

**CASEIN DERIVATIVES COMPLEXED WITH CALCIUM PHOSPHATE EFFICACY  
AS A MOUTH MOISTENER IN YOUNG PATIENTS WITH SEVERE XEROSTOMIA  
SECONDARY TO RADIOTHERAPY**

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The purpose of this study was to evaluate casein derivatives coupled with calcium phosphate (CD-CP) as a mouth moistener and its effect on the oral hygiene status in a group of young patients with severe xerostomia.

A randomized control trial design was used. Participants had had radiotherapy for head and neck cancer. Baseline data collection was followed by re-examination one month later. A total of 60 patients, 30 in the CD-CP group and 30 used their usual moistening strategies. The baseline characteristics of the two groups did not differ. Patients used Topacal C-5 (CD-CP) and the responses to it were compared with the responses to their other mouth moistening strategies.

The outcome indicated that Topacal C-5, when used as a mouth moistening and lubricant provided satisfactory results moreover, it has enhanced the oral hygiene status as well as the gingival health status through reduction of plaque, papillary bleeding, and gingival indices.

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