

## Minimally Invasive Esthetic Options & Procedures in Prosthodontics



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Prosthodontics as a speciality caters to the varied restorative needs of the vast spectrum of population. With so many rapid advances in various fields of prosthodontics, it is imperative to have evidence based research to corroborate on the application of various materials and techniques in the treatment of patients. According to American Dental Association, Evidence based dentistry (EBD) is defined as “ An approach to oral health care with judicious integration of systematic assessment of clinically relevant scientific evidence, relating to

patients oral and medical conditions and history with the dentists clinical expertise and patients treatment needs and preferences”. Evidence based research could be In-vitro or In-vivo. In-Vivo studies are one of the most challenging studies providing more accurate results than in-vitro. Be it in the field of Implant supported full mouth rehabilitation, implant-abutment interfaces, post implant loading, abutment designs, luting agents, type of prosthetic material for full mouth implant prosthesis, CAD CAM Prosthesis, accuracy of the various intra oral scanners which are fast replacing the traditional Impression materials, incorporations of substances into the acrylic teeth for better wear resistance, virtual bite registration materials, materials used for Maxillofacial Prosthodontics, to name a few, are the various aspects of Prosthodontics where EBR is required to provide a better standard of care to our patients. In-Vitro studies in Prosthodontics are done following robust research methodology. The use of digital methods of measuring the outcomes has increased the accuracy in the data collected. Randomised Control Trials are considered on the top of hierarchy of evidence. Today there is greater emphasis on patient reported outcome measures in patient-based studies.

Research is an essential tool that propels the subject of Prosthodontics to move ahead. As the subject of Prosthodontics is unique, it is imperative to have consensus on guidelines for reporting Prosthodontic outcomes. All reporting of Prosthodontic research should fall under the different reporting guidelines such as CONSORT, PRISMA, STROBE and many more. This shall ensure greater quality of evidence that shall make clinicians take decisions based on sound scientific grounds.