

Study of the action of Castéra-Verduzan Thermal spring water on the oral pH

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Study of the action of Castéra-Verduzan Thermal spring water on the oral pH of dental tartar [Press article] La Presse Thermale et Climatique. 136(2) :93-5, 2^e trimestre 1999.

Study objective:

The objective of this study is to analyze the effect of this Thermal spring water endowed with a basic pH such as thermal waters of Castéra-Verduzan on the pH of the plaque according to the model used by Allanche (Dental Information, January 14th, 1993).

Protocol:

Studies are realized with 19 volunteers unhurt of tooth decay who mustn't brush teeth during 4 days. Experimentation takes place in 2 stages. The pH variations are recorded during 30 minutes, with the aid of a Bioblock Scientific Ph machine linked up with an electrode Inlab 426.

First stage:

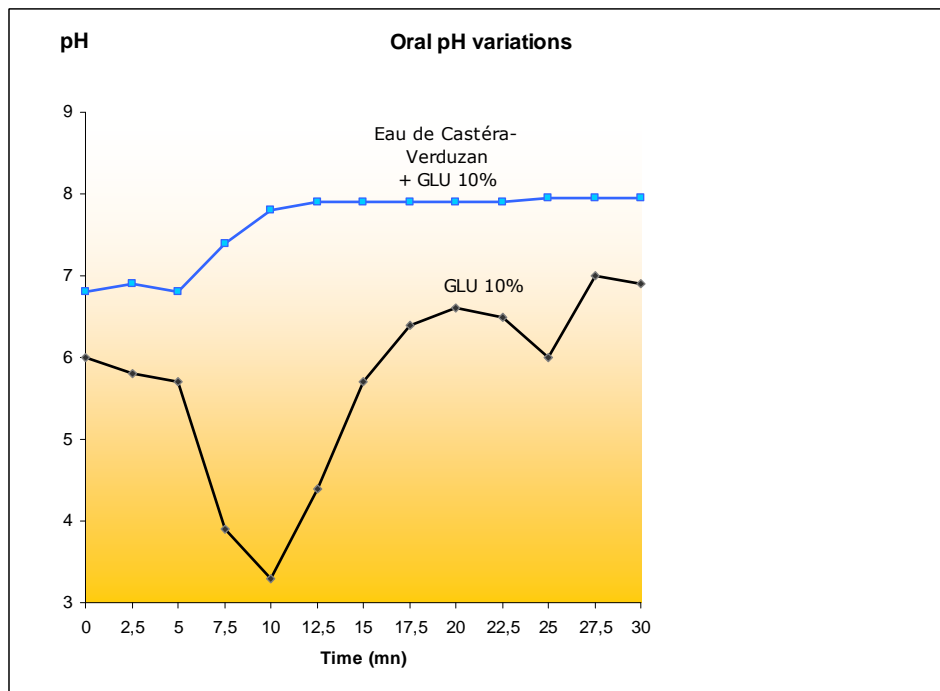
Mouth rinse during 2 minutes with a solution of glucose (10g / liter)

Second stage:

Mouth rinse with Thermal spring water of Castéra-Verduzan using BUCCOTHERM Dental spray during 2 minutes, then mouth rinse with a solution of glucose (10g / l.) during 2 minutes. The pH Variations are recorded once again during 30 minutes.

Results:

The following graphic shows the inhibition of pH fall of the dental tartar with a mouth rinse with Thermal spring water of Castéra-Verduzan. The statistical analysis of these results confirms in the efficiency of Thermal spring water.



Conclusion:

This specific property of Thermal spring water of Castéra-Verduzan allows to neutralize acids coming from the deterioration of carbohydrates by the dental plaque microbes and so prevent tooth decays. Consequently, the Thermal spring water of Castéra-Verduzan is a treatment naturally efficient.