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# High voltage electricity Induced lung injury- A case report and review of literature- Harish- KSR Institute of Dental Science and Research

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## Abstract

**Introduction:** Electricity Induced lung injury is a rare complication of electrical burn. This is the first documented case of bilateral lung infiltrates/ oedema without cardiac arrest following a electrical burn in Tamilnadu.

**Case report:** Mechanics of injury A 25 year old Ranganathan who came in contact with a overhead electrical line while working in terrace was brought in a drowsy state

**Examination:**

Drowsy, ocassionally responds to oral commands

SPO2:88% in room air

Vitals stable

RS: bilateral creps + scattered in all areas Recovered on Day2

**Important Investigation:**

ECG: NSR, Sinustachycardia

CPK:340

LDH:412

Echo: Normal Study

XRay: Bilateral fluffy perihilar infilterates CT: Bilateral Consolidatory changes over all lobes

**Management:** Nasal O2 support, continuous cardiac monitoring, symptomatic management Pecularities: High Voltage electric Injury, No need of mechanical Ventillation, Disproptionate body involvement, Complete recovery.

**Conclusion:** Electricity induced lung injury is a rare entity. Only documented such cases are available in literature. Mechanism is still not clearly known. Lung is filled with air which is a poor conductor of electricity.

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