

# Chemotherapeutic supragingival plaque control with Delmopinol Hydrochloride - experimental gingivitis and plaque formation studies

s.n.] - Antibacterial agents in the control of supragingival plaque — a review

	Vib	PH	MQH	PA	BV	GI	M-G	BOP	GCF	DI	CFU	PTC
Design I (Eight-hour submergence study)												
Day -14	+					+	+	+				+
1 (0 h)						+						+
2 (2 h)						+						+
3 (4 h)						+						+
4 (6 h)						+						+
5 (8 h)						+						+
Design II (Four-day plaque re-growth study)												
Day -14	+					+	+	+				+
1 (day 0)	+	+		+	+	+	+	+	+	+	+	+
2 (day 4)	+	+	+	+	+	+	+	+	+	+	+	+
Design III (21-day experimental gingivitis study)												
Day -14	+	+		+	+	+	+	+	+	+	+	+
1 (day 0)	+	+		+	+	+	+	+	+	+	+	+
2 (day 7)	+	+		+	+	+	+	+	+	+	+	+
3 (day 14)	+	+		+	+	+	+	+	+	+	+	+
4 (day 21)	+	+		+	+	+	+	+	+	+	+	+
Design IV (6-month home use study)												
Day -14	+	+		+	+	+	+	+	+	+	+	+
1 (day 0)	+	+		+	+	+	+	+	+	+	+	+
2 (day 21)	+	+		+	+	+	+	+	+	+	+	+
3 (month 3)	+	+		+	+	+	+	+	+	+	+	+
4 (month 6)	+	+		+	+	+	+	+	+	+	+	+

Description: -

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This edition was published in 1992



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## Evidence for Mouthrinses as Adjunctive Therapy

In the negative control subjects the plaque and gingival bleeding scores rose above their pre-study levels.

## Chemotherapeutic agents (Part 2) antiplaque agents

As expected some tooth staining also occurred.

## Strategies and agents in supragingival chemical plaque control, Periodontology 2000

Thus, delmopinol-based rinses may be helpful for patients who have difficulty with plaque control. Since delmopinol is not a true anti-bacterial agent in this sense and has virtually no inhibitory concentration it is not correct to test its substantivity in this way. Such an effect might also be produced by the use of a toothpaste containing such an agent eg triclosan along with copolymer to increase its oral retention time The effects of a triclosan dentifrice on the microbial composition of supragingival plaque over 6 months has also been studied.

## Improve Oral Health Through Mouthrinse Use

This effect has been noted with zinc combined with hexetidine, triclosan, and sanguinarine.

## Improve Oral Health Through Mouthrinse Use

A 2014 study investigating the remineralization effects of fluoride rinses observed greater remineralization of proximal caries lesions when the frequency of fluoride mouthrinse use was increased and utilized in concert with fluoride toothpaste.

## **Chemotherapeutic agents (Part 2) antiplaque agents**

They inhibit microbial reproduction and cellular metabolism, producing cell death. The use of a combination of zinc and triclosan arose from the concept that agents with different modes of action might have synergistic or additive effects.

### **Improve Oral Health Through Mouthrinse Use**

Since both of these amounts are similar and above the therapeutic dose, either of the formulations is equally effective. Many of the more effective agents share the side effect of producing tooth staining which limits their longer term use.

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