

HIGH-VOLTAGE ELECTRICITY RELATED OCULAR COMPLICATIONS

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High-voltage electricity or lightning induced retinopathy is rare clinically. We report two rare cases. The first case is a 24 year-old man who suffered from high-voltage electric strike with the chief complaint of blurred vision three days later. Macular edema was found in his right eye, and macular hole was noted three months later. Bilateral cataracts were noted six months later, and the vision of his left eye was well recovered after cataract surgery.

The second case is a 49 year-old man who also suffered from high-voltage electric strike. Bilateral cataracts surgery were done three months later. Unfortunately, bilateral retinal detachments were noted five years and sixteen years later respectively. The vision of both eyes was well recovered after treatment. We report two cases of high-voltage electricity related ocular complications, and the mechanisms will be discussed in this article.

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