

Bronnen:

- Paszynska, E., Pawinska, M., Gawriolek, M., Kaminska, I., Otulakowska-Skrzynska, J., Marczuk-Kolada, G., Rzatowski, S., Sokolowska, K., Olszewska, A., Schlagenhauf, U., May, T. W., Amaechi, B. T., & Luczaj-Cepowicz, E. (2021). *Impact of a toothpaste with microcrystalline hydroxyapatite on the occurrence of early childhood caries: a 1-year randomized clinical trial*. *Scientific Reports*, 11(1). <https://doi.org/10.1038/s41598-021-81112-y>
- Amaechi, B. T., AbdulAzees, P. A., Alshareif, D. O., Shehata, M. A., De Carvalho Sampaio Lima, P. P., Abdollahi, A., Kalkhorani, P. S., & Evans, V. (2019). *Comparative efficacy of a hydroxyapatite and a fluoride toothpaste for prevention and remineralization of dental caries in children*. *BDJ Open*, 5(1). <https://doi.org/10.1038/s41405-019-0026-8>
- Anil, A., Ibraheem, W. I., Meshni, A. A., Preethanath, R. S., & Anil, S. (2022). *Nano-Hydroxyapatite (NHAP) in the remineralization of Early dental Caries: A scoping review*. *International Journal of Environmental Research and Public Health*, 19(9), 5629. <https://doi.org/10.3390/ijerph19095629>
- Pepla, E., Besharat, L. K., Palaia, G., Tenore, G., & Migliau, G. (2014, September 1). *Nano-hydroxyapatite and its applications in preventive, restorative and regenerative dentistry: a review of literature*. PubMed Central (PMC).
- <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4252862/MILESTONES>. (z.d.). SANGI CO.,LTD. <https://www.sangi-co.com/en/history/index.html>
- KANI, T., KANI, M., ISOZAKI, A., SHINTANI, H., OHASHI, T., TOKUMOTO, T., & Department of Preventive Dentistry, Asahi University of School of Dentistry, Japan. (1989). *Effect to apatitecontaining dentifrices on dental caries in school children*. In *Journal of Dental Health* (Vol. 39, pp. 104–109). <https://grupokalma.com/wp-content/uploads/shared/CATALOGOS%20WEB/AMD/PrevDent/Otros/kani1989.pdf>
- Van Loveren, C. (2013). *Toothpastes*. In *Monographs in oral science*. <https://doi.org/10.1159/isbn.978-3-318-02207-0>
- Amaechi, B. T., AbdulAzees, P. A., Alshareif, D. O., Shehata, M. A., De Carvalho Sampaio Lima, P. P., Abdollahi, A., Kalkhorani, P. S., & Evans, V. (2019). *Comparative efficacy of a hydroxyapatite and a fluoride toothpaste for prevention and remineralization of dental caries in children*. *BDJ Open*, 5(1). <https://doi.org/10.1038/s41405-019-0026-8>
- Grochowicz, K., Matkowska-Cichocka, G., Makowiecki, P., Droździk, A., Ey-Chmielewska, H., Dziewulska, A., Tomasik, M., Trybek, G., & Janiszewska-Olszowska, J. (2020). *Effect of nano-hydroxyapatite and ozone on approximal initial caries: a randomized clinical trial*. *Scientific Reports*, 10(1). <https://doi.org/10.1038/s41598-020-67885-8>
- Badiie, M., Jafari, N., Fatemi, S., Ameli, N., Kasraei, S., & Ebadifar, A. (2020, October 1). *Comparison of the effects of toothpastes containing nanohydroxyapatite and fluoride on white spot lesions in orthodontic patients: A randomized clinical trial*. PubMed Central (PMC). <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7737819/>
- Schlagenhauf, U., Kunzelmann, K., Hannig, C., May, T. W., Hösl, H., Gratza, M., Viergutz, G., Nazet, M., Schamberger, S., & Proff, P. (2019). *Impact of a non-fluoridated microcrystalline hydroxyapatite dentifrice on enamel caries progression in highly caries-susceptible orthodontic patients: A randomized, controlled 6-month trial*. *Journal of Investigative and Clinical Dentistry*, 10(2). <https://doi.org/10.1111/jicd.12399>

- Najibfard K, Ramalingam K, Chedjieu I, Amaechi BT. (2011). Remineralization of early caries by a nano-hydroxyapatite dentifrice. *J Clin Dent.* 22(5):139-43.  
<https://pubmed.ncbi.nlm.nih.gov/22403978/>
- Juntavee, N., Juntavee, A., & Plongniras, P. (2018). Remineralization potential of nanohydroxyapatite on enamel and cementum surrounding margin of computer-aided design and computer-aided manufacturing ceramic restoration. *International Journal of Nanomedicine, Volume 13*, 2755–2765. <https://doi.org/10.2147/ijn.s165080>
- Huang, S., Gao, S., Cheng, L., & Yu, H. (2011). Remineralization Potential of Nano-Hydroxyapatite on Initial Enamel Lesions: An in vitro Study. *Caries Research*, 45(5), 460–468. <https://doi.org/10.1159/000331207>
- Carvalho, F. G., Vieira, B., Lacerda-Santos, R., & Guedes, B. (2014). In vitro effects of nano-hydroxyapatite paste on initial enamel carious lesions. *ResearchGate*.  
[https://www.researchgate.net/publication/264634004\\_In\\_Vitro\\_Effects\\_of\\_Nano-hydroxyapatite\\_Paste\\_on\\_Initial\\_Enamel\\_Carious\\_Lesions](https://www.researchgate.net/publication/264634004_In_Vitro_Effects_of_Nano-hydroxyapatite_Paste_on_Initial_Enamel_Carious_Lesions)
- Kim, M., Kwon, H., Choi, C. H., & Kim, B. (2007). Combined effects of Nano-Hydroxyapatite and NAF on remineralization of early caries lesion. *Key Engineering Materials*, 330–332, 1347–1350. <https://doi.org/10.4028/www.scientific.net/kem.330-332.1347>
- Swarup, J. S., & Rao, A. (2012). Enamel surface remineralization: Using synthetic nanohydroxyapatite. *Contemporary Clinical Dentistry*, 3(4), 433.  
<https://doi.org/10.4103/0976-237x.107434>
- Limeback, H., Enax, J., & Meyer, F. (2021). Biomimetic hydroxyapatite and caries prevention: a systematic review and meta-analysis. *Can J Dent Hyg*, 55(3), 148–159.  
<https://pubmed.ncbi.nlm.nih.gov/34925515>
- Pawinska, M., Paszynska, E., Amaechi, B. T., Meyer, F., Enax, J., & Limeback, H. (2024). Clinical evidence of caries prevention by hydroxyapatite: An updated systematic review and meta-analysis. *Journal of Dentistry*, 151, 105429.  
<https://doi.org/10.1016/j.jdent.2024.105429>