ELiS trapezium replacement guide and follow-up

Beznoska's ELiS trapezium replacement is an unique implant, that can be used in combination with Beznoska's ELiS CMC system. It is considered as reasonable solution, when the trapezium isn't strong enough to bear a cup replacement and is perfect way to postpone trapeziectomy.

As the surgery of this replacement is very unique for each case, this guide is meant to provide background, that would help to understand the implantation by showing x-rays from several surgeries.

Five years trapezium replacement follow-up

	Kapandji Opposition	Key Pinch	Hand Grip Strength	VAS	DASH score
Pre-op	7.0	2.0	20.8	7.0	43.2
3 months post-op	9.0	4.0	19.0	1.0	6.8
6 months post-op	9.0	6.0	21.4	0.8	6.8
14 months post-op	10.0	6.0	20.5	0.5	6.8
24 months post-op	10.0	3.5	20.4	0.0	4.5
38 months post-op	10.0	4.0	45.7	0.0	2.27
64 months post-op	10.0	3.0	17.0	2.0	6.82

Implantation guide

Implantation usually does not require any modification of the articulating bones (scaphoid, trapezoid, ...), but it is necessary to ensure the stability of the trapezium replacement.

Supplementary fixation with two cortical screws ø2 mm, inserted into the 2nd metacarpal and trapezoid, is very appropriate and it is up to the discretion of the surgeon whether to use permanent or absorbable screws with a sufficiently long „full" bearing time.

Finally, we will supplement the body of the restoration with a PE insert matching the size of the trapezium restoration with a ball recess of the same diameter as the head.

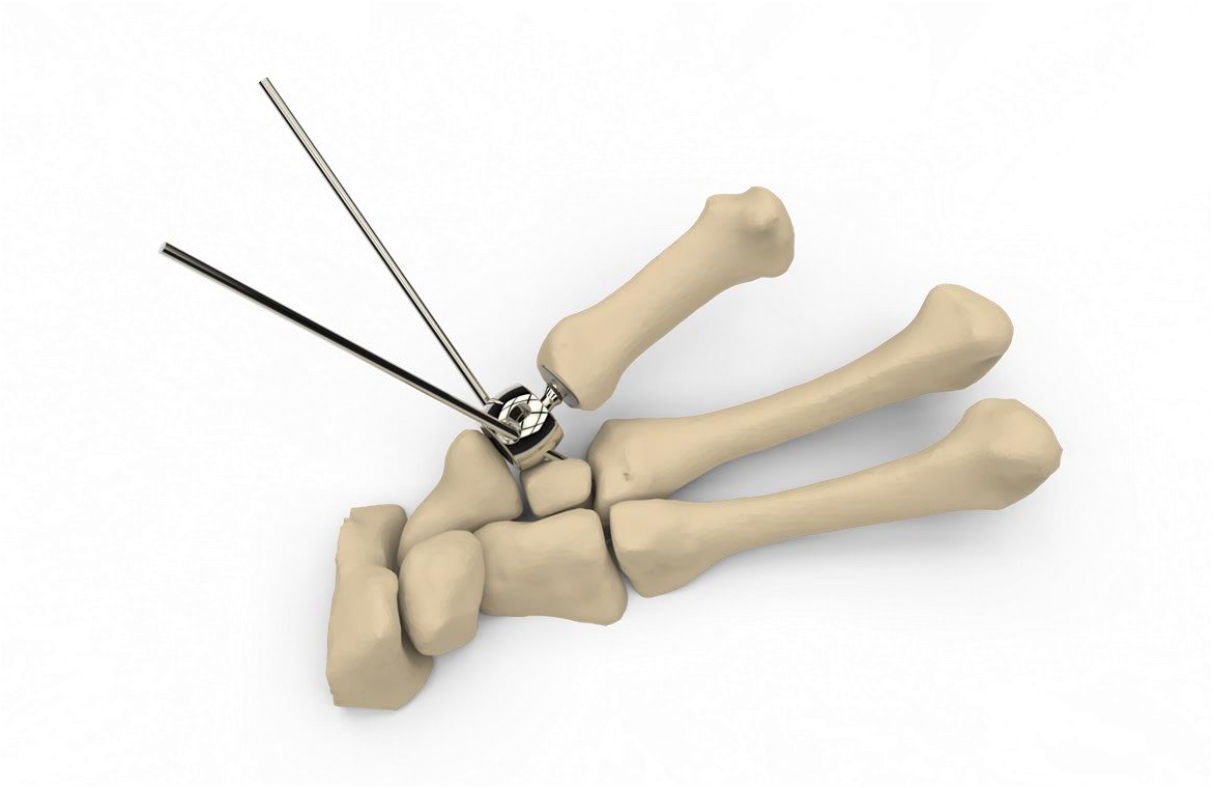
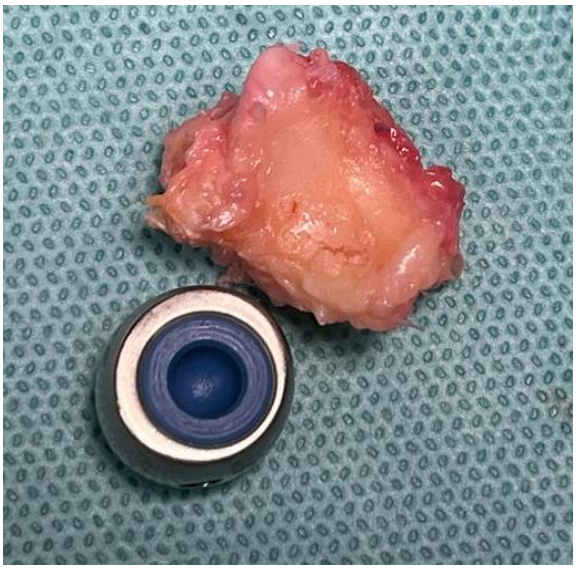
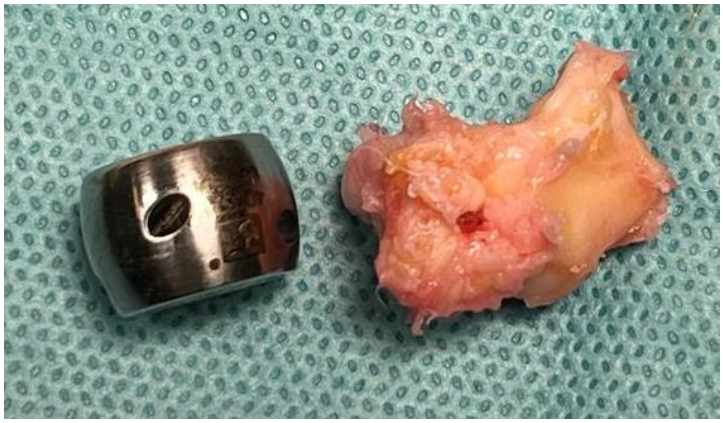
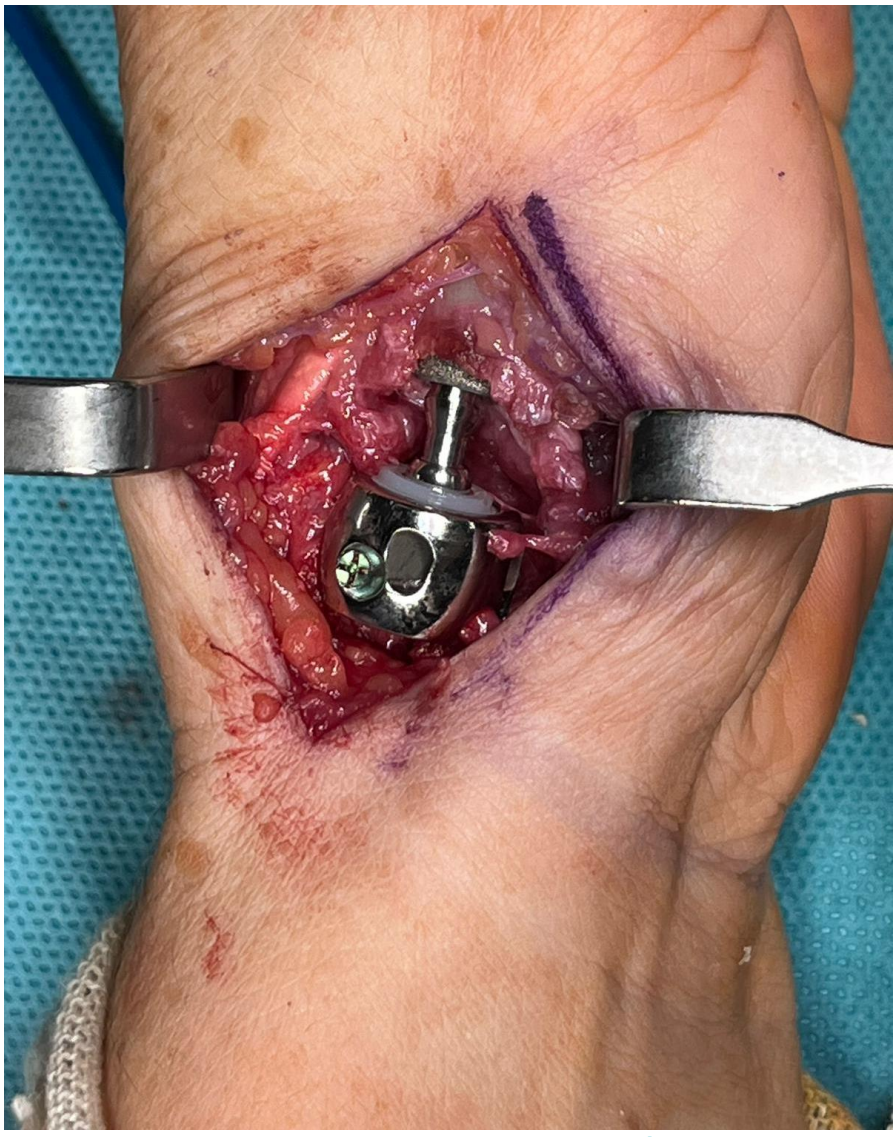


Figure 1 - Model of trapezium replacement with guidewires inserted into second metacarp and trapezoid.

Surgery no. 1







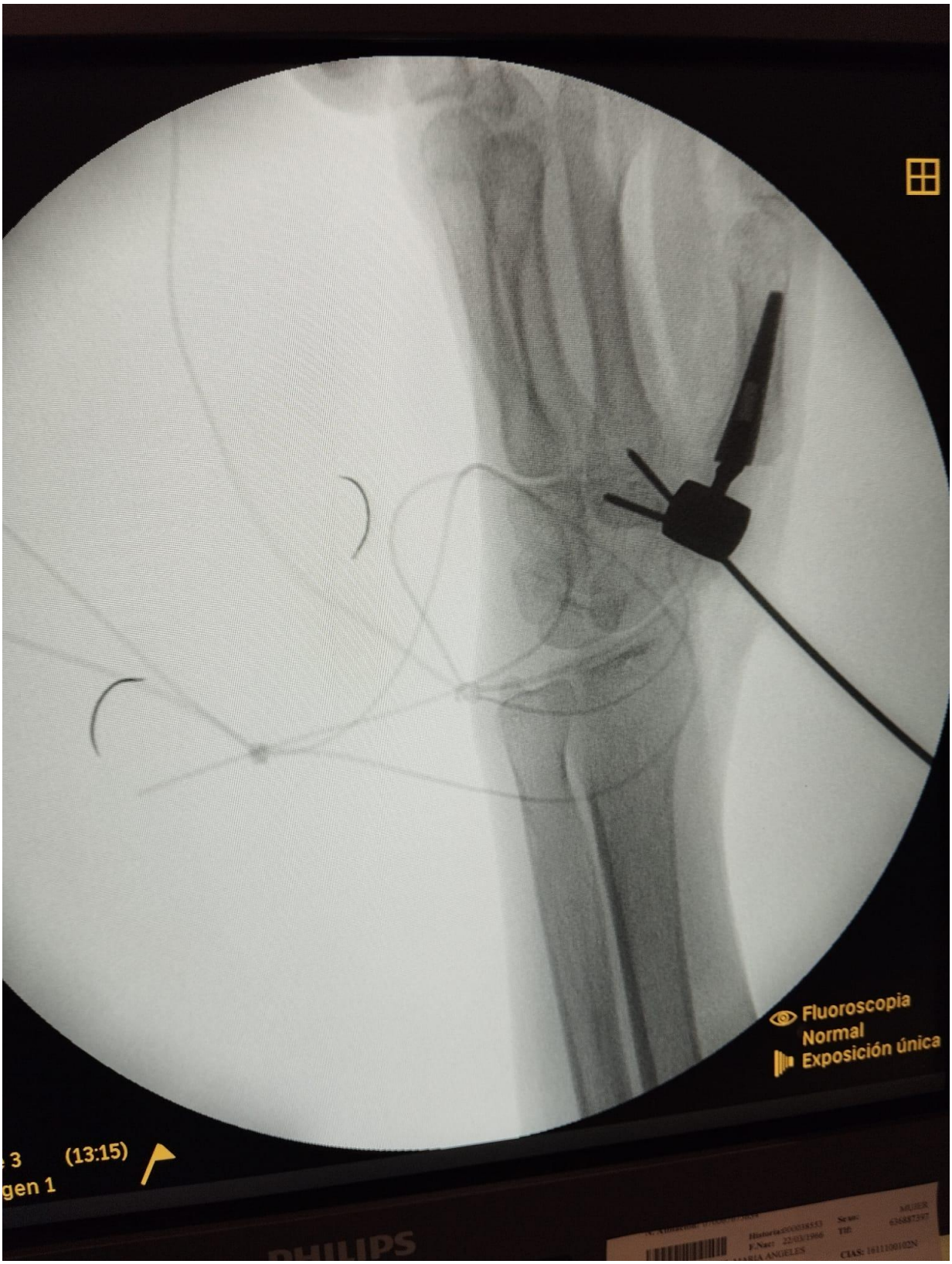

1.0X
270°
53 kVp
0,74 mA


AVENTES, PILAR
7 s / 1.793 s

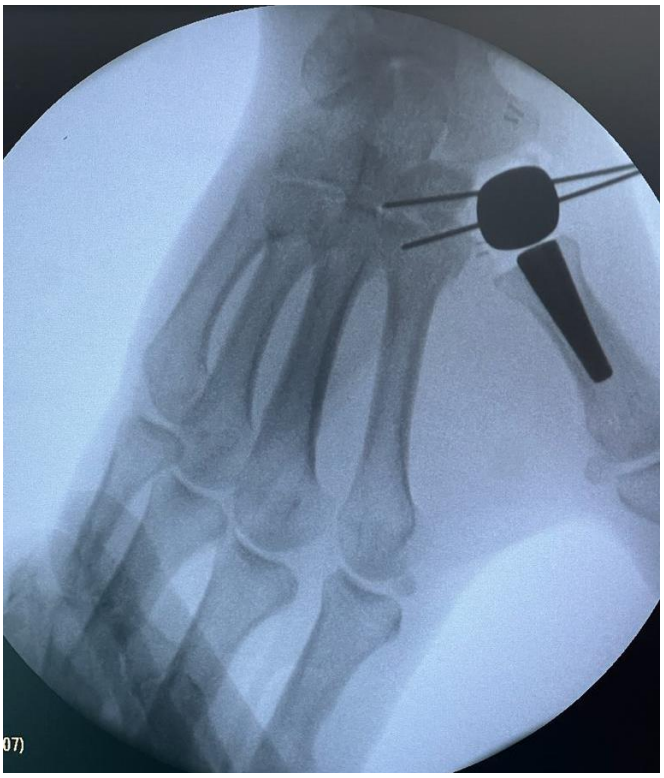
Surgery no. 2

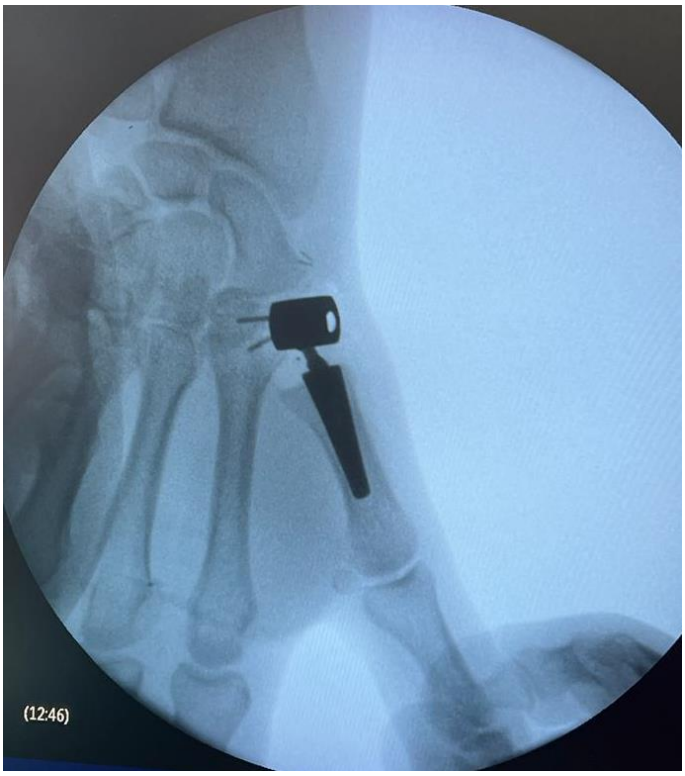
Surgery no. 3

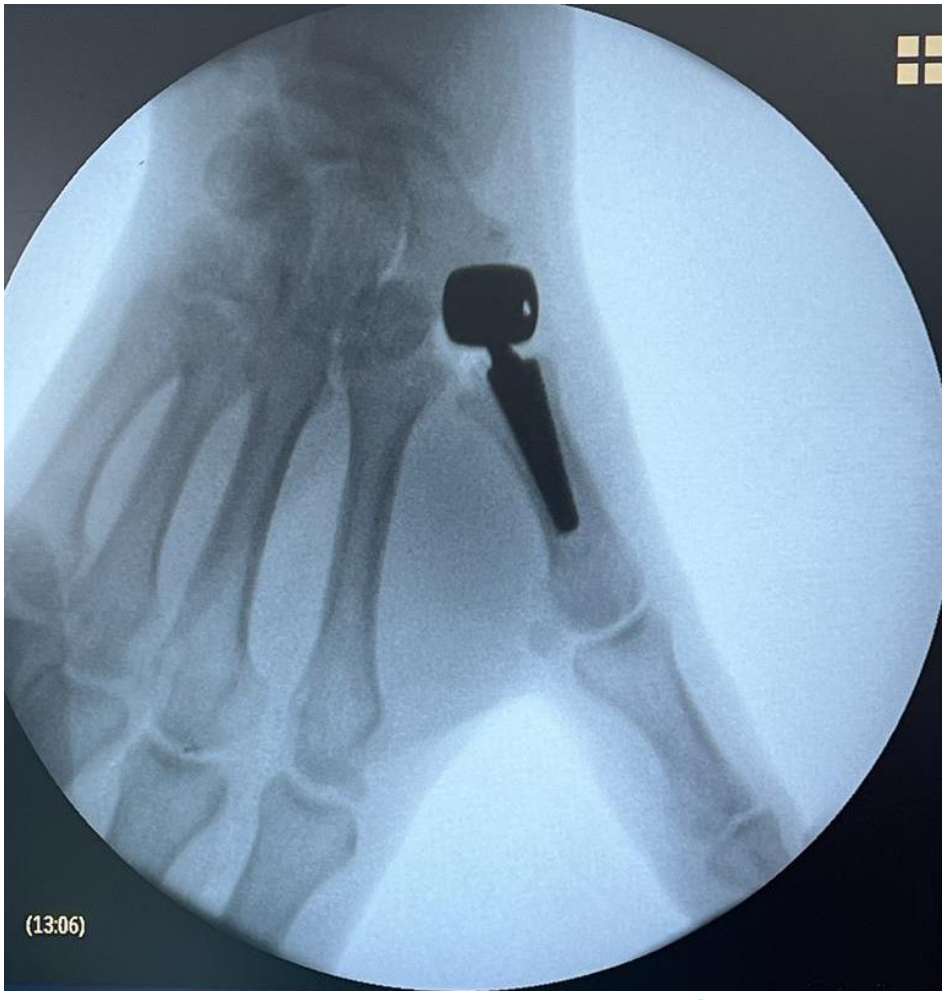
Surgery no. 4



Surgery no. 5







Surgery no. 6

Beznoska marketing team

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