

International Conference on

ORAL HEALTH AND DENTAL MEDICINE

November 29-30, 2018 Bali, Indonesia

Oral Submucous Fibrosis (OSMF): Is aflatoxin B1 & iron responsible? Haridra (turmeric) ayurvedic remedy

Rahul R Bhowate

Datta Meghe Institute of Medical Sciences (Deemed to be University), India

Statement of the Problem: Chewing betel nut with or without tobacco is widespread in Indian continent. In Rural area habit of betel nut chewing with or without tobacco started at an early age and is available as a commercial product or prepared manually by pan vendors at affordable cost. Prevalence of oral submucous fibrosis (OSMF) is increasing and leading to an epidemic of oral pre-malignant condition followed by development of oral malignancy in Indian population. Various studies have reported the presence of Aflatoxin B 1 in betel nut (Raisuddin S et al) and also it's hepatotoxic, mutagenic & carcinogenic effect. It has been suggested by various authors that it has severe effects on the liver function, as it causes disruption in the protein synthesis. Aflatoxin is also responsible for defects in RBC cell wall, making it more susceptible for haemolysis. The purpose of this study is to evaluate Serum aflatoxin B1 antibody, Iron & MDA level & formulate herbal treatment protocol for OSMF. Methodology: Purposive samples of OSMF were included in the study population for estimation of serum aflatoxin B1 antibody; Iron & MDA Level & these sufferers were treated with whole extract of Haridra (Turmeric).

Findings: Serum aflatoxin, iron & MDA levels were increased in OSMF compared with healthy controls. Treatment with Haridra extract showed significant improvement in OSMF cases.

Conclusion & Significance: Understanding of etiopathogenesis, epidemiology with clinical presentation and evidence based support from molecular and cellular pathway of disease Haridra is the favorable Ayurvedic remedy for the treatment of OSMF & prevention of malignant transformation.

Biography

Rahul R Bhowate BDS, MDS & MPhil is Professor in Oral Medicine & Radiology & Convener, Dental Education Unit at Datta Meghe Institute of Medical Sciences, Sharad Pawar Dental College & Hospital, Sawangi Meghe, Wardha, Maharashtra, India. Dr. Bhowate did his Dental schooling and post-graduation in Oral Medicine & radiology at Govt. Dental College & Hospital, Nagpur, India. He is working in the field of Preventive Oral Oncology. He is member of several prestigious national and international organizations and he is reviewer of several leading journals.

dr_bhowate@yahoo.com

Notes: