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Precision Attachment–Supported RPD in Maxillary Kennedy Class I: A Case-Based Approach

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ABSTRACT

Distal extension partial denture cases require support from teeth, mucosa, and underlying alveolar ridges, which are subjected to many functional forces that can place excessive stress on the abutment teeth and accelerate changes in the residual ridges.^[Error! Reference source not found.] Precision attachments were developed to overcome common denture problems such as poor retention and reduced chewing efficiency. Precision attachments consist of fixed and removable elements: the **matrix** (female component) incorporated into a crown or fixed restoration, and the **patrix** (male component) attached to a removable partial denture.^[Error! Reference source not found.] This case report describes the clinical steps involved in rehabilitating maxillary distal extension using precision attachments to achieve a stable, aesthetic, and functionally efficient prosthetic outcome.

Keywords:

Precision attachments; Removable partial denture; Maxillary Kennedy Class I; Distal extension; Ball-and-socket attachment; Attachment-retained RPD; Prosthetic rehabilitation; Extra-coronal attachment; Abutment support

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