

## Can Police Car Colored Flash Light Induce Encephalographic Discharges and Seizures?

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**Aim.** To explore the epileptogenic potential of a newly introduced police car flash light device (930 Heliobe Lightbar).

**Methods.** A 930 Heliobe Lightbar was installed in the EEG laboratory. Thirty patients with known epilepsy, 30 otherwise healthy subjects with chronic headache, and 15 healthy volunteers were examined. All the subjects signed an informed consent and underwent an EEG during which photostimulation was performed first with the standard stroboscope, and later with the Police lightbar.

**Results.** In all 75 examinees the lightbar did not induce clinical or electrographic seizures. In a single patient with epilepsy, the lightbar enhanced epileptiform activity induced by standard photic stimulation.

**Conclusion.** The new Police light bar was found to be non-epileptogenic.

**Key Words:** EEG; epilepsy; light; photosensitivity disorders; seizures, epileptic

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