <li>• Parathyroid adenoma</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Acantholysis</li> <li>• Neutrophilic micro-abscess</li> </ul>	NA
	69/M	<ul style="list-style-type: none"> <li>• Globus pharyngeus</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Tongue</li> <li>• Palate</li> <li>• Oropharynx</li> </ul>	<ul style="list-style-type: none"> <li>• Desquamati ve gingivitis</li> <li>• Ulceration</li> <li>• Tongue atrophy</li> <li>• Papillary hyperplasia</li> </ul>	<ul style="list-style-type: none"> <li>• Ischemic heart disease</li> <li>• Previous myocardial infarction</li> <li>• Previous prostate cancer</li> <li>• Hypothyroidism</li> <li>• Diabetes mellitus</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

Mukherjee et al./ 2015	26/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Erythema</li> <li>• Edema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Epithelial hyperplasia</li> <li>• Elongated rete pegs</li> </ul>	k:λ ratio= k>λ
Fujimura et al./ 2015	55/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> </ul>	NA
Błazewicz et al./ 2015	74/F	<ul style="list-style-type: none"> <li>• Dysphagia</li> <li>• Reduction in mouth opening</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> <li>• Palate</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> <li>• Erosion</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Arterial hypertension</li> <li>• Diabetes mellitus type 2</li> <li>• Coronary heart disease</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Ranganathan et al./2015	20/M	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Epithelial atrophy</li> </ul>	NA

Braga et al. /2016	40/F	<ul style="list-style-type: none"> <li>• Asymptomatic</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Warty lesion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Elongated rete ridges</li> <li>• Exocytosis</li> <li>• Eosinophils</li> </ul>	NA
Khatri et al./2014	52/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Burning</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> <li>• Neutrophils</li> <li>• Macrophages</li> </ul>	NA
da Cunha Filho et al./2014	58/M	<ul style="list-style-type: none"> <li>• Asymptomatic</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Ulceration</li> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> <li>• Neutrophils</li> <li>• Russell bodies</li> </ul>	NA
Kumar et al./2015	42/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Exophytic and sessile lesion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Parakeratosis</li> <li>• Epithelial hyperplasia</li> </ul>	k:λ ratio= k>λ



		<ul style="list-style-type: none"> <li>• Reduction in mouth opening</li> <li>• Aesthetic deformities</li> <li>• Bleeding</li> <li>• Swelling</li> </ul>		<ul style="list-style-type: none"> <li>• Bone loss</li> <li>• Swelling</li> </ul>		<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Russell bodies</li> </ul>	
Gupta et al./2014	72/M	<ul style="list-style-type: none"> <li>• Dysphagia</li> <li>• Bleeding</li> <li>• Pain</li> <li>• Burning</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Palate</li> <li>• Oropharynx</li> <li>• Tongue</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> <li>• Erosion</li> <li>• Cobblestone appearance</li> </ul>	• Benign prostrate hyperplasia	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Normal k:λ ratio
Madhavarajan and Tighe / 2014	63/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bilateral cervical lymphadenopathy</li> </ul>	<ul style="list-style-type: none"> <li>• Buccal mucosa</li> <li>• Lip</li> <li>• Gingiva</li> </ul>	• Ulceration	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Epithelial hyperplasia</li> <li>• Neutrophils</li> <li>• Macrophages</li> </ul>	Normal k:λ ratio

Joshi and Shukla / 2015	27/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Pain</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Bone loss</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Epithelial hyperplasia</li> </ul>	NA
Yoshimura et al./ 2013	62/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erosion</li> <li>• Ulceration</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> <li>• Dilated capillaries</li> </ul>	NA
Makkar et al./ 2013	17/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Erythema</li> <li>• Edema</li> <li>• Bone loss</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Eosinophils</li> </ul>	NA
Abhishek and Rashmi, /2013	16/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> </ul>	NA

				<ul style="list-style-type: none"> <li>• Pseudo pockets</li> <li>• Swelling</li> </ul>			
Parashis et al./ 2015	32/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Burning</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Edema</li> <li>• Erythema</li> <li>• Bone loss</li> </ul>	<ul style="list-style-type: none"> <li>• Generalized aggressive periodontitis</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Parakeratosis</li> <li>• Spongiosis</li> <li>• Exocytosis</li> <li>• Elongated rete pegs</li> </ul>	Normal k:λ ratio
Swati et al./ 2014	21/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Epithelial hyperplasia</li> <li>• Parakeratosis</li> <li>• Elongated rete pegs</li> <li>• Lymphocytes</li> <li>• Dilated capillaries</li> </ul>	NA

	28/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>Erythema</li> <li>• Desquamative gingivitis</li> <li>• Pseudo-pockets</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	30/F	<ul style="list-style-type: none"> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Lamdari and Pradhan al./2012	29/F	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Edema</li> <li>• Epithelial hyperplasia</li> <li>• Lymphocytes</li> <li>• Dilated capillaries</li> </ul>	NA
Bali et al./ 2012	48/F	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

						<ul style="list-style-type: none"> <li>• Atrophy</li> </ul>	
Janam et al./ 2012	15/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Warty lesion</li> <li>• Gingival hypertrophy</li> <li>• Fissured lips</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Epithelial hyperplasia</li> <li>• Parakeratosis</li> </ul>	NA
Wood et al./ 2012	70/F	<ul style="list-style-type: none"> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Erythema</li> <li>• Pseudo-pockets</li> </ul>	<ul style="list-style-type: none"> <li>• Diffuse peripheral odontogenic fibroma</li> <li>• Diabetes mellitus</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Spongiosis</li> <li>• Exocytosis</li> <li>• Edema</li> </ul>	NA
Agarwal et al./ 2012	28/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Edema</li> <li>• Erythema</li> <li>• Bone loss</li> </ul>	<ul style="list-style-type: none"> <li>• Allergy to clove</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Epithelial hyperplasia</li> </ul>	NA
Shruthi et al./ 2011	57/F	<ul style="list-style-type: none"> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Alveolar mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Exophytic and sessile lesion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

				<ul style="list-style-type: none"> <li>• Bone loss</li> </ul>		<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Parakeratosis</li> <li>• Russell bodies</li> </ul>	
Anil / 2007	27/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	26/M	<ul style="list-style-type: none"> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Hanami et al./ 2011	66/M	<ul style="list-style-type: none"> <li>• Asymptomatic</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• IgG+</li> </ul>	Normal k:λ ratio
	71/M	<ul style="list-style-type: none"> <li>• Asymptomatic</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> <li>• Secondary impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• IgG+</li> </ul>	Normal k:λ ratio

Arduino et al./ 2011	11*/6xM, 5xF	<ul style="list-style-type: none"> <li>• 11x Pain</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• 11x Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma</li> <li>• cell-rich infiltrate</li> </ul>	Normal k:λ ratio
Patil et al./ 2010	29/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Pseudo pockets</li> <li>• Bone loss</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma</li> <li>• cell-rich infiltrate</li> <li>• Epithelial hyperplasia</li> <li>• Exocytosis</li> <li>• Edema</li> <li>• Neutrophils</li> <li>• Lymphocytes</li> <li>• Eosinophils</li> </ul>	NA
Saruya et al./ 2009	49/M	<ul style="list-style-type: none"> <li>• Asymptomatic</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erosion</li> <li>• Secondary impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma</li> <li>• cell-rich infiltrate</li> <li>• Lymphocytes</li> <li>• Dilated capillaries</li> </ul>	NA
Choi et al./ 2009	66/F	<ul style="list-style-type: none"> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erosion</li> <li>• Secondary impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma</li> <li>• cell-rich infiltrate</li> </ul>	NA

	68/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Ulceration</li> <li>• Secondary impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	65/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Ulceration</li> <li>• Secondary impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Solomon et al. /2008	60/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Dysphagia</li> <li>• Reduction in mouth opening</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Tongue</li> <li>• Palate</li> <li>• Lip</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Fissured tongue</li> <li>• Erythema</li> <li>• Erosion</li> <li>• Swelling</li> <li>• Small pink papules</li> </ul>	<ul style="list-style-type: none"> <li>• Fibromyalgia</li> <li>• Sjögren syndrome</li> <li>• Diabetes mellitus type 2</li> <li>• Arterial hypertension</li> <li>• Osteopenia</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• IgG+</li> </ul>	$k:\lambda$ ratio = $k > \lambda$
Rawal et al./ 2008	40/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> <li>• Ulceration</li> <li>• Bone loss</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Atrophy</li> <li>• Edema</li> <li>• Exocytosis</li> </ul>	NA



Najarian et al./2008	56/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erosion</li> <li>• Secondary Impetigo</li> </ul>	<ul style="list-style-type: none"> <li>• Acquired immunodeficiency syndrome</li> <li>• Hepatitis C</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> </ul>	$k:\lambda$ ratio = $k > \lambda$
Senol et al./2008	46/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Acanthosis</li> <li>• Russell bodies</li> <li>• Edema</li> </ul>	Normal $k:\lambda$ ratio
Farrier and Perkins/2008	53/F	<ul style="list-style-type: none"> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Secondary Impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	$k:\lambda$ ratio = $k > \lambda$
Tong et al./2007	59/M	<ul style="list-style-type: none"> <li>• Hoarseness</li> <li>• Xerostomia</li> <li>• Dysphagia</li> <li>• Cough</li> </ul>	<ul style="list-style-type: none"> <li>• Buccal mucosa</li> <li>• Alveolar mucosa</li> <li>• Oropharynx</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Normal $k:\lambda$ ratio

Tseng et al./2009	55/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Pain</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Secondary impetigo</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Eosinophils</li> <li>• Macrophages</li> </ul>	Normal k:λ ratio
Heinemann et al./ 2006	61/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Tongue</li> <li>• Lip</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion/Ulcration</li> </ul>	<ul style="list-style-type: none"> <li>• Hypertonia</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Pseudo-epitheliomatous hyperplasia</li> </ul>	NA
Yang et al./2005	56/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> <li>• Secondary impetigo</li> </ul>	<ul style="list-style-type: none"> <li>• Liver cirrhosis</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Parakeratosis</li> <li>• Edema</li> <li>• Atrophy</li> <li>• Dilated capillaries</li> <li>• Neutrophils</li> <li>• Lymphocytes</li> </ul>	NA

	69/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> <li>• Secondary impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Parakeratosis</li> </ul>	NA
	63/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Bharti and Smith/ 2003	42/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Dysphagia</li> </ul>	<ul style="list-style-type: none"> <li>• Buccal mucosa</li> <li>• Palate</li> </ul>	<ul style="list-style-type: none"> <li>• Cobblestone appearance</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Neutrophils</li> <li>• Eosinophils</li> <li>• Lymphocytes</li> <li>• Russell bodies</li> </ul>	NA
Roman et al./2002	13/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythematous plaque</li> </ul>	<ul style="list-style-type: none"> <li>• Low levels of both serum IgA and secretory IgA</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Epithelial hyperplasia</li> <li>• Acanthosis</li> <li>• Atrophy</li> </ul>	Normal k:λ ratio

Marker and Krogdahl/2002	30/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Ulceration</li> <li>• Bone loss</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Psoriasiform epithelial hyperplasia</li> <li>• Exocytosis</li> <li>• Spongiosis</li> <li>• Dilated capillaries</li> <li>• Neutrophils</li> <li>• Neutrophilic micro-abscesses</li> </ul>	Normal k:λ ratio
Kaur et al. /2001	47/M	<ul style="list-style-type: none"> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Acanthosis</li> <li>• Lymphocytes</li> </ul>	NA
Fogarty et al. /2001	27/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Hoarseness</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Oropharynx</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Normal k:λ ratio

						<ul style="list-style-type: none"> <li>• Pseudo-epitheliomatous hyperplasia</li> <li>• IgG+</li> </ul>	
Rocha et al./2004	60/F	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Secondary Impetigo</li> </ul>	<ul style="list-style-type: none"> <li>• Pulmonary tuberculosis</li> <li>• Nephrolithiasis</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Papillar epithelial hyperplasia</li> </ul>	NA
Smith et al./1999	59/M	<ul style="list-style-type: none"> <li>• Hoarseness</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Palate</li> <li>• Oropharynx</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythematous plaques</li> <li>• Gingival erythema</li> </ul>	<ul style="list-style-type: none"> <li>• Coeliac disease</li> <li>• Dermatitis herpetiformis</li> </ul>	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• IgG+</li> </ul>	NA
Lee MS et al./1996	84/F	<ul style="list-style-type: none"> <li>• Xerostomia</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Palate</li> <li>• Tongue</li> <li>• Buccal mucosa</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Warty lesions</li> </ul>	<ul style="list-style-type: none"> <li>• Previous carcinoma of the colon</li> <li>• Thyrotoxicosis</li> <li>• Atrial fibrillation</li> </ul>	<ul style="list-style-type: none"> <li>• Pseudo-epitheliomatous hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Normal k:λ ratio

					<ul style="list-style-type: none"> <li>• Coronary artery disease</li> <li>• Previous artery cerebro-vascular accident</li> </ul>	<ul style="list-style-type: none"> <li>• Lymphocytes</li> <li>• Eosinophils</li> <li>• Neutrophils</li> </ul>	
Mahler et al./1996	53/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> <li>• IgG+ (90%)</li> <li>• IgA+ IgM+ &lt; 5%</li> </ul>	Normal k:λ ratio
van de Kerkhof and van Baar/1995	80/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema,</li> <li>• Fissured lips</li> </ul>	<ul style="list-style-type: none"> <li>• Total hip replacement</li> <li>• Venous leg ulceration</li> <li>• Heart failure</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Acanthosis</li> <li>• Spongiosis</li> <li>• Lymphocytes</li> </ul>	NA
Tamaki et al./1994	56/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Parakeratosis</li> <li>• Edema</li> </ul>	NA

						<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	
	71/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Acanthosis</li> <li>• Edema</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Reed et al./1993	37/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> <li>• Edema,</li> <li>• Erythema</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Sollecito and Greenberg /1992	61/F	<ul style="list-style-type: none"> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	62/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> </ul>	<ul style="list-style-type: none"> <li>• Hashimoto's thyroiditis</li> <li>• Mild hypertension</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

Serio et al./ 1991	37/F	<ul style="list-style-type: none"> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Grattan et al./1992	68/M	<ul style="list-style-type: none"> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Palate</li> <li>• Lip</li> <li>• Oropharynx</li> </ul>	<ul style="list-style-type: none"> <li>• Papillary hyperplasia</li> <li>• Fissured lips</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Winter bronchitis</li> <li>• Peptic ulcer</li> </ul>	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Neutrophilic micro-abscesses</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• IgG+</li> </ul>	NA
	84/M	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Palate</li> <li>• Tongue</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Papillary hyperplasia</li> <li>• Erythematous plaques</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Atrophy</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Parakeratosis</li> <li>• Neutrophilic microabscesses</li> </ul>	NA



						• IgG+	
Timms and Sloan,/1991	70/F	<ul style="list-style-type: none"> <li>• Cough</li> <li>• Hoarseness</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Larynx</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	<ul style="list-style-type: none"> <li>• Seronegative</li> <li>• Rheumatoid arthritis</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	32/F	<ul style="list-style-type: none"> <li>• Hoarseness</li> <li>• Sore throat</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Larynx</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	57/M	<ul style="list-style-type: none"> <li>• Sore throat</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Larynx</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	<ul style="list-style-type: none"> <li>• Seronegative</li> <li>• Rheumatoid arthritis</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Jones and Kennedy /1988	52/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Fissured lips</li> </ul>	<ul style="list-style-type: none"> <li>• Atopic eczema</li> </ul>	<ul style="list-style-type: none"> <li>• Parakeratosis</li> <li>• Acanthosis</li> <li>• Edema</li> <li>• Elongated rete pegs</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

Timms et al./1988	70/F	<ul style="list-style-type: none"> <li>• Cough</li> <li>• Hoarseness</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Oropharyn</li> <li>• Palate</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	<ul style="list-style-type: none"> <li>• Rheumatoid arthritis</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Pseudo-epitheliomatous hyperplasia</li> <li>• Lymphocytes</li> <li>• Macrophages</li> <li>• IgG+</li> <li>• IgA+IgM+</li> </ul>	Normal k:λ ratio
White et al./1986	47/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Sore throat</li> <li>• Globus pharyngeus</li> </ul>	<ul style="list-style-type: none"> <li>• Buccal mucosa</li> <li>• Oropharyn</li> <li>• Lip</li> <li>• Tongue</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Fissured lip</li> </ul>	<ul style="list-style-type: none"> <li>• Psoriasis</li> </ul>	<ul style="list-style-type: none"> <li>• Acanthosis</li> <li>• Atrophy</li> <li>• Edema</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Nrmal k:λ ratio
Lubow et al./1984	36/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Ulceration</li> </ul>	<ul style="list-style-type: none"> <li>• Psoriasis</li> </ul>	<ul style="list-style-type: none"> <li>• Psoriasiform epithelial hyperplasia</li> <li>• Atrophy</li> </ul>	NA

						<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	
Palmer and Eveson/1981	29/F	<ul style="list-style-type: none"> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	<ul style="list-style-type: none"> <li>• Asthma</li> </ul>	<ul style="list-style-type: none"> <li>• Psoriasiform epithelial hyperplasia</li> <li>• Elongated rete pegs</li> <li>• Atrophy</li> <li>• Spongiosis</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Neutrophils</li> <li>• Lymphocytes</li> </ul>	NA
	52/M	<ul style="list-style-type: none"> <li>• Asymptomatic</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> </ul>	<ul style="list-style-type: none"> <li>• Psoriasis</li> <li>• Paget's disease</li> </ul>	<ul style="list-style-type: none"> <li>• Psoriasiform epithelial hyperplasia</li> <li>• Elongated rete pegs</li> <li>• Atrophy</li> <li>• Spongiosis</li> </ul>	NA

						<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Neutrophils</li> <li>• Lymphocytes</li> </ul>	
Silverman and Lozada /1977	42,5*/12xF, 4xM	<ul style="list-style-type: none"> <li>• x9 Bleeding</li> <li>• x16 Pain</li> </ul>	<ul style="list-style-type: none"> <li>• x1 Buccal mucosa</li> <li>• x1 Floor of the mouth <ul style="list-style-type: none"> <li>• x16 Gingiva</li> </ul> </li> <li>• x15 Tongue</li> <li>• x16 Lip</li> </ul>	<ul style="list-style-type: none"> <li>• x16 erythema</li> <li>• x16 Angular Cheilitis</li> </ul>	<ul style="list-style-type: none"> <li>• x2 Cardiovascular disease</li> <li>• x1 Polycythemia vera,</li> <li>• x1 Arthritis</li> <li>• x1 Low hemoglobin</li> <li>• x1 Allergies</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Baughman et al./ 1974	67/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> </ul>	<ul style="list-style-type: none"> <li>• Mild degenerative arthritis</li> <li>• Hypertension</li> </ul>	<ul style="list-style-type: none"> <li>• Acanthosis</li> <li>• Elongated rete pegs</li> <li>• Spongiosis</li> <li>• Exocytosis</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

Kerr et al./1971	59/F	<ul style="list-style-type: none"> <li>• Burning</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Angular cheilitis</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Carcinoma of the endometrium</li> </ul>	<ul style="list-style-type: none"> <li>• Papillar epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Mast cells</li> </ul>	NA
	27/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Dysphagia</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Palate</li> <li>• Lip</li> <li>• Buccal mucosa</li> <li>• Tongue</li> </ul>	<ul style="list-style-type: none"> <li>• Angular cheilitis</li> <li>• Secondary impetigo</li> <li>• Edema</li> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Papillar epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Mast cells</li> </ul>	NA
	11/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> <li>• Oropharynx</li> </ul>	<ul style="list-style-type: none"> <li>• Angular cheilitis</li> <li>• Secondary impetigo</li> </ul>	<ul style="list-style-type: none"> <li>• Frequent upper respiratory infections</li> <li>• Ashma</li> </ul>	<ul style="list-style-type: none"> <li>• Papillar epithelial hyperplasia</li> </ul>	NA

			<ul style="list-style-type: none"> <li>• Tongue</li> </ul>	<ul style="list-style-type: none"> <li>• Fissured tongue and lip</li> <li>• Edema</li> <li>• Erythema</li> <li>• Gingival</li> <li>• Hyperplasia</li> <li>• Swelling</li> </ul>		<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Mast cells</li> </ul>	
	28/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> <li>• Oropharynx</li> </ul>	<ul style="list-style-type: none"> <li>• Angular cheilitis</li> <li>• Fissured lip</li> <li>• Swelling</li> <li>• Edema</li> <li>• Erythema</li> </ul>	<ul style="list-style-type: none"> <li>• Angioneurotic edema</li> </ul>	<ul style="list-style-type: none"> <li>• Papillar epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Mast cells</li> </ul>	NA
	27/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> <li>• Tongue</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Angular cheilitis</li> <li>• Secondary impetigo</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Papillar epithelial hyperplasia</li> </ul>	NA

				<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Swelling</li> </ul>		<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Mast cells</li> </ul>	
	18/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> <li>• Tongue</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Angular cheilitis</li> <li>• Fissured lip</li> <li>• Tongue atrophy</li> </ul>	<ul style="list-style-type: none"> <li>• Allergy</li> </ul>	<ul style="list-style-type: none"> <li>• Papillar epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Mast cells</li> </ul>	NA
	24/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Dysphagia</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> <li>• Tongue</li> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Angular cheilitis</li> <li>• Fissured lip</li> <li>• Fissured tongue</li> <li>• Gingival Hyperplasia</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Papilalr epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

				<ul style="list-style-type: none"> <li>• Erythema</li> </ul>		<ul style="list-style-type: none"> <li>• Dilated capillaries</li> <li>• Mast cells</li> </ul>	
	21/M	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Tongue</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Angular cheilitis</li> <li>• Fissured lip</li> <li>• Fissured tongue</li> <li>• Erythema</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Papilar epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Mast cells</li> </ul>	NA
Owings/ 1969	26/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Bleeding</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Tongue</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> <li>• Angular cheilitis</li> <li>• Fissured tongue</li> <li>• Swelling</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Exocytosis</li> </ul>	NA
	47/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Tongue</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Angular Cheilitis</li> </ul>	<ul style="list-style-type: none"> <li>• Arthritis</li> <li>• Thyroid disease</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA



						<ul style="list-style-type: none"> <li>• Edema</li> <li>• Atrophy</li> </ul>	
	44/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Dysphagia</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Tongue</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> <li>• Fissured tongue</li> <li>• Angular Cheilitis</li> </ul>	<ul style="list-style-type: none"> <li>• Ovarian cyst</li> </ul>	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Parakeratosis</li> <li>• Elongated rete pegs</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Mast cells</li> <li>• Lymphocytes</li> </ul>	NA
Poswillo /1968	37/F	<ul style="list-style-type: none"> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Hyperplasia</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Acanthosis</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	39/F	<ul style="list-style-type: none"> <li>• Asymptomatic</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Acanthosis</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
	21/F	<ul style="list-style-type: none"> <li>• Asymptomatic</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Hyperplasia</li> </ul>	<ul style="list-style-type: none"> <li>• Down syndrome</li> </ul>	<ul style="list-style-type: none"> <li>• Acanthosis</li> </ul>	NA

			<ul style="list-style-type: none"> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> </ul>		<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	
Lightstone et al. /1960	45/M	<ul style="list-style-type: none"> <li>• Xerostomia</li> <li>• Asthenia</li> <li>• Bleeding</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> <li>• Oropharynx</li> </ul>	<ul style="list-style-type: none"> <li>• Erosion/Ulcration</li> </ul>	<ul style="list-style-type: none"> <li>• Multiple myeloma</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> </ul>	NA
Micucci et al./2021	57/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Palate</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema/Ulcration</li> </ul>	<ul style="list-style-type: none"> <li>• Dermatitis</li> <li>• Eczema</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Normal k:λ ratio
Cohen et al./2021	80/M	<ul style="list-style-type: none"> <li>• Bleeding</li> <li>• Pain</li> <li>• Burning</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema/Ulcration</li> <li>• Secondary impetigo</li> <li>• Cheilitis</li> </ul>	<ul style="list-style-type: none"> <li>• Myelodysplastic Syndrome</li> <li>• Anemia</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Lymphocytes</li> </ul>	Normal k:λ ratio
Tailor et al./2021	47/M	<ul style="list-style-type: none"> <li>• Burning</li> <li>• Bleeding</li> <li>• Dysphonia</li> <li>• Dysphagia</li> </ul>	<ul style="list-style-type: none"> <li>• Lip</li> <li>• Buccal mucosa</li> <li>• Palate</li> <li>• Gingiva</li> <li>• Tongue</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema/Ulcration</li> <li>• Desquamative gingivitis</li> <li>• Cobbleston appearance</li> </ul>	<ul style="list-style-type: none"> <li>• Schizophrenia</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Normal k:λ ratio

				<ul style="list-style-type: none"> <li>• Fissured tongue</li> <li>• Secondary impetigo</li> </ul>			
	39/M	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Palate</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema/Ulceration</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Vishnu et al./2020	13/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> <li>• Pseudo-pockets</li> <li>• Gingival hypertrophy</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Lymphocytes</li> <li>• Fibrosis</li> </ul>	NA
Ketkar et al./2021	24/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Desquamative gingivitis</li> <li>• Pseudo-pockets</li> </ul>	<ul style="list-style-type: none"> <li>• Asymptomatic patchy skin lesions</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA

				<ul style="list-style-type: none"> <li>• Swelling</li> </ul>		<ul style="list-style-type: none"> <li>• Dilated capillaries</li> <li>• Parakeratosis</li> </ul>	
Genet et al.,/2021	61/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Swelling</li> </ul>	<ul style="list-style-type: none"> <li>• IgG kappa multiple myeloma (MM) in complete remission</li> <li>• Hypothyroidism</li> <li>• Primary Sjögren's syndrome</li> <li>• Depression</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	Normal k:λ ratio
Lu et al., /2020	15/M	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Exophytic, pedunculated, lesion</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Russel bodies</li> <li>• Dilated capillaries</li> </ul>	Normal k:λ ratio

Konidena et.,/2014	28/M	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Gingival hypertrophy</li> </ul>	<ul style="list-style-type: none"> <li>• Muscular dystrophy type II</li> </ul>	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Shivalingu et al., /2016	12/F	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> <li>• Burning</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> <li>• Desquamative gingivitis</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Negi et al.,/2019	12/M	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Edema</li> <li>• Pseudo-pockets</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Epithelial hyperplasia</li> <li>• Parakeratosis</li> </ul>	Normal k:λ ratio
Chauhan et al.,/2019	18/M	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> <li>• Lip</li> </ul>	<ul style="list-style-type: none"> <li>• Swelling</li> <li>• Edema</li> <li>• Gingival hypertrophy</li> <li>• Pseudo-pockets</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> <li>• Parakeratosis</li> <li>• Elongated rete pegs</li> </ul>	Normal k:λ ratio

						• Lymphocytes	
Antonelli et al., /2020	14/F	<ul style="list-style-type: none"> <li>• Pain</li> <li>• Burning</li> <li>• Dysgeusia</li> <li>• Hoarseness</li> <li>• Sore throat</li> </ul>	<ul style="list-style-type: none"> <li>• Tongue</li> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Erythema</li> <li>• Ulceration</li> </ul>	NA	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	k:λ ratio= k> λ
Gasparro et al./2019	78/F	<ul style="list-style-type: none"> <li>• Pain</li> </ul>	<ul style="list-style-type: none"> <li>• Buccal mucosa</li> </ul>	<ul style="list-style-type: none"> <li>• Erythema</li> <li>• Erosion</li> <li>• Ulceration</li> </ul>	• Hypertension	<ul style="list-style-type: none"> <li>• Dense plasma cell-rich infiltrate</li> </ul>	NA
Macleod et al., /1989	47 M	<ul style="list-style-type: none"> <li>• Bleeding</li> </ul>	<ul style="list-style-type: none"> <li>• Gingiva</li> </ul>	<ul style="list-style-type: none"> <li>• Hyperplasia</li> <li>• Erythema</li> <li>• Desquamation</li> </ul>	• Hayfever	<ul style="list-style-type: none"> <li>• Edema</li> <li>• Dense plasma cell-rich infiltrate</li> <li>• Dilated capillaries</li> <li>• Neutrophilic micro-abscess</li> </ul>	k:λ ratio= k> λ