



# Saliva & clinical relevance

Topic cluster: Salivary S. mutans

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## *Main research topics:*

A1-1. Salivary S.mutans count as indicator for caries risk and activity. = 217 ARTICLES

**QUESTION: Is salivary S.mutans count related to caries?**

**ANSWER: [Click here](#)**

A1-2. Development of an anti-S.mutans vaccine. = 41 ARTICLES

**QUESTION: Can anti-S.mutans vaccine protect against caries?**

**ANSWER: [Click here](#)**

A1-3. Caries reduction to salivary antibody response to S.mutans = 30 ARTICLES

**QUESTION: Is the salivary antibody response in caries active patients greater then in non-caries patients?**

**ANSWER: [Click here](#)**

A1-4.Reduction of salivary S. mutans count through CHX. = 27 ARTICLES

**QUESTION: Does CHX reduce S. mutans count in saliva?**

**ANSWER: [Click here](#)**

A1-5.The association between mother and child salivary S.mutans count. = 26 ARTICLES

**QUESTION: Is the salivary S.mutans count of the mother related to the salivary count in the child?**

**ANSWER: [Click here](#)**

A1-6. Reduction of salivary S.mutans count by chewing Xylitol gum. = 14 ARTICLES

**QUESTION: Does chewing Xylitol chewing gum lead to a reduction in salivary S.mutans count?**

**ANSWER: [Click here](#)**

A1-7.The role of S.mutans in the biofilm formation on the tooth surface. = 13 ARTICLES

**QUESTION: Does S.mutans contribute to the formation of a cariogenic biofilm?**

**ANSWER: [Click here](#)**

A1-8.The association between diet and salivary S.mutans count. = 13 ARTICLES

**QUESTION: Is the salivary S.mutans count of related the type of food eaten?**

**ANSWER: [Click here](#)**

A1-9.Reduction of salivary S.mutans count by mouth rinsing with fluoride. = 12 ARTICLES

**QUESTION: Does mouth rinsing with fluoride lead to a reduction in salivary S.mutans count?**

**ANSWER: [Click here](#)**

A1-10The association between salivary and plaque S.mutans count. = 9 ARTICLES

**QUESTION: Is the S.mutans count in saliva and plaque associated?**

**ANSWER: [Click here](#)**

A1-11. Reliability of monitoring S.mutans using polymerase chain reaction (PCR). = 7 ARTICLES

**QUESTION: How reliable is monitoring S.mutans using polymerase chain reaction (PCR)?**

**ANSWER: [Click here](#)**

A1-12. Reduction of salivary S. mutans count through saliva flow increase. = 7 ARTICLES

**QUESTION: Does an increase in saliva flow reduce S. mutans count in saliva?**

**ANSWER: [Click here](#)**

A1-13. Changes in salivary S.mutans count under diabetes conditions = 6 ARTICLES

**QUESTION: Do patients who suffer from diabetes have a higher salivary S.mutans count than healthy persons?**

**ANSWER: [Click here](#)**

A1-14. Reliability of detecting S.mutans using Dentocult SM test. = 6 ARTICLES

**QUESTION: How reliable is the detection of S.mutans using Dentocult SM test?**

**ANSWER: [Click here](#)**

A1-15. Reduction of salivary S. mutans count through tooth brushing. = 5 ARTICLES

**QUESTION: Do patients have a lower salivary S.mutans count after tooth brushing than before?**

**ANSWER: [Click here](#)**

A1-16. Reduction of salivary S. mutans count through restorative treatment. = 5 ARTICLES

**QUESTION: Does restorative treatment reduce S. mutans count in saliva?**

**ANSWER: [Click here](#)**

A1-17. Association of salivary S. mutans count with socio-economic background. = 5 ARTICLES

**QUESTION: Is the S. mutans count in saliva associated with the socio-economic background of patients?**

**ANSWER: [Click here](#)**

***Minor research topics:***

1. Reduction of salivary S. mutans count through tetracycline. = 3 ARTICLES
2. Changes in salivary S.mutans count under SS conditions =3 ARTICLES
3. Reduction of salivary S. mutans count through fluoride. = 3 ARTICLES
4. Association of salivary S. mutans count with orthodontic treatment. = 3 ARTICLES
5. Association of salivary S. mutans count with the plaque index. = 2 ARTICLES
6. Reduction of salivary S. mutans count through Actinobacillus actinomycetemcomitans. = 2 ARTICLES
7. Reduction of salivary S. mutans count through mastic gum chewing. = 2 ARTICLES
8. Reduction of salivary S. mutans count through fissure sealing. = 2 ARTICLES
9. Reduction of salivary S. mutans count through barley coffee. = 2 ARTICLES
10. The association between S.mutans adherence level and caries activity . = 2 ARTICLES
11. Association of lead contamination with salivary S. mutans count. = 2 ARTICLES
12. Association of saliva proteins with salivary S. mutans count. = 2 ARTICLES
13. Reliability of the dip-slide S.mutans test = 2 ARTICLES
14. Reduction of salivary S. mutans count through CHX chewing gum. = 2 ARTICLES
15. Reduction of salivary S. mutans count through alum mouthwash = 2 ARTICLES

16. The association between S.mutans colonization and age. = 2 ARTICLES
17. Association of the time of S. mutans colonisation with caries. = 2 ARTICLES
18. Association of S. mutans binding with salivary agglutinin. = 2 ARTICLES
19. Reduction of salivary S. mutans count through Early Childhood Caries (ECC) treatment. = 2 ARTICLES
20. The association measured salivary S.mutans count in children and sampling method. = 2 ARTICLES
21. Reduction of salivary S. mutans count through Funoran (sulfated polysaccharide). = 2 ARTICLES
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23. Association of S. mutans binding with HLA-DR4. = 1 ARTICLE
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