The spectrum of ocular injuries caused by gunshot trauma varies from a simple contusion to serious cases resulting blindness with an direct or indirect effect. In this paper, cataract and other ocular findings in a 21-year-old male patient was presented after suicidal attemption with gunshot without any contact to globe.

A 21-year-old male patient was admitted to the hospital with cranial trauma and loss of consciousness after suicidal attemption with gunshot. Flame burns of the facial skin, periorbital ecchymosis and bilateral eye lid edema were found. The ophthalmic examination revealed conjunctival edema, subconjunctival hemorrhage, corneal edema and grade 1 hyphema in his right eye. Neither lens nor other segments of the eye was showed any other pathological findings. Direct skull radiographs and 3D CT scans of the brain and orbit showed that the bullet had penetrated the right mandibula and then went through upper medial orbital wall and left the skull from right frontal bone. After 3 days, reduction of corneal edema and hyphema with rapidly developing cataract was observed. Indirect ophthalmic examination revealed few retinal hemorrhages and retinal whitening involving the posterior pole and extensive areas of the peripheral retina consistent with Berlin's edema. After 1 week, cataract became more opaque. Ten days later the patient died from advanced intracranial hemorrhage and edema.