

OCULAR AND PERIORBITAL INJURY BY IMPROPER USE OF EYE PROTECTION DEVICE – A CASE REPORT

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Purpose: Ocular safety in the workplace is not an issue fully stressed in Taiwan. We report a case of ocular and periorbital trauma caused by insufficient eye protection. The large traumatic upper eyelid defect was repaired emergently by Cutler-Beard method.

Method: Case report.

Result: A 29-year old male patient hurt his right eye while working on a grinding machine. At the moment of injury, he was not properly wearing an eye-protecting device. His upper eyelid was severely lacerated with a full layer defect. His eyeball was deeply cut by the grinding machine resulting in multiple lacerations of conjunctiva and deep grooving injury on

sclera and cornea. The conjunctiva was sutured after cleaning the wound thoroughly. The cornea was left for spontaneous healing without suture. The large eyelid defect was repaired immediately with the method of Cutler-Beard. After three-week healing, the flap was separated. The cosmeses and function of eyelid were found better. The vision was restored to 1.0 with the correction by a rigid gas-permeable contact lens.

Conclusion: A traumatic large upper eyelid defect can be repaired emergently by Cutler-Beard method. More attention should be paid to occupational safety and ocular protection at work.

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