

Accepted Manuscript

Title: Effect of phytate and zinc ions on fluoride toothpaste efficacy using an *in situ* caries model

Authors: Charles Parkinson, Gary R. Burnett, Jon Creeth, Richard Lynch, Chandrashekhar Budhawant, Frank Lippert, Anderson T. Hara, Domenick T. Zero



PII: S0300-5712(18)30067-8
DOI: <https://doi.org/10.1016/j.jdent.2018.03.013>
Reference: JJOD 2922

To appear in: *Journal of Dentistry*

Received date: 9-2-2018
Accepted date: 27-3-2018

Please cite this article as: Parkinson Charles, Burnett Gary R, Creeth Jon, Lynch Richard, Budhawant Chandrashekhar, Lippert Frank, Hara Anderson T, Zero Domenick T. Effect of phytate and zinc ions on fluoride toothpaste efficacy using an *in situ* caries model. *Journal of Dentistry* <https://doi.org/10.1016/j.jdent.2018.03.013>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Effect of phytate and zinc ions on fluoride toothpaste efficacy using an *in situ* caries model

Short title: **Effect of phytate and zinc ions on fluoride efficacy**

Charles Parkinson^a, Gary R. Burnett^b, Jon Creeth^c, Richard Lynch^d, Chandrashekhar Budhawant^e, Frank Lippert^f, Anderson T. Hara^g, Domenick T. Zero^h

^aMedical Affairs Director, GSK Consumer Healthcare, St George's Avenue, Weybridge, Surrey, KT13 0DE, UK. Email: charles.x.parkinson@gsk.com. *Corresponding author

^bPrincipal Clinical Research Scientist, GSK Consumer Healthcare, St George's Avenue, Weybridge, Surrey, KT13 0DE, UK. Email: gary.r.burnett@gsk.com.

^cPrincipal Medical Affairs Scientist, GSK Consumer Healthcare, St George's Avenue, Weybridge, Surrey, KT13 0DE, UK. Email: jonathan.e.creeth@gsk.com.

^dPrincipal Scientist, GSK Consumer Healthcare, St George's Avenue, Weybridge, Surrey, KT13 0DE, UK. Email: richard.j.lynch@gsk.com.

^eStatistician, Syneos Health, Raheja Mindspace, Building No. 12 B, 3rd Floor Hyderabad, 500081, India. Email: chandrashekhar.budhawant@syneoshealth.com

^fAssociate Professor, Oral Health Research Institute, 415 Lansing Street, Indianapolis, IN 46202-2876. Email: flippert@iu.edu

^gAssociate Professor, Oral Health Research Institute, 415 Lansing Street, Indianapolis, IN 46202-2876. Email: ahara@iu.edu

^hProfessor, Director Oral Health Research Institute, 415 Lansing Street, Indianapolis, IN 46202-2876. Email: dzero@iu.edu

Key words: caries, fluoride, enamel, *in situ*, zinc, phytate

Disclosure statement: These studies were funded by GSK Consumer Healthcare, of which C. Parkinson, G. Burnett and J. Creeth are employees. The Oral Health Research Institute, of which F. Lippert, A.T. Hara and D.T. Zero are employees and Syneos Health, of which C Budhawant is an employee, have received funding from GSK Consumer Healthcare. D. T. Zero has received compensation from GSK Consumer Healthcare as a consultant in the past.

Download English Version:

<https://daneshyari.com/en/article/8699252>

Download Persian Version:

<https://daneshyari.com/article/8699252>

[Daneshyari.com](https://daneshyari.com)