HAVY technique for augmenting (and extra support) of thin anterior lamella in transcutaneous lower blepharoplasty

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HAVY technique is an innovative surgical method used in lower blepharoplasty for selected patients having hollow lower eyelid caused by thin anterior lamella. By using the excess part of preseptal orbicularis oculi muscle and folding it inward on itself for auto augmentation instead of excising it.

Through a subciliary transcutaneous incision the orbital septum was accessed and plicated then the excess anterior lamella was re-draped to mark the amount to be excised. Instead of cutting both the skin and the muscle together Colorado tip needle was used to dissect the thin lower lid skin from the preseptal orbicularis muscle. Once the dissection was completed, we cut the lateral 1/3 of the separated preseptal muscle vertically to use as suspension flap then folded the rest medial 2/3 inward over itself and stitched it in 3 points to the inner surface of the muscle by (5-0) Vicryl rapid suture. And the excess skin was cut with scissors from lateral to medial.

We found that this technique will give the lower eyelid a natural looking tight and full shape addressing lower lid fat bulging or hollowness which is due to thin anterior lamella due to the support provided by the muscle flap and it’s filling effect.