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**Title:** Treatment Plans Related to Key Implant Positions and Implant Number

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**Abstract:** Aim & Introduction: Some implant positions are more critical than others in regard to force reduction. There are four general guidelines to determine key implant positions.

Content: To reduce stress conditions, there are key implant positions for a prosthesis replacing missing teeth: (1) no cantilevers should be ideally designed on the restoration, (2) three adjacent pontics should be eliminated, (3) the canine and first molar sites are important positions in an arch, and (4) an arch is divided into five segments. When more than one segment of an arch is being replaced, a key implant position is at least one implant in each missing segment. Increasing the number of implants is the most efficient method to increase surface area and reduce overall stress. Therefore, after the key implant positions are selected, additional implants are indicated to reduce the risks of overload from patient force factors or implant sites with reduced bone density. When in doubt of the number of implants required, add an additional implant.

Conclusions: A biomechanical-based treatment plan reduces complications after implant loading with the prosthesis.

**Implant Positions, Implant number, cantilevers, overload**

**Presentation:** Poster