

# COPD AND LUNGS

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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, India

**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, occasionally 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 infiltrates

CT: Bilateral Consolidatory changes over all lobes

**Management:** Nasal O2 support, continuous cardiac monitoring, symptomatic management

**Peculiarities:** High Voltage electric Injury, No need of mechanical Ventillation, Disproportionate 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.

### Biography

Harish works at KSR Institute of Dental Science and Research, India. His research is on Induced Lung injury, Mechanical ventilation.

harishsivaganam@gmail.com

### Notes: