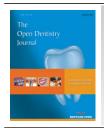
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### **Supplementary Material**



# Association of TAS1R2 (rs35874116 or rs9701796) Gene Polymorphism with Dental Caries: A Systematic Review and Meta-analysis

Paria Motahari<sup>1</sup>, Zahra Molaei<sup>2,\*</sup> and Ziya Ebrahim Adhami<sup>1</sup>

### PRISMA CHECKLIST

Section and Topic	Item #	Checklist item	Location where item is reported	
TITLE	•			
Title	1	Identify the report as a systematic review.	Title Page	
ABSTRACT				
Abstract	2	See the PRISMA 2020 for Abstracts checklist.	Page 2	
INTRODUCTION	•			
Rationale	3	Describe the rationale for the review in the context of existing knowledge.	Page 5, line 1	
Objectives	4	Provide an explicit statement of the objective(s) or question(s) the review addresses.	Page 4, line 4	
METHODS	•			
Eligibility criteria	5	Specify the inclusion and exclusion criteria for the review and how studies were grouped for the syntheses.	Page 5, line 11	
Information sources	6	Specify all databases, registers, websites, organisations, reference lists and other sources searched or consulted to identify studies. Specify the date when each source was last searched or consulted.	Page 5, line 3	
Search strategy	7	Present the full search strategies for all databases, registers and websites, including any filters and limits used.	Page 5, line 3	
Selection process	8	Specify the methods used to decide whether a study met the inclusion criteria of the review, including how many reviewers screened each record and each report retrieved, whether they worked independently, and if applicable, details of automation tools used in the process.	Page 5, line 11	
Data collection process	9	Specify the methods used to collect data from reports, including how many reviewers collected data from each report, whether they worked independently, any processes for obtaining or confirming data from study investigators, and if applicable, details of automation tools used in the process.	Page 5, line 1	
Data items	10a	List and define all outcomes for which data were sought. Specify whether all results that were compatible with each outcome domain in each study were sought (e.g. for all measures, time points, analyses), and if not, the methods used to decide which results to collect.		
	10b	List and define all other variables for which data were sought (e.g. participant and intervention characteristics, funding sources). Describe any assumptions made about any missing or unclear information.	-	
Study risk of bias assessment	11	Specify the methods used to assess risk of bias in the included studies, including details of the tool(s) used, how many reviewers assessed each study and whether they worked independently, and if applicable, details of automation tools used in the process.	-	

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<sup>&</sup>lt;sup>2</sup>Department of Pediatric Dentistry, Faculty of Dentistry, Tabriz University of Medical Sciences, Tabriz, Iran

Citem #5]).   Citem #5]    Ci	Location where item is reported
the study intervention characteristics and comparing against the planned groups for each synthesis (item 45).  13b Describe any methods required to prepare the data for presentation or synthesis, such as handling of missing summary statistics, or data conversions.  13c Describe any methods used to robusted or visually display results of individual studies and syntheses, expert any methods used to synthesize results and provide a rationale for the choice(s). If meta-analysis was performed, describe the model(s), method; to identify the presence and extent of statistical heterogencity, and software package(s) used.  13c Describe any methods used to explore possible causes of heterogencity among study results (e.g. subgroup analysis, meta-regression).  13d Describe any sensitivity analyses conducted to assess robustness of the synthesized results.  Reporting bias  14 Describe any methods used to assess risk of bias due to missing results in a synthesis (arising from reporting biases).  Describe any methods used to assess cretainty (or confidence) in the body of evidence for an option of the control of the properties of the surface of the number of records identified in the cearch to the number of studies included in the review, ideally using a flow diagram.  16b Cite studies that might appear to meet the inclusion criteria, but which were excluded, and explain why they were excluded.  17 Cite cach included study and present its characteristics.  18 Pesent assessments of risk of bias for each included study.  18 Pesent assessments of risk of bias for each included study.  19 For all outcomes, present, for each study; (a) summary statistics for each group (where appropriate) and the properties of the summary estimate and its precision (e.g. confidence/credible interval); ideally using structured tables or plots.  19 Pesent results of all statistical syntheses conducted to assess the robustness of statistical heterogeneity. If comparing groups, describe the direction of the effect.  20c Present results of all sensiti	-
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Competing interests 26 Declare any competing interests of review authors.	Page 9, line 3
	Page 9, line 9

Section and Topic	Item #	Checklist item	Location where item is reported
Availability of data, code and other materials		Report which of the following are publicly available and where they can be found: template data collection forms; data extracted from included studies; data used for all analyses; analytic code; any other materials used in the review.	-

From: Page MJ, McKenzie JE, Bossuyt PM, Boutron I, Hoffmann TC, Mulrow CD, et al. The PRISMA 2020 statement: an updated guideline for reporting systematic reviews. BMJ 2021;372:n71. doi: 10.1136/bmj.n71

For more information, visit: http://www.prisma-statement.org/

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