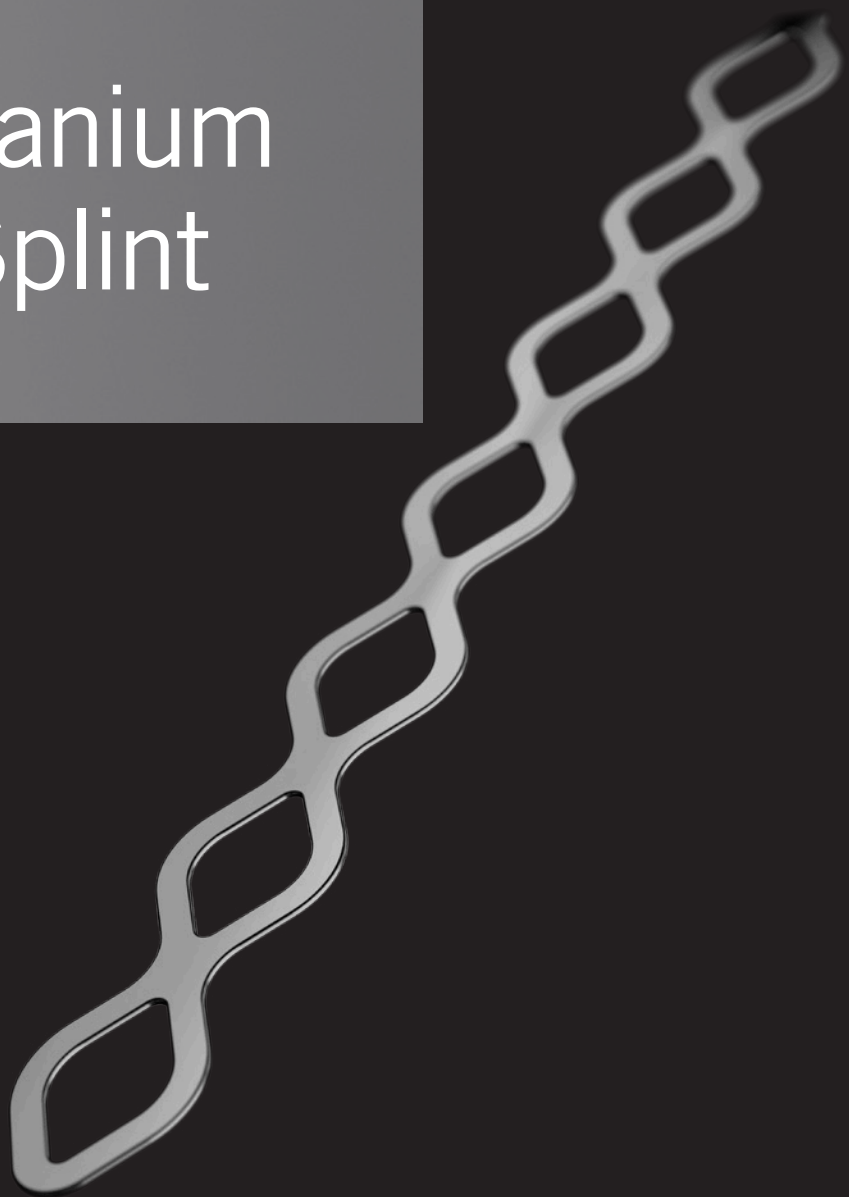


medartis®

PRECISION IN FIXATION

PRODUCT INFORMATION

# TTS – Titanium Trauma Splint



MODUS®

# TTS – Titanium Trauma Splint



## Easy adaptation, fixation and removal

- Physiologic
- Small dimension
- Flexibility
- High comfort
- Cleansability

## Features

### For the dentist

- User-friendly handling
- Easy adaptation and fixation
- Manual shaping of the splint
- Easy to cut to size
- Time reduction in simple splint application and removal
- Optimized splint design

## Indications

The TTS Tooth Splint is used for:

- Stabilization after repositioning or replantation (acute trauma cases)
- Stabilization after intentional (planned) replantation

### For the patient

- Improved comfort: minimal impairment of speech, eating and oral hygiene in comparison with conventional splints
- Preservation of physiological mobility of the injured tooth as well as the neighboring teeth

## Application



Repositioning



Cleansing



Etching



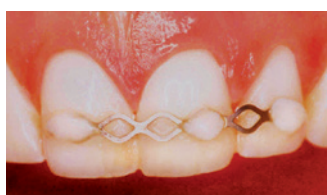
Drying



Bonding agent

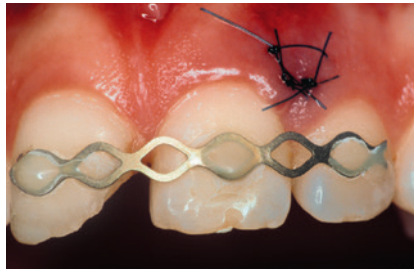


Composite



# Clinical Cases

## Case 1 (Michael Bornstein)



This 15-year-old patient was admitted following a road accident. Avulsion of 11 (21, 11) showed an enamel-dentine fracture without involvement of the pulp. 1 (21) was replanted and stabilized for 10 days by means of the TTS.

## Case 2 (Yves Germanier)



Complex tooth trauma in a 13-year-old girl after a fall while climbing. Avulsion of 1 (21), root fracture of 1 in the cervical third of the root (crown fragment could not be found any more) and 2 (12) with a fracture of the crown without involvement of the pulp. 1 (21) was replanted and fixated for two weeks using the TTS.

Developed in cooperation with: Department of Oral Surgery and Stomatology, School of Dental Medicine University of Berne, Switzerland, T. von Arx and colleagues. Cases and pictures received from the above.

# Ordering Information

## TTS Tooth Splint

Material: Titanium (ASTM F67)



TTS-1002



TTS-1004

Art. No.	Description	Color	Piece/Pkg
TTS-1002	52 × 0.2 mm	matt, gold	1
TTS-1004	100 × 0.2 mm	matt, gold	1

## Publications

von Arx, T., Filippi, A., Buser, D. (2001a)  
**Splinting of traumatized teeth with a new device: TTS (Titanium Trauma Splint)**  
Dent Traumatol, 17(4), pp. 180-4.

von Arx, T., Filippi, A., Lussi, A. (2001b)  
**Comparison of a new dental trauma splint device (TTS) with three commonly used splinting techniques**  
Dent Traumatol, 17(6), pp. 266-74.

Filippi, A., von Arx, T., Lussi, A. (2002)  
**Comfort and discomfort of dental trauma splints - a comparison of a new device (TTS) with three commonly used splinting techniques**  
Dent Traumatol, 18(5), pp. 275-80.

Ingimarsson, S., von Arx, T. (2002)  
**Neue Schienungstechnik in der Zahntraumatologie  
Nouvelle technique de contention en traumatologie dentaire  
[A new splint technique in dental traumatology]**  
Schweiz Monatsschr Zahnmed, 112(12), pp. 1263-73. Article in German and French.

von Arx, T. (2005)  
**Splinting of traumatized teeth with focus on adhesive techniques**  
J Calif Dent Assoc, 33(5), pp. 409-14.

Chappuis, V., von Arx, T. (2005)  
**Replantation of 45 avulsed permanent teeth: a 1-year follow-up study**  
Dent Traumatol, 21(5), pp. 289-96.

Adatia, A., Kenny, D. J. (2006)  
**Titanium Trauma Splint: An Alternative Splinting Product**  
JCDA, 72(No. 8), pp. 721-23.

Ferrazzini Pozzi, E. C., von Arx, T. (2008)  
**Pulp and periodontal healing of laterally luxated permanent teeth: results after 4 years**  
Dent Traumatol, 24(6), pp. 658-62.

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