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Flaskless curing of acrylic dentures by microwave energy

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The aim of the work is to describe a successful flask free technique for microwave processing of poly methyl methacrylate (PMMA) resins and to evaluate this technique regarding dimensional accuracy, denture adaptation to the master die and porosity by comparing it with the traditional water bath curing method. The result of this study provided a promising method for processing dentures having all the benefits of microwave technique but without the major drawback of the conventional microwave curing, that is, it does not need special flask. It was concluded that artificial dentures processed by flask free microwave curing (FFMC) were as acceptable as dentures processed by the conventional water bath curing (CWBC). It showed also that resin record bases processed by the FFMC were better adapted to master cast than resin record bases processed by the CWBC and microwave energy can be used to cure denture resin without producing porosity up to 6.5 mm thickness.

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Dental implants failure: A review

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Background: Despite the advances in dental implants materials, design and techniques, the failure of dental implant is a nightmare for both dentists and patients. The failure of dental implants increased over the time due to different factors. Treatment of dental implant failure, devote more time and resources than that required dental implant treatment.

Method: The searched literature from articles that addressed dental implant failure, metal analysis was predominant in the selection.

Results: The prognosticator for dental implant success or failure obtained of different articles. The predictor for success or failure are the age of the patient, the operator experience, location of the dental implant, quality and quantity of the available ben, oral hygiene, length of the implants and prosthetic design.

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