Supplementary files

Nutritional intervention for Sjögren disease: a systematic review

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Supplementary file S1. Search strategies employed to identify articles in electronic databases

PubMed	(("Sjogren's Syndrome" OR "Sjogrens Syndrome" OR "Syndrome, Sjogren's" OR "Sjogren Syndrome" OR "Sicca Syndrome" OR "Syndrome, Sicca" OR Sjögren or Sjogren) AND (nutrition OR "nutritional status" OR "Status, Nutritional" OR "Nutrition Status" OR "Status, Nutrition" OR nutritionist OR diet OR diets OR nutrient OR nutrients OR Malnutrition OR "vitamin supplementation" OR "oral supplementation" OR "calorie restriction" OR "dietary intervention" OR "dietary patterns")) AND (xerostomia OR Xerostomias OR Hyposalivation OR Hyposalivations OR "dry mouth" OR "salivary gland")
Embase	('sjogrens syndrome' OR 'sjogren syndrome' OR 'sicca syndrome' OR 'syndrome, sicca' OR sjögren OR sjogren) AND (nutrition OR 'nutritional status' OR 'status, nutritional' OR 'nutrition status' OR 'status, nutrition' OR nutritionist OR diet OR diets OR nutrient OR nutrients OR malnutrition OR 'vitamin supplementation' OR 'oral supplementation' OR 'calorie restriction' OR 'dietary intervention' OR 'dietary patterns') AND (xerostomia OR xerostomias OR hyposalivation OR hyposalivations OR 'dry mouth' OR 'salivary gland')
Web of Science and Scopus	((ALL=(xerostomia OR xerostomia OR Hyposalivation OR hyposalivation OR "dry mouth" OR "salivary gland")) AND ALL=(nutrition OR “nutritional status” OR “Status, Nutritional” OR “Nutrition Status” OR “Status, Nutrition” OR nutritionist OR diet OR diets OR nutrient OR nutrients OR Malnutrition OR "vitamin supplementation" OR "oral supplementation" OR "calorie restriction" OR "dietary intervention" OR "dietary patterns")) AND ALL=("Sjogren's Syndrome" OR "Sjogrens Syndrome" OR "Syndrome, Sjogren's" OR "Sjogren Syndrome" OR "Sicca Syndrome" OR "Syndrome, Sicca" OR Sjögren or Sjogren)

Supplementary file S2. Joanna Briggs Institute (JBI) critical appraisal checklist for case reports

Study	Were the patient's demographic characteristics clearly described?	Was the patient's history clearly described and presented as a timeline?	Was the current clinical condition of the patient on presentation clearly described?	Were diagnostic tests or asses0073ment methods and the results clearly described?	Was the intervention(s) or treatment procedure(s) clearly described?	Was the post-intervention clinical condition clearly described?	Were adverse events (harms) or unanticipated events identified and described?	Does the case report provide takeaway lessons?
Raffle, 1950	Yes	Yes	Yes	Yes	Yes	No	No	Yes
Maclaurin et al., 1972	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Horrobin, 1980	Yes	Yes	No	No	No	Yes	No	Yes
McKendry, 1982	No	No	No	Yes	Yes	Yes	Unclear	Yes
Liao et al., 2013	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes
Goldner et al., 2024	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes

Supplementary file S3. Joanna Briggs Institute (JBI) critical appraisal checklist for case-control studies

Study	Were the groups comparable other than the presence of disease in cases or the absence of disease in controls?	Were cases and controls matched appropriately?	Were the same criteria used for identification of cases and controls?	Was exposure measured in a standard, valid and reliable way?	Was exposure measured in the same way for cases and controls?	Were confounding factors identified?	Were strategies to deal with confounding factors stated?	Were outcomes assessed in a standard, valid and reliable way for cases and controls?	Was the exposure period of interest long enough to be meaningful?	Was appropriate statistical analysis used?
Peen et al., 2008	Yes	Yes	Unclear	Yes	Yes	Yes	No	Unclear	Unclear	Yes

Supplementary file S4. Joanna Briggs Institute (JBI) critical appraisal checklist for Randomized Controlled Trials

Study	Was true randomization used for assignment of participants to treatment groups?	Was allocation to treatment groups concealed?	Were treatment groups similar at the baseline?	Were participants blind to treatment assignment?	Were those delivering the treatment blind to treatment assignment?	Were treatment groups treated identically other than the intervention of interest?	Were outcome assessors blind to treatment assignment?	Were outcomes measured in the same way for treatment groups?	Were outcomes measured in a reliable way	Was follow up complete and if not, were differences between groups in terms of their follow up adequately described and analysed?	Were participants analysed in the groups to which they were randomized?	Was appropriate statistical analysis used?	Was the trial design appropriate and any deviations from the standard RCT design (individual randomization, parallel groups) accounted for in the conduct and analysis of the trial?
Al-Rawi et al., 2024	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Unclear	Yes
Singh et al., 2010	Unclear	No	Yes	Yes	Yes	Yes	Unclear	Yes	Unclear	Yes	Yes	Unclear	Yes
Pedersen et al., 1999	Unclear	Unclear	Yes	Yes	Yes	Yes	Unclear	Yes	Yes	Yes	Yes	Yes	Yes

Supplementary file S5. SYRCLE Risk of Bias tool for animal studies

Study	Was the allocation sequence adequately generated and applied?	Were the groups similar at baseline or were they adjusted for confounders in the analysis?	Was the allocation adequately concealed?	Were the animals randomly housed during the experiment?	Were the caregivers and /or investigators blinded from knowledge which intervention each animal received during the experiment	Were animals selected at random for outcome assessment?	Was the outcome assessor blinded?	Were incomplete outcome data adequately addressed?	Are reports of the study free of selective outcome reporting?	Was the study apparently free of other problems that could result in high risk of bias?
Swanson et al., 1989	Unclear	Yes	No	No	No	Unclear	Yes	Unclear	Yes	No
Chandrasekar et al., 1995	Unclear	Yes	No	No	No	Unclear	No	Unclear	Yes	No
Inoue et al., 2016	Unclear	Yes	Unclear	No	No	Unclear	No	Unclear	Yes	No
Guo et al., 2021	Unclear	Yes	No	Unclear	No	Unclear	No	Unclear	Unclear	No
Wang et al., 2021	Unclear	Yes	Unclear	Yes	No	Yes	No	Unclear	Yes	No
Haupt-Jorgensen et al., 2021	Unclear	Yes	Unclear	Unclear	No	Yes	Yes	Yes	Yes	No
Zhang et al., 2022	Unclear	Yes	Unclear	Yes	No	Unclear	Yes	Unclear	Yes	No
Li et al., 2022	Unclear	Yes	No	No	No	Unclear	No	Unclear	Yes	No
Li et al., 2024	Unclear	Yes	Unclear	Unclear	No	Unclear	No	Unclear	Yes	No