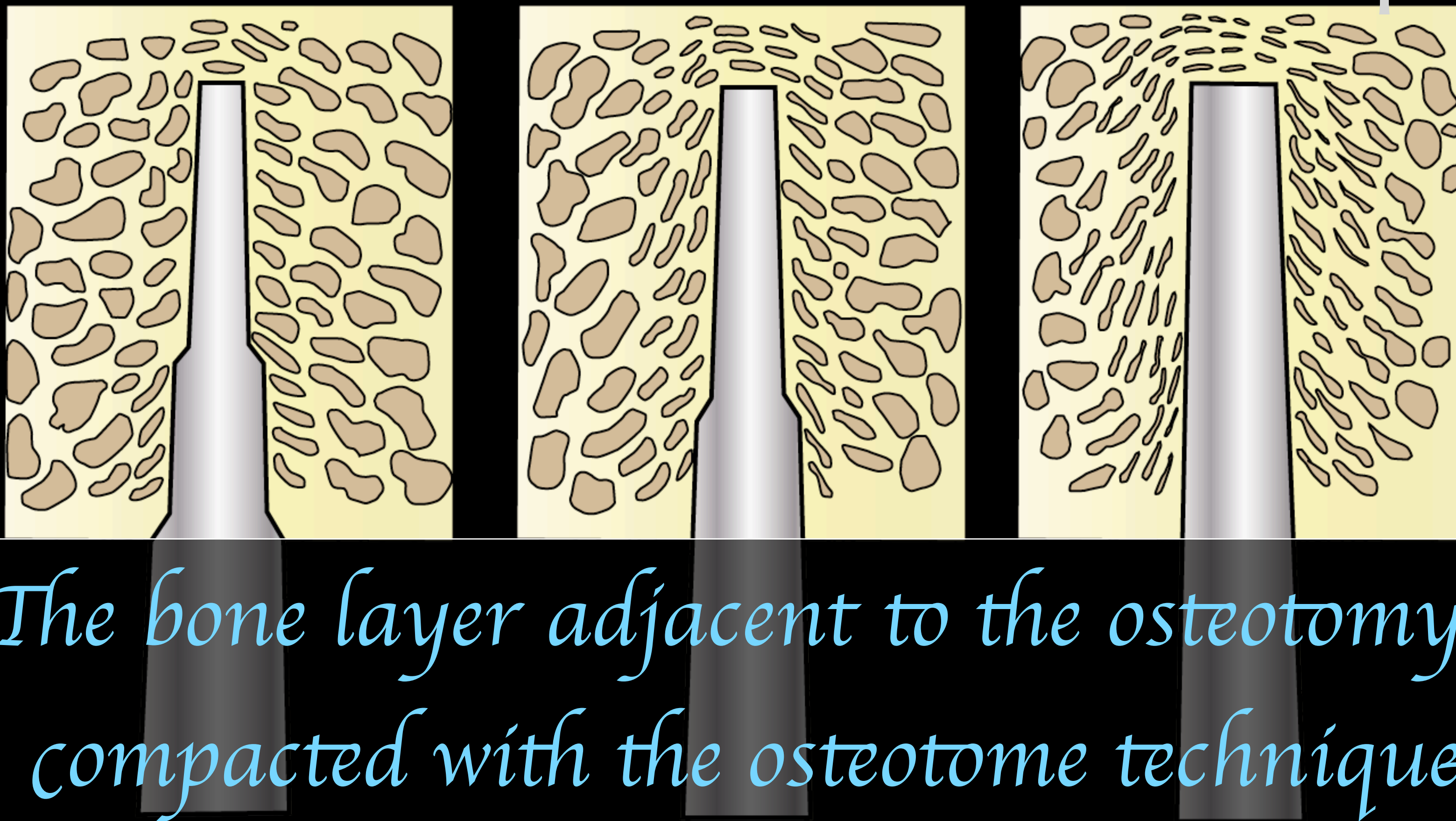


# The Osteotome Technique

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# The Osteotome Technique



*The bone layer adjacent to the osteotomy is compacted with the osteotome technique*

Summers RB.

A new concept in maxillary implant surgery: the osteotome technique. *Compendium*. 1994 Feb;15(2):152, 154-6, 158 passim; quiz 162. The osteotome technique: Part 2--The ridge expansion osteotomy (REO) procedure. *Compendium*. 1994 Apr;15(4):422, 424, 426, passim; quiz 436. The osteotome technique: Part 3--Less invasive methods of elevating the sinus floor. *Compendium*. 1994 Jun;15(6):698, 700, 702-4 passim; quiz 710. The osteotome technique: Part 4--Future site development. *Compend Contin Educ Dent*. 1995 Nov;16(11):1080, 1092 passim; quiz 1099.

# The Osteotome Technique

REO

*Ridge expansion osteotomy*

OSFE

*Osteotome sinus floor elevation*

BAOSFE

*Bone added Osteotome sinus floor elevation*

FSD

*Future site Development*

Summers RB.

A new concept in maxillary implant surgery: the osteotome technique. *Compendium*. 1994 Feb;15(2):152, 154-6, 158 passim; quiz 162. The osteotome technique: Part 2--The ridge expansion osteotomy (REO) procedure. *Compendium*. 1994 Apr;15(4):422, 424, 426, passim; quiz 436. The osteotome technique: Part 3--Less invasive methods of elevating the sinus floor. *Compendium*. 1994 Jun;15(6):698, 700, 702-4 passim; quiz 710. The osteotome technique: Part 4--Future site development. *Compend Contin Educ Dent*. 1995 Nov;16(11):1080, 1092 passim; quiz 1099.

# Bone height gain

	2-step lateral antrostomy	1-step lateral antrostomy	osteotome technique
average of bone gain height (mm)	12.7	10	3.5

79 implants MK II, Branemark/Bio Oss Follow 16.5M

Zitzmann NU, Schärer P.

Sinus elevation procedures in the resorbed posterior maxilla. Comparison of the crestal and lateral approaches.

Oral Surg Oral Med Oral Pathol Oral Radiol Endod. 1998 Jan;85(1):8-17.

# Implant Selection

- Sinus floor elevation
  - Single tooth gaps
    - implant  $\geq$  10 mm, 4.1, 4.8
  - Distal extension situation
    - shorter implant/ but splinted
    - $\geq$  8 mm

# Loading

- Osteotome technique 2~3M
- Window simultaneous 2~4M
- Window staged 5~6M

# Selection Criteria

Technique	Height	Width
Osteotome technique (single implant)	$\geq 7$	$\geq 6$
Osteotome technique (multiple implants)	$\geq 5$	$\geq 6$
Lateral window technique (simultaneous approach)	$\geq 5$	$\geq 6$
Lateral window technique (staged approach)	$< 5$	$\geq 3$