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“Impact of stage environment in the artistic voice”

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It is known that stage environment can be harmful for the performers. It is considered that the universe depending on each performer body overload and their work and living environment interacts and damage airways system. Outdoors and indoors environment has a complex mixture of gases and particles with different sources and a variable composition over space and time. There are hundreds of different chemical compounds that can be measured in air. The air has different size of particles PM10, PM2.5 and gases like ozone, sulphur dioxide, nitrogen dioxide and carbon monoxide. The universe has various meteorological factors and also anthropogenic activities that increases climate change and air pollution. The internationally accepted air pollution averages, as limits for healthy respiratory airways, are established by the WHO. Urban heat islands affect as known the respiratory health. Stage individual environment usually have scenography, curtains, tapestry that can keep dust, mites and fungus. Cleaning chemicals products are also aggressive to the respiratory system and the voice. Air conditioning systems have influence in air (pollution, humidity, temperature). Some theater productions use artificial smoke or different chemicals and this is another way of vocal folds irritation. Performers' voice production on stage has a direct influence from the environment. There are significant qualitative changes in performers' voice that can develop anatomical and functional changes such as chronic vocal folds inflammation, nodules, polyps or cysts. It is compulsory to have a complete diagnosis and desensitization treatment for respiratory allergies. The environment can be cleaner by the air purifier with H.E.P.A. filters. It is compulsory to diminish these noxious environment conditions, demanding better decisions to protect the world. The stage production has to analyze the environment and protect as much as possible the performers voice.