Customized fiber posts for the aesthetic treatment of severely compromised teeth

INTRODUCTION
The introduction of fiber posts has improved the treatment of endodontically treated teeth, increasing retention, and distributing the stress along the root in order to reduce the risk of fracture.

METHODS
This clinical case describes the use of posts during the prosthetic rehabilitation of severely compromised teeth in the anterior segment.

RESULTS
The introduction of fiber posts has made a great impact on the restoration of endodontically treated teeth. Since their introduction, technology has modified and further improved fiber post shape and materials; in addition, the use of innovative adhesive systems and cementation techniques has offered the possibility to achieve high level of adhesion within the root canal, producing new posts which ensure dental tissue conservation. This clinical case describes the use of posts during the prosthetic rehabilitation of severely compromised teeth in the anterior segment.

DISCUSSION AND CONCLUSIONS
From a clinical point of view, the introduction of customized fiber posts allows the adhesive system to be used even when the commercial posts do not perfectly fit the root canal shape. In particular, where the root canal shape is modified as a result of the endodontic treatment and the residual root tissue is thin, the complete adhesive technique contributes to achieve a homogeneous restoration (post-root-prosthetic restoration) that should increase the resistance of residual dental tissues.