Table S1. Excluded studies during the evaluation process with reasons for exclusion.

Author and year	Issue of examination	Reason for exclusion
John et al. 2007	OHRQoL of patients with temporomandibular disorders	No examination of patients with rheumatic diseases
Rener-Sitar et al. 2008	OHRQoL of patients with craniomandibular disorders	No examination of patients with rheumatic diseases
Larsson 2010	Evaluation of OHRQoL assessment tools in Swedish polulation	No examination of patients with rheumatic diseases
Rener-Sitar et al. 2013	Impact of temporomandibular disorders on OHRQoL	No examination of patients with rheumatic diseases
Su et al. 2014	Influence of hyaluronic acid injection on OHRQoL of patients with temporomandibular joint osteoarthritis	No examination of patients with rheumatic diseases (osteoarthritis restricted to the temporomandibular joint)
Ahola et al. 2015	OHRQoL of patients with rheumatic diseases	No verified diagnosis of rheumatic diseases (survey via mail)
Santos et al. 2015	OHRQoL of patients with idiopathic juvenile arthritis	Age < 18 years
Su et al. 2016	OHRQoL of patients with temporomandibular joint osteoarthritis	No examination of patients with rheumatic diseases (osteoarthritis restricted to the temporomandibular joint)
Su et al. 2018	OHRQoL of patients with temporomandibular joint osteoarthritis	No examination of patients with rheumatic diseases (osteoarthritis restricted to the temporomandibular joint)
Rahimi et al. 2018	OHRQoL of patients with idiopathic juvenile arthritis	Age < 18 years
Isola et al. 2019	OHRQoL of patients with idiopathic juvenile arthritis	Age < 18 years
Su et al. 2019	OHRQoL of patients with temporomandibular joint osteoarthritis	No examination of patients with rheumatic diseases (osteoarthritis restricted to the temporomandibular joint)
Bucci et al. 2019	OHRQoL of patients with idiopathic juvenile arthritis	Age < 18 years

OHRQoL: oral health-related quality of life

Supplementary table S1 References:

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Table S2. Oral health parameters that were examined related to OHRQoL in the included studies.

Author, year	Dental paramers	Periodontal parameters	Other oral health parameters
Rheumatoid arthritis			
Blaizot et al. 2013 [9]	number of teeth, need for conservative dental treatment, need for prosthetic treatment	need for periodontal treatment	no
Mühlberg et al. 2017 [13]	DMF-T	periodontal disease severity	no
Chamani et al. 2017 [14]	DMF-T, denture wearing	no	xerostomia
Tristiu et al. 2018 [15]	tooth loss, denture wearing	periodontitis severity	no
de Azevedo Branco et al. 2019 [11]	DMF-T, M-T, denture wearing	presence of periodontitis	stimulated and unstimulated salivary flow
Nosratzehi et al. 2019 [16]	no	no	no
Schmalz et al. 2020 [17]	dental treatment need, M-T	no	no
Systemic sclerosis			
Maddali Bongi et al. 2012 [10]	no	no	mouth opening
Yuen et al. 2014 [19]	no	no	no

Baron et al. 2014 [20]	D-T, F-T, M-T	number of teeth with probing depth >3mm or CAL ≥5.5	interincisal distance, salivary flow
Baron et al. 2015 [21]	no	no	no
Parat et al. 2018 [22]	no	no	no
Sjögren Syndrome			
McMillan et al. 2004 [23]	no	no	no
Azuma et al. 2014 [24]	no	no	salivary flow, salivary level of epidermal growth factor
Azuma et al. 2015 [25]	no	no	salivary level of epidermal growth factor
Rusthen et al. 2017 [26]	no	no	stimulated and unstimulated salivary flow
Nesvold et al. 2018 [27]	no	no	stimulated and unstimulated salivary flow
Amaral et al. 2018 [28]	no	no	stimulated and unstimulated salivary flow
Fernandez-Martinez et al. 2019 [8]	no	no	unstimulated salivary flow
daMata et al. 2019 [29]	denture wearing	periodontal status	salivary output
Behcet´s disease			
Mumcu et al. 2006 [30]	number of teeth	no	oral apthous ulcers
Mumcu et al. 2007 [31]	extracted teeth	no	oral apthous ulcers
Mumcu et al. 2009 [32]	carious teeth, extracted teeth, filled teeth, number of teeth, Plaque index	gingival index, Sulcus bleeding index, clinical attachment level	oral apthous ulcers
Naito et al. 2014 [33]	no	no	oral apthous ulcers
Systemic lupus erythematosus			
Correa et al. 2018 [34]	DMF-T, D-T, F-T, M-T, denture wearing	presence of periodontitis	stimulated and unstimulated salivary flow
Ankylosing Spondylitis			
Schmalz et al. 2018 [12]	DMF-T, D-T, M-T	periodontal disease severity	no

DMF-T: decyed-, missing- and filled teeth index, D-T: number of decaed teeth, F-T: number of filled teeth, M-T: number of missing teeth, CAL: clinical attachment loss.