Ridge Split: An Answer To Severly Narrow Ridges

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Suitable for	**Intermediate and Advanced Learners**

- **Learning objectives**- The ridge splitting technique involves a longitudinal osteotomy on the residual ridge with the use of hand instrument, microsaw or ultrasonic device. A controlled greenstick fracture is created and the alveolar ridge is split in 2 parts. Osteotomes, chisels, horizontal spreaders or screw spreaders can be used for ridge expansion and lateral repositioning of the buccal bone plate in order to create a wider implant bed. The ridge splitting technique allows simultaneous implant placement in narrow alveolar ridges. Low morbidity and short treatment time are the major advantages of this technique compared to Guided Bone Regeneration and bone grafting procedures.

- **Background information-** Rehabilitation of partial or total edentulism with dental implants has been established as a predictable treatment modality with high success rates. Treatment of edentulous sites with horizontal atrophy represents a clinical situation in which the positioning of endosseous implants might be complex or sometimes impossible without a staged regenerative approach. To overcome this problem the alveolar ridge split augmentation procedure was introduced nearly 20 years ago.
- **Important topics/concepts covered-** Ridge Split Technique for managing rehabilitation of severely resorbed and narrow ridges with dental implants.
- **Whether only lecture or includes any video demonstration- Both**

Any instructions for the participants	**Participants should have knowledge of basic implantology**