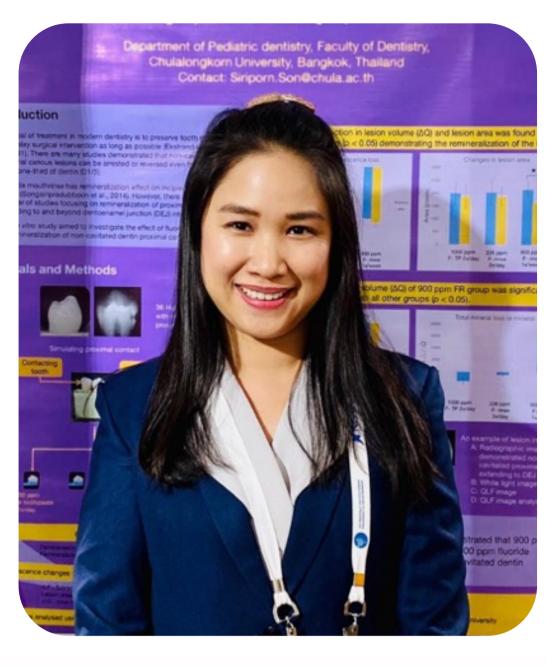


Effect of drinking water after fluoride varnish application on saliva fluoride level

Songsiripradubboon S., Jiraritthumrong K., Pakdeemeechai S., Ruangturakit V. Department of Pediatric Dentistry, Faculty of Dentistry, Chulalongkorn University



INTRODUCTION

Fluoride varnish have been widely used in dental clinics especially for pediatric patients. The action of fluoride varnish is slowly releasing fluoride ions into the underlying tooth surfaces and the oral cavity. Fluoride varnish was proved to be safe and effective in preventing dental caries.

However, the post-application information of fluoride varnish is still insufficient.

The post-application instructions in guidelines / recommendations from various

dental organizations are varied.

OBJECTIVE

To investigate the effect

water drinking after

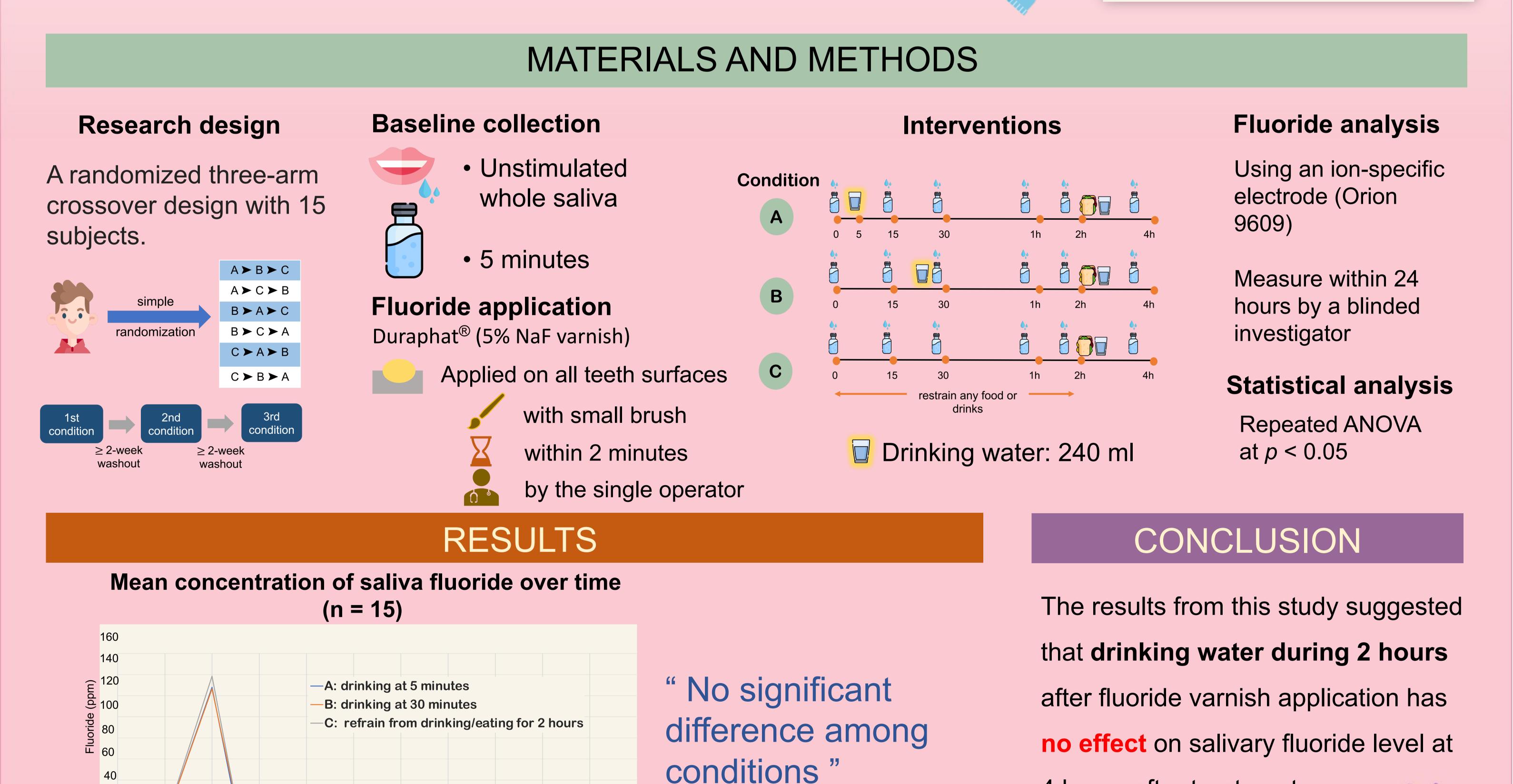
fluoride varnish

application on

the fluoride

retention in the whole

saliva.



4 hours after treatment AA



Time (hour)

Area under curve of fluoride concentration at each time point (n = 15)

	Time				
Condition	15 min	30 min	1 hour	2 hours	4 hours
A (at 5 min)	66.98 ± 28.97 ^A	79.92 ± 35.07 ^B	98.82 ± 45.66 ^C	123.38 ± 56.77 ^D	147.33 ± 66.45 ^E
B (at 30 min)	68.76 ± 35.54 ^A	82.80 ± 43.68 ^B	101.58 ± 55.32 ^C	136.36 ± 81.61 ^D	171.61 ± 109.78 ^E
C (after 2 hours)	74.61 ± 39.59 ^A	91.49 ± 46.05 ^B	115.78 ± 55.89 ^C	149.89 ± 72.13 ^D	181.74 ± 88.02 ^E
p-value	0.660	0.489	0.305	0.199	0.154

Values with the same superscription letters in each row were defined as not significantly different at p<0.05.

All researchers have no conflicts of interest to declare that are relevant to the content of this presentation • We would like to thank Research fund from Faculty of Dentistry, Chulalongkorn University

www.dent.chula.ac.th

คณะทันตแพทยศาสตร์ จุฬาลงกรณ์มหาวิทยาลัย