

# Alveolar Ridge Preservation Using a Novel Titanium Seal.

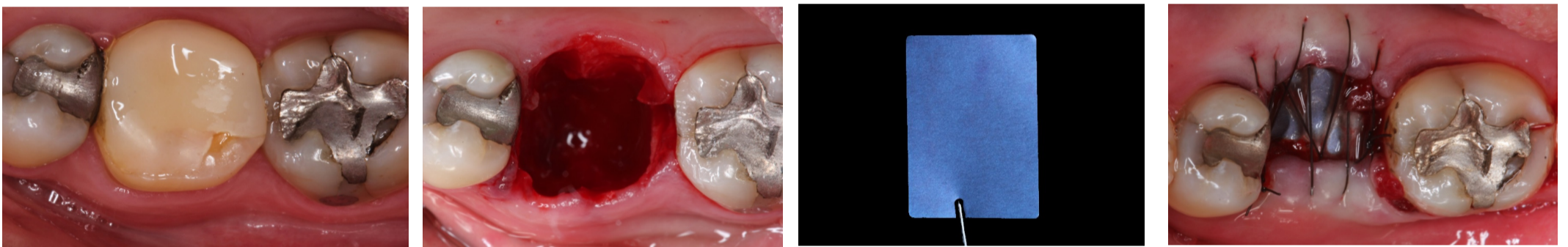
Cassio Kampits, Danilo Lazzari Ciotti, Guilherme da Gama Ramos

## INTRODUCTION

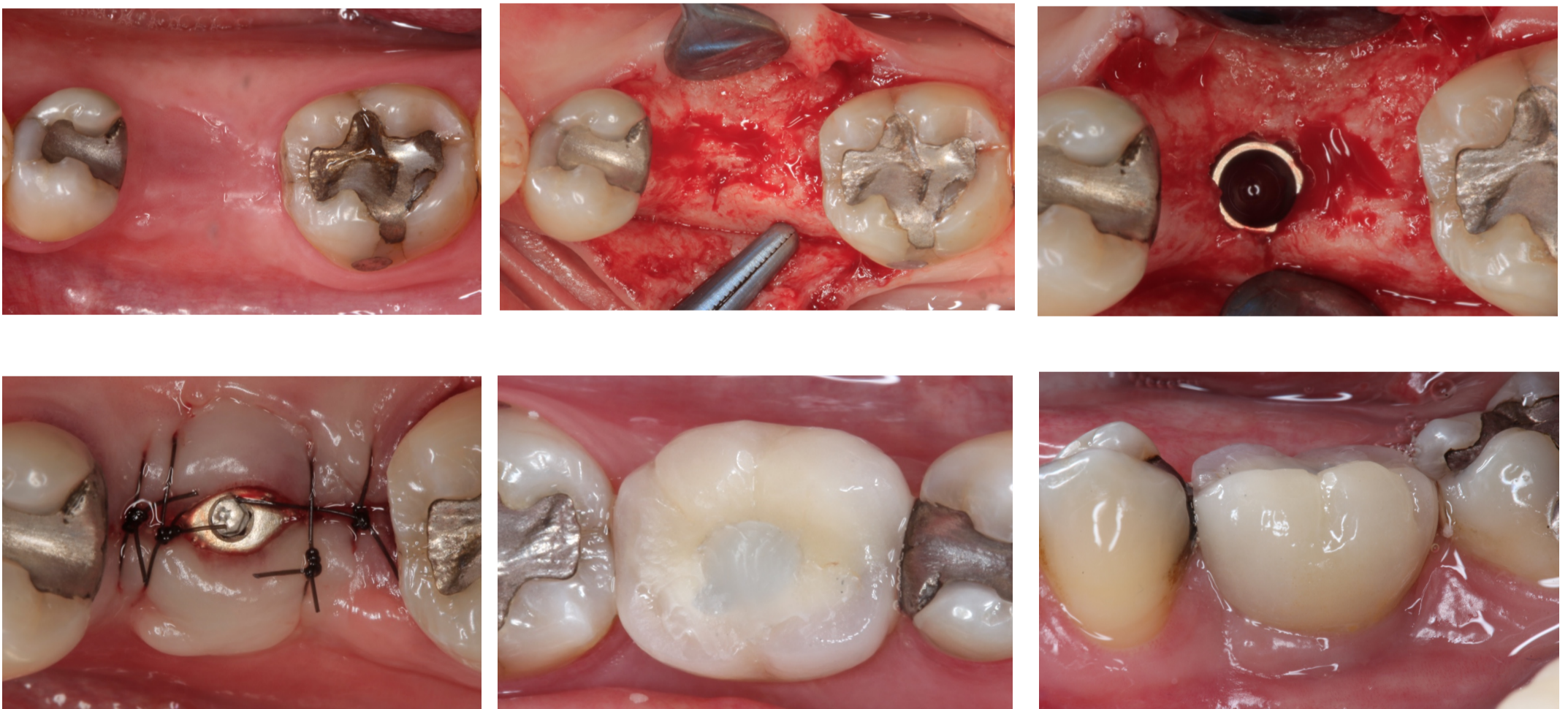
This case report highlights the use of a novel “in situ” titanium seal, non resorbable membrane composed of a thin layer of titanium, for alveolar ridge preservation.

## CASE DESCRIPTION

A 50-year-old female patient was referred by her general dentist for extraction of the mandibular right left molar and rehabilitation of the site with a dental implant. The nonresorbable tooth was “atraumatically” extracted without raising a flap, and the socket was immediately covered with a titanium seal. The site was left uncovered without obtaining primary closure, in order to heal by secondary intention, only in 14 days the titanium was removed.



After 12 weeks, the architecture of the ridge was preserved, and clinical observation revealed excellent soft tissue healing without loss of attached gingiva and good bone quality. At reentry for placement of the implant, and primary implant stability was measured by final seating torque.



## DISCUSSION

The membrane aims to exclude epithelial and connective cells, providing formation and stabilization of the clot allowing tissue formation bone.

## CONCLUSION/CLINICAL SIGNIFICANCE

The implant was successfully loaded 12 weeks after placement. Clinical and radiological follow-up examination at one year revealed stable and successful results regarding biological, functional, and esthetic parameters.

## REFERENCE

1 - Buser D, Chappuis V, Belser UC, Chen S. Implant placement post extraction in esthetic single tooth sites: when immediate, when early, when late? *Periodontol* 2000. 2017 Feb;73(1):84-102.