BURNING INCENSE IN YOUR HOME CAN BE HARMFUL FOR YOU

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INTRODUCTION

• Incense burning inside the house is a common practice in China, Taiwan, Singapore, India, North Africa and Middle Eastern nations.

• Clean air is a requirement of life, and harmful materials produced from human activities indoors, such as burning incense, can lead to a number of health problems.

• Because people spend up to 90% of their time inside the house, this, indoor air pollution is a vital issue for public health workers (RSCPHN, 2016).
WHAT IS INCENSE?

• Incense is aromatic biotic material which releases fragrant smoke when burned.
• There is Indirect Burning incense which does not combust.
• And Direct Burning— the most common form of incense today, and the easiest to use.
USES OF INCENSE

- Incense has been used for years in many different cultures for important events
- Ritual purification
- Aromatherapy
- Religious events
- Ceremonies
- Meditating
- Masking bad odors
- Creating a mood
- Prayer
- Insect repellant


DANGERS OF BURNING INCENSE

• Research has linked incense to various health disorders:
  – Respiratory distress
  – Headaches
  – Cardiovascular complications
  – Cancer
  – Unwanted transformations in lung-cell structure.

• Exposure to incense smoke may be linked to the occurrence of asthma (Hong et al., 1994)

• Increased risk of childhood brain tumors odds ratio, 3.3; p = 0.005 (Preston-Martin et al., 1982)
DANGERS OF BURNING INCENSE

- Prolonged burning of incense deteriorates air quality in the home causing
  - Irritation of the eyes
  - Irritation of the nose
  - Irritation of the throat (Cheng et al., 1995)
- Cancer of the respiratory tract (Yuan et al., 2008, Schoental and Gibbard, 1967 and Lin and Wang, 1994)
- Incense smoke is more toxic than the cigarette smoke (Zhou et al., 2015)
- Out of the 64 properties found in the incense smoke, two were reported to be very toxic (Zhou et al., 2015)
DANGERS OF BURNING INCENSE

- Incense smoke was found to be:
  - Mutagenic-Change genetic material such as DNA
  - Cytoxic- Toxic to cells
  - Genotoxic-Toxic to DNA
  - It generates high levels of benzene, 1,3-butadiene and PAHs in ambient air
  - These compounds are carcinogenic (Wang et al., 2007, Navasumrit et al., 2008 and Zhou et al., 2015)
CONCLUSION

The factors increasing the risk from PM are long exposure duration, inadequate room ventilation, small size of the room, long burning time and high-emission rates. Given the above facts, it is advised to only burn incense in a well ventilated room and for a short period of time.