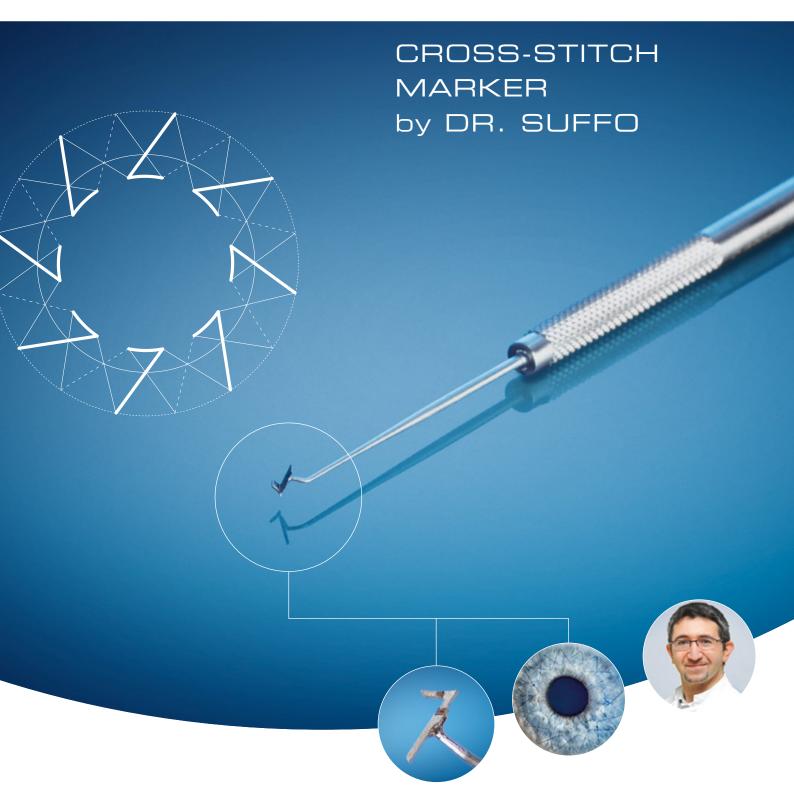
HOMBURG





CORNEAL SUTURE MARKER
FOR DEFINING THE PATH
OF A RUNNING CROSS-STITCH
SUTURE IN PK

HOMBURG

CORNEAL SUTURE MARKER

FOR CROSS STITCH SUTURES IN PK WITH NEUTRAL ASTIGMATISM

CHALLENGE

The challenge in performing a penetrating keratoplasty (PK) is to place the sutures for donor cornea fixation in a way that no additional postoperative iatrogenic astigmatism is induced, preventing persistent vision deterioration.

One option, which proved itself throughout the history of corneal transplantation, is to fixate the corneal transplant through a running cross stitch suture – the double running crossed diagonal suture by Hoffmann with 2 x 8 bites.

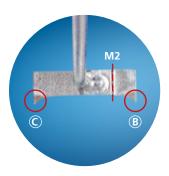
As the name suggests, the challenges of this suture technique lie in the precision required to exactly place the stitches. In addition, the technique requires a precise visual estimate for gauging the dimensions, which is often associated with a shallow (long and tedious) training curve. Therefore the desired results are not always achieved.

SOLUTION

The cross stitch suture marker by Suffo in the shape of number 7:



Vertical visual mark (M1) of the arc and horizontal visual mark (M2) of the long side indicate the right radial alignment of the suture marker



Marking tips on both ends of the long side indicate the suture entry (B) and exit points (C)

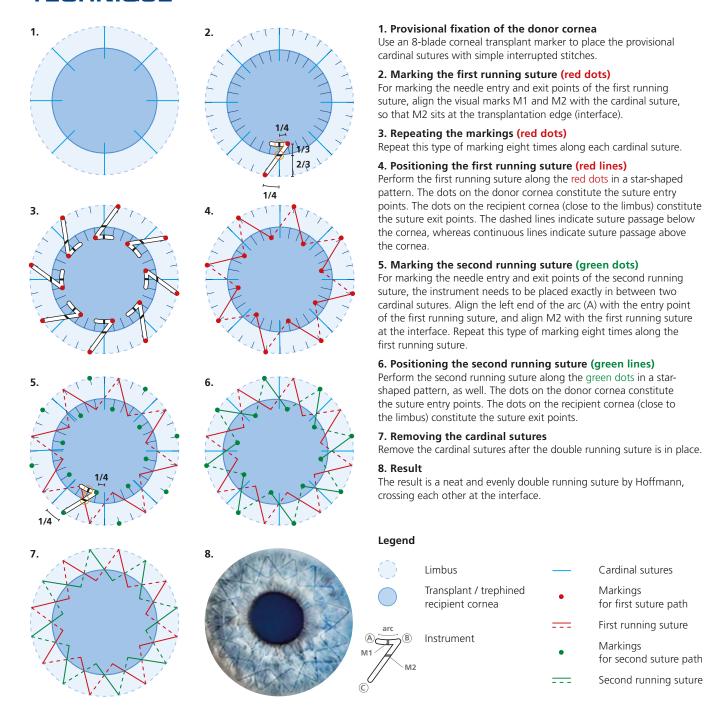
ADVANTAGES OF THE INSTRUMENT

- Precise marking of the needle entry and exit points
- · Homogenous running cross stitch suture
- · Highly reproducible
- · Short training curve
- High safety for the surgeon through independence of visual estimate
- Neutral astigmatism
- Reduced risk of a vertical tilt or horizontal torsion of the donor cornea when suturing

- High topographic regularity (regular astigmatism)
- · Low rate of suture loosening
- Early visual rehabilitation
- Reduction of gaping inner and outer wound margins
- Reduced rate of suture repositioning



TECHNIQUE







S03956 CORNEAL SUTURE MARKER by SUFFO

Corneal suture marker for precise visual marking of the suture entry and exit points of a running cross-stitch suture in penetrating keratoplasty.

For 8 mm transplants (grafts).

VIDEO

Watch the video and learn more about the technique.



Dr. S. Suffo, Homburg/Saar, Germany Presentation at HKCS 2018

Penetrating Excimer-Laser Keratoplasty with "Homburg Cross-Stitch Marker" for Treating Keratoconus



GEUDER AG reserves the right to make changes to technical details in response to recent developments. GEUDER does not assume liability for the accuracy of each individual statement.

Illustrations not drawn to scale.

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