

Supplementary file 1. A

PRISMA-P (Preferred Reporting Items for Systematic review and Meta-Analysis Protocols) 2015 checklist: recommended items to address in a systematic review protocol*

Section and topic	Item No	Checklist item	Page and line number
ADMINISTRATIVE INFORMATION			
Title:			
Identification	1a	Identify the report as a protocol of a systematic review	Page number 1 & line number 1-2
Update	1b	If the protocol is for an update of a previous systematic review, identify as such	NA
Registration	2	If registered, provide the name of the registry (such as PROSPERO) and registration number	Page number 2 & line number 43
Authors:			
Contact	3a	Provide name, institutional affiliation, e-mail address of all protocol authors; provide physical mailing address of corresponding author	Page number 1-2 & line number 13-42
Contributions	3b	Describe contributions of protocol authors and identify the guarantor of the review	
Amendments	4	If the protocol represents an amendment of a previously completed or published protocol, identify as such and list changes; otherwise, state plan for documenting important protocol amendments	Page number 4 & line number 122-123
Support:			
Sources	5a	Indicate sources of financial or other support for the review	NA
Sponsor	5b	Provide name for the review funder and/or sponsor	NA
Role of sponsor or funder	5c	Describe roles of funder(s), sponsor(s), and/or institution(s), if any, in developing the protocol	NA
INTRODUCTION			
Rationale	6	Describe the rationale for the review in the context of what is already known	Page number 4 & line number 92-112
Objectives	7	Provide an explicit statement of the question(s) the review will address with reference to participants, interventions, comparators, and outcomes (PICO)	Page number 4 & line number 113-118
METHODS			
Eligibility criteria	8	Specify the study characteristics (such as PICO, study design, setting, time frame) and report characteristics (such as years considered, language, publication status) to be used as criteria for eligibility for the review	Page number 5 & line number 127-138

Information sources	9	Describe all intended information sources (such as electronic databases, contact with study authors, trial registers or other grey literature sources) with planned dates of coverage	Page number 6 & line number 158-159
Search strategy	10	Present draft of search strategy to be used for at least one electronic database, including planned limits, such that it could be repeated	Supplementary file 2
Study records:			
Data management	11a	Describe the mechanism(s) that will be used to manage records and data throughout the review	Page number 6 & line number 167-170
Selection process	11b	State the process that will be used for selecting studies (such as two independent reviewers) through each phase of the review (that is, screening, eligibility and inclusion in meta-analysis)	Page number 6 & line number 170-178
Data collection process	11c	Describe planned method of extracting data from reports (such as piloting forms, done independently, in duplicate), any processes for obtaining and confirming data from investigators	Page number 7 & line number 186-189
Data items	12	List and define all variables for which data will be sought (such as PICO items, funding sources), any pre-planned data assumptions and simplifications	Page number 7 & line number 189-194
Outcomes and prioritization	13	List and define all outcomes for which data will be sought, including prioritization of main and additional outcomes, with rationale	Page number 7 & line number 193-194
Risk of bias in individual studies	14	Describe anticipated methods for assessing risk of bias of individual studies, including whether this will be done at the outcome or study level, or both; state how this information will be used in data synthesis	Page number 7 & line number 195-217
Data synthesis	15a	Describe criteria under which study data will be quantitatively synthesised	Page number 8 & line number 219-228
	15b	If data are appropriate for quantitative synthesis, describe planned summary measures, methods of handling data and methods of combining data from studies, including any planned exploration of consistency (such as I^2 , Kendall's τ)	Page number 8 & line number 229
	15c	Describe any proposed additional analyses (such as sensitivity or subgroup analyses, meta-regression)	Page number 8 & line number 228-234
	15d	If quantitative synthesis is not appropriate, describe the type of summary planned	NA
Meta-bias(es)	16	Specify any planned assessment of meta-bias(es) (such as publication bias across studies, selective reporting within studies)	Page number 8 & line number 236-241
Confidence in cumulative evidence	17	Describe how the strength of the body of evidence will be assessed (such as GRADE)	Page number 8 & line number 242-246

From: Shamseer L, Moher D, Clarke M, Ghersi D, Liberati A, Petticrew M, Shekelle P, Stewart L, PRISMA-P Group. Preferred reporting items for systematic review and meta-analysis protocols (PRISMA-P) 2015: elaboration and explanation. BMJ. 2015 Jan 2;349(jan02 1):g7647.

Supplementary file 1. B

Search strategy for all the data base

PubMed search strategy:

#1	((((((((((((((((((tobacco pouch keratosis[Title/Abstract]) OR (tobacco induced keratosis[Title/Abstract])) OR (tobacco use disorder[Title/Abstract])) OR ("keratosis"[MeSH Terms])) OR (Kerato*[Title/Abstract])) OR (white keratotic lesion[Title/Abstract])) OR (smokeless tobacco keratosis[Title/Abstract])) OR (smokeless tobacco associated keratosis[Title/Abstract])) OR (oral mucosal lesion*[Title/Abstract])) OR (oral premalignant condition*[Title/Abstract])) OR (oral premaligna*[Title/Abstract])) OR (oral premalignant lesion*[Title/Abstract])) OR (snuff dippers lesion[Title/Abstract])) OR (oral potentially malignant lesions[Title/Abstract])) OR (oral potentially malignant disorder*[Title/Abstract])) OR (smokeless tobacco types[Title/Abstract])) OR ("tobacco, smokeless"[MeSH Terms])) OR (tobacco consumption[Title/Abstract])) OR (tobacco induced oral changes[Title/Abstract])) OR (tobacco chewing habit*[Title/Abstract])) OR (tobacco related lesion[Title/Abstract])) OR (tobacco related lesion*[Title/Abstract])
#2	((((((((((prevalence[Title/Abstract]) OR (prevalence[MeSH Terms])) OR (frequency[Title/Abstract])) OR (distribution[Title/Abstract])) OR (incidence[Title/Abstract])) OR (incidence[MeSH Terms])) OR (epidemiology[Title/Abstract])) OR ("epidemiology"[MeSH Terms])) OR (epidemiologic studies[Title/Abstract])) OR (occur*[Title/Abstract])) OR ("epidemiologic studies"[MeSH Terms])
#3	((("india"[Title/Abstract]) OR (india*[Title/Abstract])) OR (india[MeSH Terms])
#4	#1 AND #2 AND #3

Embase search strategy:

1#	('tobacco pouch keratosis':ti,ab OR 'tobacco induced keratosis':ti,ab OR 'tobacco use disorder':ti,ab OR 'keratosis':ti,ab OR kerato*:ti,ab OR 'white keratotic lesion':ti,ab OR 'smokeless tobacco keratosis':ti,ab OR 'smokeless tobacco associated keratosis':ti,ab OR 'oral mucosal lesion*':ti,ab OR 'oral premalignant condition*':ti,ab OR 'oral premaligna*':ti,ab OR 'oral premalignant lesion*':ti,ab OR 'snuff dippers lesion':ti,ab OR 'oral potentially malignant lesions':ti,ab OR 'oral potentially malignant disorder*':ti,ab OR 'smokeless tobacco types':ti,ab OR 'tobacco smokeless':ti,ab OR 'tobacco consumption':ti,ab OR 'tobacco induced oral changes':ti,ab OR 'tobacco chewing habit*':ti,ab OR 'tobacco related lesion':ti,ab OR 'tobacco related lesion*':ti,ab)
#2	(prevalence:ti,ab OR frequency:ti,ab OR distribution:ti,ab OR incidence:ti,ab OR epidemiology:ti,ab OR 'epidemiologic studies':ti,ab OR occur*:ti,ab)
#3	('india':ti,ab OR india*:ti,ab)
#4	#1 AND #2 AND #3

Scopus search strategy:

1#	TITLE-ABS("tobacco pouch keratosis") OR TITLE-ABS("tobacco induced keratosis") OR TITLE-ABS("tobacco use disorder") OR TITLE-ABS(keratosis) OR TITLE-ABS(kerato*) OR TITLE-ABS("white keratotic lesion") OR TITLE-ABS("smokeless tobacco keratosis") OR TITLE-ABS("smokeless tobacco associated keratosis") OR TITLE-ABS("oral mucosal lesion*") OR TITLE-ABS("oral premalignant condition*") OR TITLE-ABS("oral premaligna*") OR TITLE-ABS("oral premalignant lesion*") OR TITLE-ABS("snuff dippers lesion") OR TITLE-ABS("oral potentially malignant lesions") OR TITLE-ABS("oral potentially malignant disorder*") OR TITLE-ABS("smokeless tobacco types") OR TITLE-ABS("tobacco smokeless") OR TITLE-
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	ABS("tobacco consumption") OR TITLE-ABS("tobacco induced oral changes") OR TITLE-ABS("tobacco chewing habit*") OR TITLE-ABS("tobacco related lesion") OR TITLE-ABS("tobacco related lesion*")
#2	TITLE-ABS(prevalence) OR TITLE-ABS(frequency) OR TITLE-ABS(distribution) OR TITLE-ABS(incidence) OR TITLE-ABS(epidemiology) OR TITLE-ABS("epidemiologic studies") OR TITLE-ABS(occur*)
#3	TITLE-ABS(india) OR TITLE-ABS(india*)
#4	#1 AND #2 AND #3

Google Scholar search strategy:

#1	("tobacco pouch keratosis" OR "oral potentially malignant lesions" OR "oral potentially malignant disorder*" OR "tobacco induced oral) AND (prevalence OR frequency OR distribution OR incidence OR epidemiology OR "epidemiologic studies" OR occur*) AND (india)
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Supplementary file 1. C

Table 1: Data extraction from

[illegible]