

# AMBIODisk™

## Case Study



**PATIENT'S PERSPECTIVE:** *"In the summer of 2016, I began experiencing excruciating pain in my right eye with what would be diagnosed as a recurrent corneal erosion. After discussing treatment options with my optometrist, we decided that AmbioDisk amniotic membrane placement would be the most effective option. After a simple office visit for the procedure and a recovery period of a few days, I could immediately feel the difference. I have been asymptomatic for almost 2 years now and could not be happier with the results. The relief the procedure has brought me has been immense and I would recommend it to anyone experiencing similar conditions." - Thank you, Katy N.*

### CASE PRESENTATION:

23 year old white female presents with complaint of pain and irritation in the right eye. The patient states she has had daily symptoms for approximately 1 month. The patient also reports an episode of trauma that resulted in a corneal abrasion several years prior.

### CLINICAL FINDINGS:

A slit lamp examination showed an area of fluorescein stain with surrounding loose epithelium. These findings are consistent with the patient's symptoms and a diagnosis of recurrent corneal erosion is made.

### PATHOPHYSIOLOGY:

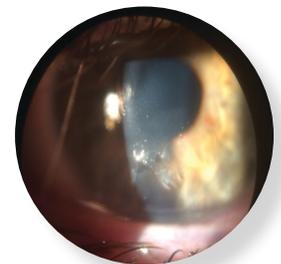
Faulty adhesions of the corneal epithelium to the basement membrane account for the anatomic changes seen in a recurrent corneal erosion. Increased levels of inflammatory mediators are present which have been shown to delay healing. Treatment is aimed at reducing inflammation and promoting re-epithelialization.

### TREATMENT:

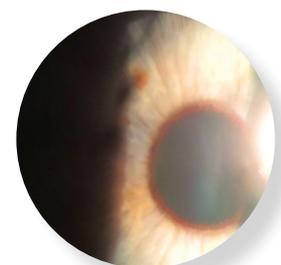
After an informed discussion, the patient chose to proceed with debridement and application of AmbioDisk. After the loose epithelium was debrided, the amniotic membrane was placed and a bandage contact lens was applied. The patient was instructed to use tobramycin/dexamethasone ophthalmic drops three times daily in conjunction with 20 mg doxycycline twice daily.

### OUTCOME:

After 1 week, the AmbioDisk dissolved and the BCL was removed. The patient was closely monitored and continued the anti-inflammatory treatments for several months. The patient has remained symptom free and there have been no recurrences of these episodes.



Placement of AmbioDisk



Patient Follow-up



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