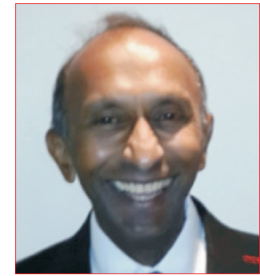


## Covid-19 and Challenges to Scientific World



The current prevailing climate in the health care professional has presented unprecedented challenges to the scientific world.

To date the knowledge base of the academic and scientific world is and always be intense and extensive.

The rhetorical question is the profound knowledge taught in the academic corridors is the exposition of teaching in silos as per various subjects taught by professorial experts adequate to fulfill the practical clinical scenarios.

Learnings, adaptations to variable scenarios is the dynamic dictum of academics and clinicians. Consciously aware that the profound academic learnings at KGMC has created a foundation to propel involvement in dental sciences to be in the frontier of acquiring knowledge and change, consistently and constantly.

My interest in Myofunctional dental medicine has provided a stimulus to be encompassing in my approach in managing patients integratively.

### **Covid 19 has illustrated a few challenges to the scientific world:-**

- 1.Relevance of past pandemics which seem to occur almost every 100 years
- 2.Consider relevance of COVID SARS virus that may have emanated from Saudi Arabia
- 3.Need for integration of the various aspects of health sciences
- 4.How do we ensure that health sciences ensure the threading of knowledge of earlier learnings in biochemistry/physics in

clinical subjects and their practical manifestations in practice of patient care.

Diet and nutrition was taught in a cursory relevance of Vitamins to health.

Dietary habits are currently dispelling many genetic theories in families and communities health status.

How does diet, in particular relevance to carbohydrates in its effects on cell function that impacts on hepatolgy and impact on myofascial growth patterns?;the impact of growth myofunctionally have been referenced to impact on the orthodontic status of dentition.

Weston Price and and recently DR. Steven Lin have correlated dietary effects and myofunctional compromised growth patterns.

How does diet affect the pH? How does pH may affect the various systems in the body.

The focused attention of pH may have an effect in planning of rehabilitation of patients that have compromised lung compliance as in COVID 19.What affect pH may have an effect on ratio of Oxygen: Carbon Dioxide ?

How does the understanding of breathing may affect planning in rehabilitation of patients ?

Impact of breathing on myofunctional facial features ?

Breathing and cell function is often referenced to the domain of pulmonologists and general medical practitioners.

Leading exponents in Dental Medicine, Prof Donald Giddon has enunciated the importance of Dental Medicine as opposed to the traditional dental surgery qualifications.

Is there an argument to differentiate the qualifications:

1. Dental surgery
2. Dental Medicine
3. Has the moment arrived where syllabi of health sciences need to be redrafted and adopted to ensure graduates in the 21<sup>st</sup> century are more integrative in their experiential knowledge.


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