Australian Government
Repatriation Medical Authority

RETINAL BURN

RMA ID Number	Reference List for RMA474-1 as at April 2023

110236	Alasiri RA, Algarni HA, Alasiri RA (2019). Ocular hazards of curing light units used in dental practice - A systematic review. Saudi Dent J, 31(2): 173-80.
110469	Alba-Linero C, Rocha de Lossada C, Rodriguez Calvo de Mora M, et al (2019). Laser light retinopathy. Rom J Ophthalmol, 63(4): 372-4.
110470	Anderberg B, Sjolund B, Bolander G, et al (1989). Vulnerability of the retina to injury from a military ruby rangefinder at battlefield distances. Health Phys, 56(5): 743-8.
110911	Aras C, Koyluoglu N, Hasheminia A, et al (2009). Inadvertent laser-induced retinal injury following a recreational laser show. Clin Exp Ophthalmol, 37(5): 529-30.
110471	Australian Radiation Protection and Nuclear Safety Agency (ARPANSA) (2022). Lasers. Retrieved 7 March 2023, from https://www.arpansa.gov.au/understanding-radiation/what-is-radiation/non-ionising-radiation/laser
110472	Barkana Y, Belkin M (2000). Laser eye injuries. Surv Ophthalmol, 44(6): 459-78.
110473	Bartsch DU, Muftuoglu IK, Freeman WR (2016). Laser pointers revisited. Retina, 36(9): 1611-3.
110474	Begaj T, Schaal S (2018). Sunlight and ultraviolet radiation-pertinent retinal implications and current management. Surv Ophthalmol, 63(2): 174-92.
110476	Berus T, Turno-Krecicka A, Kwiatkowska E (2016). Solar retinopathy. Klin Oczna, 117(4): 271-4 [Article in Polish].
110475	Berus T, Turno-Krecicka A, Kwiatkowska E (2016). Solar retinopathy. Klin Oczna, 117(4): 271-4. [Abstract]
110477	Bhavsar KV, Michel Z, Greenwald M, et al (2021). Retinal injury from handheld lasers: a review. Surv Ophthalmol, 66(2): 231-60.
110478	Birdsong O, Ling J, El-Annan J (2016). Solar retinopathy. Ophthalmology, 123(3): 570.
110479	Birtel J, Harmening WM, Krohne TU, et al (2017). Retinal injury following laser pointer exposure. Dtsch Arztebl Int, 114(49): 831-7.
110488	Borroni D, Erts R, Vallabh NA, et al (2021). Solar retinopathy: a new setting of red, green, and blue channels. Eur J Ophthalmol, 31(3): 1261-6.
110489	Brittain GP (1988). Retinal burns caused by exposure to MIG-welding arcs: report of two cases. Br J Ophthalmol, 72(8): 570-5.
110490	Byrnes VA (1958). Flash blindness and chorioretinal burns produced by atomic flash. J Am Med Assoc, 168(6): 778-9.
110915	Byrnes VA, Brown DV, Rose HW, et al (1955). Chorioretinal burns produced by atomic flash. AMA Arch Ophthalmol, 53(3): 351-64.
110491	Cai YS, Xu D, Mo X (1989). Clinical, pathological and photochemical studies of laser injury of the retina. Health Phys, 56(5): 643-6.
110492	Chandra P, Azad RV (2004). Laser rangefinder induced retinal injuries. Indian J Ophthalmol, 52(4): 349.

110493	Choi SW, Chun KI, Lee SJ, et al (2006). A case of photic retinal injury associated with exposure to plasma arc welding. Korean J Ophthalmol, 20(4): 250-3.
110494	Commiskey PW, Heisel CJ, Paulus YM (2019). Non-therapeutic laser retinal injury. Int J Ophthalmic Res, 5(1): 321-35.
110495	Dhillon PS, Gupta M (2015). Ophthalmic manifestations postlightning strike. BMJ Case Rep, 2015: bcr2014207594.
110496	Dietrich KC (2017). Aircrew and handheld laser exposure. Aerosp Med Hum Perform, 88(11): 1040-2.
110497	Eggertson L (2009). Military claims laser dazzlers have "negligible" risk. CMAJ, 180(11): 1099-100.
110498	Espaillat A, Janigian R Jr, To K (1999). Cataracts, bilateral macular holes, and rhegmatogenous retinal detachment induced by lightning. Am J Ophthalmol, 127(2): 216-7.
110499	Franks JK (1989). New philosophies in control of laser hazards in the outdoors. Health Phys, 56(5): 749-52.
110500	Gillow JT (1995). Another weapon too far: the anti-personnel laser. J R Soc Med, 88(6): 347-9P.
110501	Gonzalez Martin-Moro J, Hernandez Verdejo JL, Zarallo Gallardo J (2018). Photic maculopathy: A review of the literature (I). Arch Soc Esp Oftalmol (Engl Ed), 93(11): 530-41.
110502	Ham WT Jr, Mueller HA, Ely TS (1987). Potential ocular hazards from xenon flashlamps. Appl Opt, 26(16): 3466-9. [Abstract]
110503	Handa JT, Jaffe GJ (1994). Lightning maculopathy. Retina, 14(2): 169-72.
110504	Harris MD (2003). Laser eye injuries in military occupations. Aviat Space Environ Med, 74(9): 947-52.
110505	Hudson SJ (1998). Eye injuries from laser exposure: a review. Aviat Space Environ Med, 69(5): 519-24.
110506	Inoue M, Shinoda K, Ohde H, et al (2006). Phototoxic effects of commercial photographic flash lamp on rat eyes. Doc Ophthalmol, 113(3): 155-64. [Abstract]
110507	Kandari JA, Raizada S, Razzak AA (2010). Accidental laser injury to the eye. Ophthalmic Surg Lasers Imaging, 2010: 1-5.
110509	Khadka S, Byanju R, Pradhan S, et al (2021). Evolution of lightning maculopathy: Presentation of two clinical cases and brief review of the literature. Case Rep Ophthalmol Med, 2021: 8831987.
110513	Kim MS, Lee SG, Kim JY, et al (2019). Maculopathy from an accidental exposure to welding arc. BMJ Case Rep, 12(2): bcr-2018-227677.
110511	Kim YJ, Nam DH, Kim YJ, et al (2019). Light exposure from microscope versus intracameral illumination during cataract surgery. Indian J Ophthalmol, 67(10): 1624-7.
110514	Lubow M (1964). Ocular hazards due to nuclear explosions. Surv Ophthalmol, 9: 244-51.
110515	Magnavita N (2002). Photoretinitis: an underestimated occupational injury? Occup Med (Lond), 52(4): 223-5.
110516	Mahindrakar A, Toshniwal S, Doongerwala MI, et al (2013). Spectralis optical coherence tomography findings in Welder's maculopathy. Indian J Ophthalmol, 61(5): 238-40.
110517	Mainster MA, Stuck BE, Brown J Jr (2004). Assessment of alleged retinal laser injuries. Arch Ophthalmol, 122(8): 1210-7.
110859	Marshall J (1997). Blinding laser weapons. BMJ, 315(7120): 1392.
110524	Marshall J (1998). The safety of laser pointers: myths and realities. Br J Ophthalmol, 82(11): 1335-8.
110518	Marshall WJ (1989). Laser reflections from relatively flat specular surfaces. Health Phys, 56(5): 753-7.

110525	Mauget-Faysse M, Quaranta M, Francoz N, et al (2001). Incidental retinal phototoxicity associated with ingestion of photosensitizing drugs. Graefes Arch Clin Exp Ophthalmol, 239(7): 501-8.
110526	Mellerio J, Marshall J, Tengroth B, et al (1991). Battlefield laser weapons: an assessment of systems, hazards, injuries and ophthalmic sources required for treatment. Lasers Light Ophthalmol, 4: 41-67.
110527	Michael R, Wegener A (2004). Estimation of safe exposure time from an ophthalmic operating microscope with regard to ultraviolet radiation and blue-light hazards to the eye. J Opt Soc Am A Opt Image Sci Vis, 21(8): 1388-92. [Abstract]
110528	Modarres-Zadeh M, Parvaresh MM, Pourbabak S, et al (1995). Accidental parafoveal laser burn from a standard military ruby range finder. Retina, 15(4): 356-8.
110529	Nakagawara VB, Wood KJ, Montgomery RW (2008). Laser exposure incidents: pilot ocular health and aviation safety issues. Optometry, 79(9): 518-24.
110523	Nathanson V (1997). Humanitarian action: the duty of all doctors. BMJ, 315(7120): 1389-90.
110530	Neffendorf JE, Hildebrand GD, Downes SM (2019). Handheld laser devices and laser-induced retinopathy (LIR) in children: an overview of the literature. Eye (Lond), 33(8): 1203-14.
110531	Noble C, Blice J (2015). Permanent retinal injury from recreational laser pointer. Mil Med, 180(3): e378-80.
110532	Okuno T, Saito H, Ojima J (2002). Evaluation of blue-light hazards from various light sources. Dev Ophthalmol, 35: 104-12.
110857	Ozer MD, Batur M, Seven E, et al (2020). Phototoxic maculopathy due to extreme usage of infrared illuminator-assembled night-vision handheld scope. Eur J Ophthalmol, 30(6): NP11-6.
110858	Pariselle J, Sastourne JC, Bidaux F, et al (1998). [Eye injuries caused by lasers in military and industrial environment. Apropos of 13 cases]. J Fr Ophtalmol, 21(9): 661-9 [Article in French]. [Abstract]
110535	Pastuszka M, Gos R, Jurowski P, et al (2013). [Ocular findings in Polish Armed Forces in Iraq and Afghanistan, a review of medical examinations by The Military Medical Commission in Lodz]. Klin Oczna, 115(4): 296-9 [Article in Polish]. [Abstract]
110536	Penaranda CF, Acon D, Valdes CA, et al (2020). Bilateral maculopathy and cataracts secondary to an accidental high-voltage electrical discharge. Taiwan J Ophthalmol, 11(2): 187-9.
110533	Peters A (1996). Blinding laser weapons. Med Confl Surviv, 12(2): 107-13.
110537	Pradhan E, Khatri A, Ahmed AA, et al (2020). Lightning injury to eye: Brief review of the literature and case series. Clin Ophthalmol, 14: 597-607.
110538	Praveena, Manoher JM, Kumar A (2022). Prevalence and pattern of ocular disorders due to chronic exposure to arc welding among occupational welders in Western Rajasthan. J Family Med Prim Care, 11(6): 2620-6.
110539	Reddix MD, Funke ME, Kinney MJ, et al (2019). Evaluation of aircrew low-intensity threat laser eye protection. Mil Med, 184(Suppl 1): 593-603.
110540	Rishi E, Indu VP, Sharma U (2021). Lightning injuries of the posterior segment of the eye. Taiwan J Ophthalmol, 12(2): 130-7.
110534	Roider J, Buesgen P, Hoerauf H, et al (1999). Macular injury by a military range finder. Retina, 19(6): 531-5.
110541	Rose HW, Brown DV, Byrnes VA, et al (1956). Human chorioretinal burns from atomic fireballs. AMA Arch Ophthalmol, 55(2): 205-10.
110542	Seet B, Wong TY (2001). Military laser weapons: current controversies. Ophthalmic Epidemiol, 8(4): 215-26.
110543	Sharma R, Krishnappa NC, Gupta R, et al (2021). Solar retinopathy presenting with outer retinal defects among habitants of high altitude. Turk J Ophthalmol, 51(2): 131-3.

110544	Shukla D (2015). Optical coherence tomography and autofluorescence findings in chronic phototoxic maculopathy secondary to snow-reflected solar radiation. Indian J Ophthalmol, 63(5): 455-7.
110545	Sliney DH (1970). Evaluating health hazards from military lasers. JAMA, 214(6): 1047-54.
110546	Sliney DH, Yacovissi R (1975). Control of health hazards from airborne lasers. Aviat Space Environ Med, 46(5): 691-6.
110547	Stokkermans TJ, Dunbar MT (1998). Solar retinopathy in a hospital-based primary care clinic. J Am Optom Assoc, 69(10): 625-36.
110548	Sunder KS, Shetty N, Singh VK, et al (2004). Laser range finder can cause retinal injury. Indian J Ophthalmol, 52(2): 169-70.
110549	Thach AB (1999). Laser injuries of the eye. Int Ophthalmol Clin, 39(2): 13-27.
110550	Thanos S, Bohm MR, Meyer zu Horste M, et al (2015). Retinal damage induced by mirror-reflected light from a laser pointer. BMJ Case Rep, 2015: bcr2015210311.
110551	Whitmer DL, Stuck BE (2009). Directed energy (laser) induced retinal injury: current status of safety, triage, and treatment research. US Army Med Dep J, 2009: 51-6.
110552	Wolfe JA (1985). Laser retinal injury. Mil Med, 150(4): 177-85.
110553	Wolffe M (2016). How safe is the light during ophthalmic diagnosis and surgery. Eye (Lond), 30(2): 186-8.
110554	Wong TY, Seet MB, Ang CL (1997). Eye injuries in twentieth century warfare: a historical perspective. Surv Ophthalmol, 41(6): 433-59.
110555	Yang X, Shao D, Ding X, et al (2012). Chronic phototoxic maculopathy caused by welding arc in occupational welders. Can J Ophthalmol, 47(1): 45-50.
110556	Yiu G, Itty S, Toth CA (2014). Ocular safety of recreational lasers. JAMA Ophthalmol, 132(3): 245-6.
110557	Youssef PN, Sheibani N, Albert DM (2011). Retinal light toxicity. Eye (Lond), 25(1): 1-14.
110558	Zheng X, Xie P, Hu Z, et al (2017). Phototoxic maculopathy induced by quartz infrared heat lamp: A clinical case report. Medicine (Baltimore), 96(3): e5830.