

## PhD in Dental Medicine

**Title:** Comparative study of two acrylic resins used in prosthodontics: IvoBase System VS ProBase Hot

Lately, significant advances in prosthodontics have been achieved due to the clinical evolution of biomaterials, such as acrylic resins and several techniques for their polymerization. Due to the complexity of their chemical composition and the incomplete monomer-polymer conversion, there are multiple components that migrate from the resin to the oral environment, which have the potential to cause adverse reactions in adjacent tissues. This work intends to study two acrylic resins used in removable prosthesis through the knowledge of its mechanical, chemical and biological properties.

**Keywords:** Acrylic resins, denture base, biomaterials, polymethylmethacrylate, mechanical and biologic properties

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