

Bilateral globe rupture, loss of intraocular content and 330° retinal dialysis

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Methods:

We present a surgical video of a case with traumatic bilateral globe rupture, loss of all vitreous content, retinal dialyses in about 330° and incarceration of the retina in the wound. The globes were closed on the day of the accident. Vitrectomy, extraction of sub and pre-retinal membranes, injection of heavy liquid to flatten the retina, laser retinopexy and heavy liquid/silicone oil exchange were performed in both eyes.

Effectiveness / Safety:

The retina remains attached in both eyes two months after the surgery. Visual acuity is 20/200 in the right eye and hand movements in the left eye. The left eye has a cloudy cornea and is awaiting corneal transplantation.

Take home message:

In trauma cases with very complicated lesions it is still possible to recover useful vision.