Fluoride uptake and retention by sound enamel after in vivo Duraphat application

This investigation has shown an increase in fluoride on the outer region of sound enamel after a single in vivo application of a fluoride varnish Duraphat (2.26 per cent fluoride). The total fluoride increase of enamel in the teeth of 10-12 year olds amounted to 77 per cent, of this an amount of 59 per cent was present mainly as calcium fluoride and 18 per cent as fluorapane.