

9<sup>th</sup> International Conference on

# COPD AND LUNGS

August 19-20, 2019 Tokyo, Japan

## 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 O<sub>2</sub> 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:**