

## Effect Of Nutmeg In Lung Cancer

## CHAPTER 20

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### **ABSTRACT**

*Nutmeg is the species derived from several tree species is genus called Myristica. It contains essential oil, phytochemicals, bioactive compounds and it is used in the purpose of therapeutically, cosmetic industries and culinary preparation. Nutmeg is rich of triterpenes, various types of phenolic compound like aromatic ethers e.g. myristicin, elemicin, safrole and methyl eugenol. Now a day's researchers indicate antimicrobial, antioxidant, sedative, antiinflammatory and anticancer activity, Cancer is among the major causes of morbidity and mortality in worldwide. Current therapy available for cancer treatment is giving number of side effects. However, the plant product offers another route for treatment of cancer. The therapeutic properties of plant product is due to the presence of bioactive components like alkoids, terpenes, flavonoids, phenylpropanoids, eugenol etc. Recent studies give idea that cancer growth can be inhibited more effectively by the addition of phytochemicals that affects by different path ways. Addition of cytotoxic antitumour agent and inhibitors are act together producing the growth inhibitory mechanism against cancer cell. The phytochemicals are extract from nutmeg through CO<sub>2</sub> extraction processes. So in this review, we discuss the role of phytochemicals which present in the nutmeg and its potential use in the treatment and prevention of lung cancer.*

**KEY WORDS:** *Nutmeg, essential oil, lung cancer*

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### **INTRODUCTION**

Myristica fragrans might be a tree that is developed in an exceptionally tropical district. Nutmeg is acquired from the seeds of that tree. the quantity of seed acquired relies on the beginning, environment, and soil.