BRUX CHECKER®
nach Prof. Sato

BRUX CHECKER®

For analysis of bruxis and CMD as well for as grinding of prosthetic restorations.

SCHEU

BRUX CHECKER® is a foil of 0.1 mm initial thickness with a colored coating on one side used for diagnosis, analysis and treatment planning. It has been developed by Prof. Sadao Sato at the Kanagawa Dental University in Japan and proven successful in clinical use since 2000.

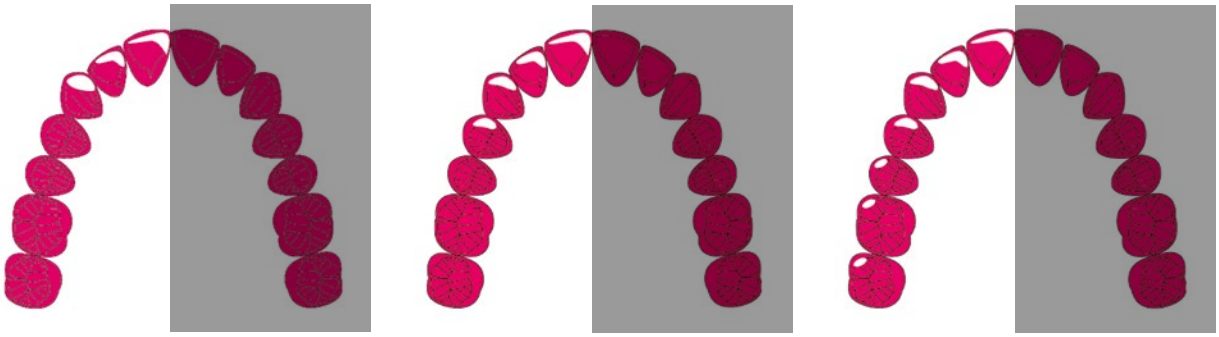
The BRUX CHECKER® foil registers occlusal interferences like bruxism through abrasion on the foil surface. The foil is moulded over a hard plaster model and worn for at least one night by the patient.
The evaluation of this parafonctional grinding pattern allows the clinician to draw conclusions on possible causes of the disorder and to choose the appropriate treatment.

BRUX CHECKER® is best suited as an indicator in diagnosing functional disorders of the masticatory system, in treatment planning and in correcting the occlusion after prosthodontic treatment by grinding.
It is not possible to determine any causes, but it is possible to identify the patient's occlusal scheme and unphysiological dynamic contacts which can't be detected by clinical examination.

Classification of grinding patterns acc. to Prof. Sato

(Atlas Occlusion Diagnosis by BRUX CHECKER®, Kanagawa Dental University)

LATEROTRUSION



Canine guidance

Incisor, canine, premolar guidance

Incisor, canine, premolar, molar guidance

MEDIOTRUSION

Mediotrusive dynamic contacts

Depending on the application, the BRUX CHECKER® foil is moulded over the patient's maxillary and/or mandibular cast. The coated side has to be facing the antagonist after moulding. When working with the BIOSTAR®, MINISTAR S® or TWINSTAR® the foil has to be placed so that the coding (imprint) is readable after clamping the foil between compensation and locking ring. When working with other machine types, please verify the corresponding heating system.

The BRUX CHECKER® foil is coated on one side. By scratching the foil margin you can verify whether the foil has been correctly placed. Trim the model flat and place it on the working platform.

The model should be dry. Insulation is not necessary. After moulding the foil can be cut with scissors or scalpel. In order to achieve a tight fit, make sure the foil completely covers the teeth.

Another option is inserting the BRUX CHECKER® foil alternately for two nights each in the upper and then two nights in the lower jaw.

Dr. Diether Reusch:

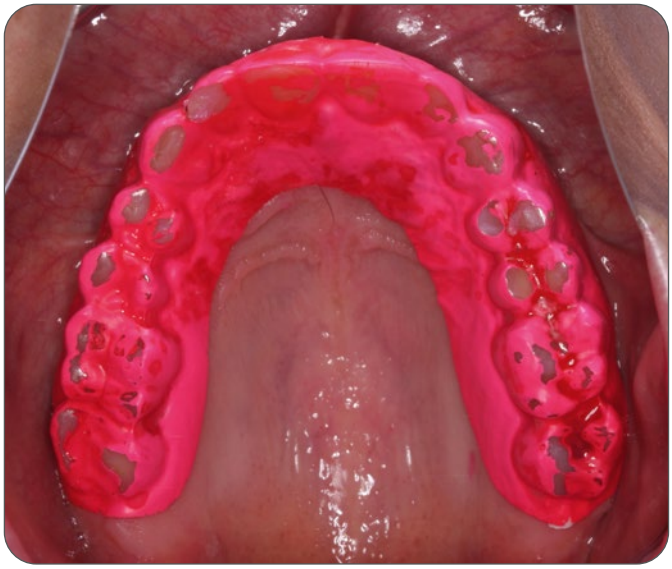
The long-term ECG of occlusion

Bruxism has an important function in the masticatory system, contributing to stress management and maintaining the homoeostasis of the human body.
On the other hand, bruxism can affect the stomatognathic system and cause failure of a reconstruction (“chipping”).

The contact areas that can be detected in a clinical examination differ from the contacts occurring in bruxism. The occlusal pattern in bruxism can’t be reproduced.

Therefore studies, diagnoses and treatment methods on the basis of occlusal patterns while bruxing the teeth during sleep should gain acceptance.

Incisor, canine, premolar and molar guidance = laterotrusive interferences on both sides. Additionally mediotrusive and protrusive interferences on both sides.

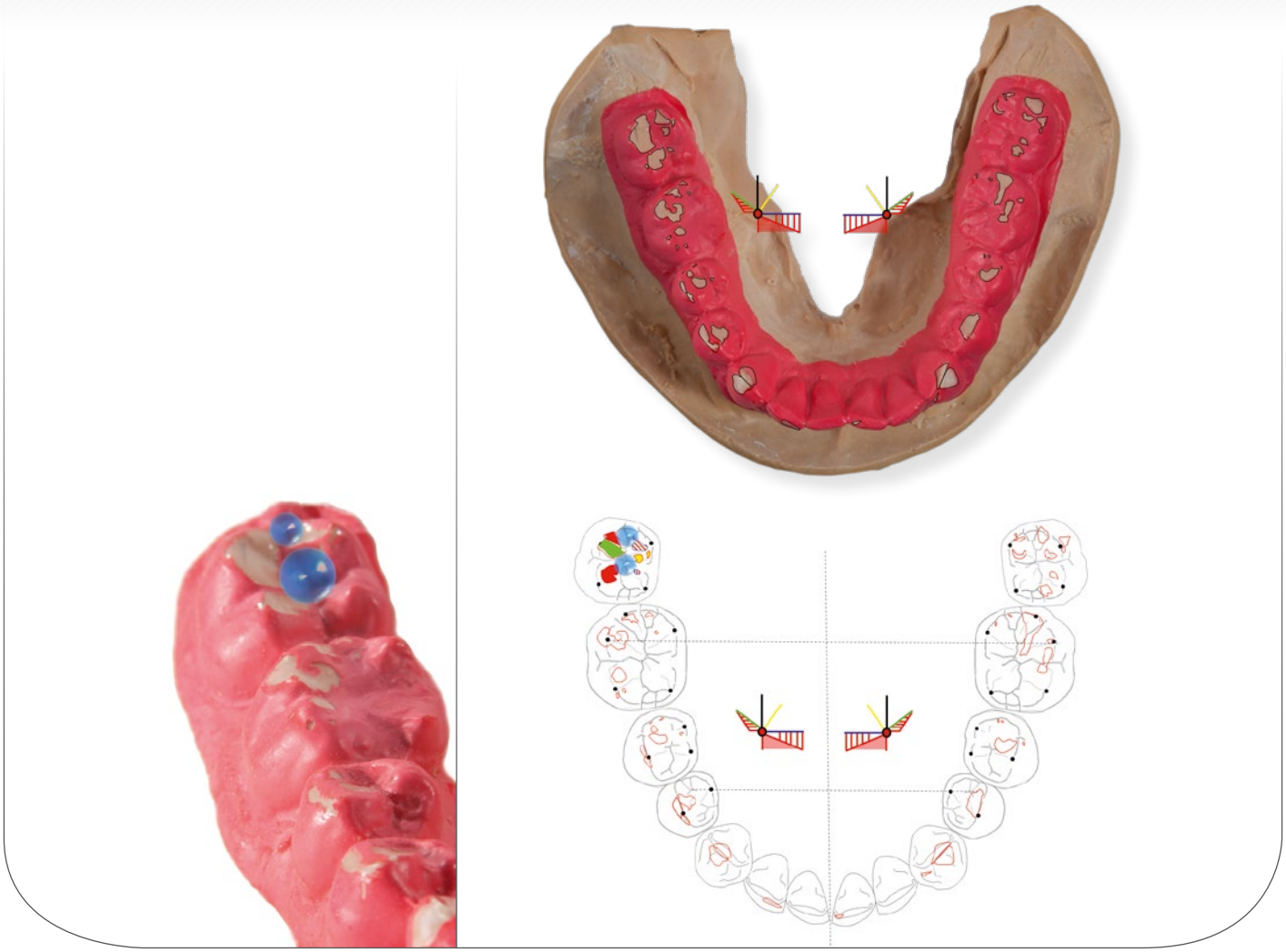


BRUX CHECKER® foil in situ (Dr. Diether Reusch, Westerburg)

BRUX CHECKER® foil on the model (Dr. Diether Reusch Westerburg)

Indications for
BRUX CHECKER® foil:

- Diagnoses of occlusal patterns on the basis of occlusal contacts during bruxism
- Visualisation of the patterns for the patient
- Detecting active grinding surfaces
- Controlling the reconstruction after insertion



Using BRUX CHECKER®, the actively used surfaces are made visible for the first time, so that orthodontic and para functions can be differentiated, explained and therefore correctly treated.
(Quotation Stefan Schunke, Forchheim).

Delivery program

BRUX CHECKER® Foil (0.1 x 125 mm rd.), red	10 pcs.	**#3209**
BRUX CHECKER® Foil (0.1 x 120 mm rd.), red	10 pcs.	**#0760**

(incl. 5 patient information sheets)

Patented worldwide

Literature:

- K. Onodera. The use of a bruxchecker in the evaluation of different grinding patterns during sleep bruxism (Cranio). 2006 Oct; 24(4): 292-9

Download:
www.scheu-dental.com/en/download

ATLAS Occlusion Diagnosis by BruxChecker

GB 250/07/24 G REF 0307.02

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