

## ABSTRACT

### **ADDRESSING THE ESTHETIC AND FUNCTIONAL PROBLEMS: AN INTERDISCIPLINARY APPROACH**

In the modern era, the onus is on the dental health providers to keep themselves updated about the latest advancements to meet the increased expectations of the aware patients. The evolution of dentistry over the past few years has enabled the clinicians, practising the different branches of dentistry to work together, providing an integrated and improved treatment plan over an unilateral approach, especially in cases like smile designing, implants, perio-esthetic surgeries, treatment of fractured teeth, gingival addition and subtraction procedures.

However, in cases like Gingival recession and crown lengthening, the decision about whether it should be periodontally driven or restoratively driven has led to a dilemma in treatment planning. Also, overhanging dental restorations harm the surrounding periodontal tissues pushing them into a diseased state.

Such scenarios have triggered the invention of biomimetic materials, stem cell therapy and commercially available kits related to diagnosis, risk assessment, and prognosis for caries/periodontal disease, which increase the success rates of procedures like perforation, repair, periodontal surgeries etc.

The prognosis of dental procedures depends on how well the periodontal health status is maintained. Even dental procedures of the highest esthetic standards, performed at the expense of neglecting the surrounding periodontal tissues would do more harm than good as it would lead to a biological failure. Thus, by adapting principles whereby the surrounding dental tissues are maintained in their proper state, an inter disciplinary dental treatment can be made successful.

In this review poster, the challenges of interdisciplinary dentistry and the new approaches have been discussed.



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