



Nutritional Pharmacology Aspects and Potential Clinical Uses of Clove Essential Oil in the Treatment of Coronavirus infection and Possibility Protect from Coronavirus (COVID-19) induced Sudden Death due the Embolism

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Abstract:

Nowadays, most of the natural products are processed and developed as potential pharmaconutrient. The majority of antimicrobials of essential oils appear to act either directly on the virus itself on the envelope or during the early stages of virus replication following the internalization of the virus into its host cell. The bioactive components (Pharmaconutrients) of clove essential oil display many pharmacological activities such as antioxidant, antibacterial, antiviral, antifungal, antimutagenic, anti-inflammatory, anti-allergic, and dental caries properties. Besides, their inhibitory effects against multiple viruses including HIV and have also inhibitory effects against certain RNA of the respiratory syncytial virus (RSV), and DNA against enveloped viruses (HSV-1 and Newcastle disease virus). In addition, it has been found that the two phytochemicals, betulinic acid and savinin, which found in the essential oil of cloves have been shown to inhibit post binding entry of severe acute respiratory syndrome (SARS) coronavirus into cells, Cloves act directly upon the virus envelope such as Coronaviruses (COVID-19), which are enveloped viruses.

In conclusion, clove essential oil may have Nutritional Therapeutic Potential effects due to its various effects, which includes antimicrobial, anti-fungal, anti-viral, anti-inflammatory, cytotoxic, analgesic, anesthetic activities, very potent as antioxidants, and inhibits post binding entry of severe acute respiratory syndrome (SARS) coronavirus into cells. Besides, anti-platelet activities; prevent the formation of a thrombus or a blood clotting. Therefore, essential oil of cloves may be considered the most candidates to combat the coronavirus and protecting against sudden death seen in some patients infected by Coronavirus (COVID 19), resulting from embolism associated with hypercoagulable formation. Clove Oil should only



be diffused in well-ventilated places, and diffusing treatments shouldn't exceed more than 60 minutes each time.

Biography:

Prof. Dr. Abu Jayyab is a Dean of Health Sciences & Medical Sciences and Medical at the Emirate University College of Technology (ECT), Abu Dhabi UAE. He also involves in the Design and Accreditation of Health and Medical Sciences at Emirates College of Technology (ECT); Prior to joining ECT, he was the Consultant of Academic Affairs, Chief Academic Officer & International Academic Advisor, at Royal Medical University.

Publication of speakers:

1. Calcium involved in the vasorelaxant effect of convolvulus arvensis L extract on rabbit aorta rings, 2011
2. Taurine Implicated in Bromocriptine Induced Hallucination: Glycine-Glutamic-Aspartic Implicated in Bromocriptine Induced Schizophrenia, 2010
3. Changes in free amino acids in Peripheral Blood (PB) lymphocytes and Polymorphonuclear (PMN) leukocytes after treatment with diazepam
4. Counteraction of nifedipine-induced hyperglycaemia by metformin
5. Insights on the mechanism of action of bromocriptine

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Page 1