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Deep sclerectomy with non absorbable implant Esnoper (V-2000) versus T-Flux. Comparative study. Report at one year

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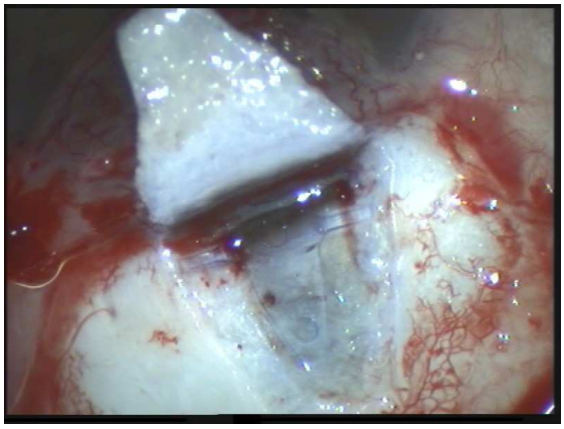
Purpose: Compare the postoperative outcome of two different non absorbable implants, the new version of the Esnoper V-2000 (AJL Ophthalmic S.A., Álava, España). with the T-Flux (Carl Zeiss Meditec Company, La Rochelle, France) used in deep sclerectomy.

Methods: 60 patients with open angle glaucoma or pseudoexfoliative glaucoma include initially. Underwent deep sclerectomy in group 1 (n = 30) the implant used was the T-Flux in group 2 (n = 30) the new version of the Esnoper, V-2000. In both group the surgical technique include 5-FU during the surgery, suprachoroidal implant and non scleral stitch. Non parametric test Mann - Whitney U and Wilconxon W were used to analyzed the results.

Results: These are the results at one year of the modified version of the Esnoper V-2000 compare with the T-Flux our choice for the moment. There was no statistically difference between the groups. For group 1 (T-Flux) the mean age was 70.37 ± 6.57 and the initial IOP, 1, 3, 6 month and one year was: 24.93 ± 10.03 mm Hg, 11.19 ± 5.21 mmHg, 13.19 ± 4.97 mmHg, 13.81 ± 3.59 and 15.26 ± 3.97. In the group 2 (V-2000) same parameters were: 70.41 ± 8.60 years old, initial IOP 24.24 ± 10.81, 1 month 10.09 ± 2.82; 3 month 13.07 ± 3.34; 6 months 13.40 ± 4.04 and 1 year 15.94 ± 2.31 mmHg. I is not statistically significance. There were a similar rate of postoperative actions like goniotomy, needling and use of antimetabolites.

Discussion: The Esnoper V-2000 produces an IOP at least comparable with the T-Flux at one year with the same rate of complication.

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Visante™ OCT
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High Res. Corneal
OD
OS
352°
172°


ZEISS
Visante™ OCT
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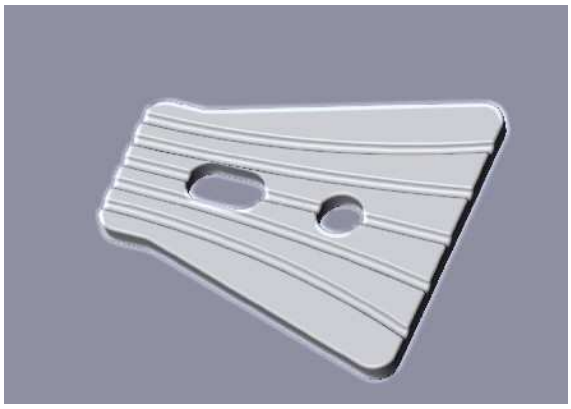

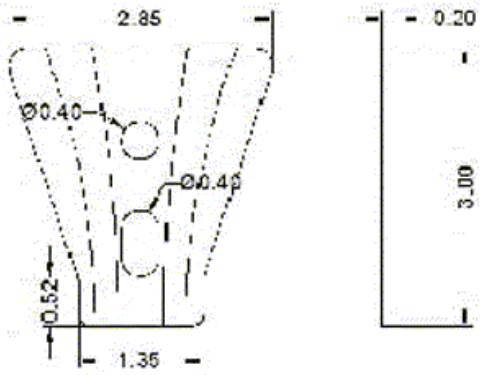
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