



## ***Intubation Box for Covid Patients: A Approach to reduce the infection of Medical Professional***

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### ***Abstract***

As in the case of COVID-19, patients develop respiratory failure thus requiring assistance in the form of endotracheal intubation. Given the nature of this process, healthcare providers are at risk of contracting the virus via droplets either exhaled or coughed out by the patient. The intubation box allows having this protection in place by limiting the infection within the box's volume around the patient.

**Conclusion & Significance:** The device functions as an aerosol obstruction box which is placed atop the patient bed on the head-side, limiting the flow of virus-laden droplets from the patient to the doctor, especially during the process of intubation.

### ***Biography:***

Koushal Kumar is Senior Professional in Biomedical Engineer at Tata Medical Center. He is Completed Master Degree in Biomedical Instrumentation, MBA, Diploma in Health & Hospital Mgmt, Post Graduate in Medico Legal & Ethics & Diploma in Mgmt. Speakers of Biomedical Engineers Topic in various workshops.