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A Simplified Self-Cure Acrylic Resin Technique for Beading and Boxing Elastomeric Impressions – A Short Communication

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ABSTRACT:

Beading and boxing of definitive impressions are essential for preserving sulcus depth and producing master casts with accurate borders and uniform thickness. However, conventional wax often exhibits poor adhesion to elastomeric impressions, increasing the risk of border distortion during stone pouring. This technical note describes a simplified beading and boxing technique using self-cure acrylic resin at the sandy stage to create a micro-retentive surface for improved wax adaptation. A thin layer of partially polymerized resin was applied along the impression borders before conventional wax beading and boxing. The technique enhanced wax retention and facilitated the fabrication of master casts with accurate peripheral contours and consistent thickness. This simple, economical, and reproducible modification can be readily incorporated into routine complete denture practice.

Keywords: Beading and boxing; elastomeric impression; self-cure acrylic resin; complete denture; master cast.

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