

Dental implants are used for the replacement of missing teeth in various clinical situations. In posterior maxilla or mandible the alveolar ridge height is defined by the extent of alveolar ridge resorption and the location of the maxillary sinus or the inferior alveolar nerve. The reduced available bone height may preclude regular dental implant placement. Additionally lower bone quality in posterior maxilla is also a risk factor for osseointegration. Management of these problems include alveolar ridge augmentation, lateral nerve transposition and sinus lift procedures, with or without grafting which may require extensive surgeries with variable outcomes. Moreover patient may not be suitable for such advance treatment and failure rates are higher compared to less complex procedures. An alternative approach for the treatment of such situations involves the use of different designs of dental implants such as short implants, hybrid implants, disk implants and basal compressive implants. This presentation will review the uses of and the clinical situation rehabilitated by use of such dental implants.

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## 35. Implantology in compromised clinical situation

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