TIPPING MECHANICS TREATMENT

Malcolm E. Meistrell, DDS
Professor of Clinical Dentistry
Division of Orthodontics
School of Dental and Oral Surgery
Columbia University

Goals
STAGE I
Unravel
Open bite
Class I Position of molars and canines
Correct Rotations
Correct Crossbites
Level Occlusal Plane

STAGE III
Upright
Torque
Maintain all goals achieved in Stages I & II

STAGE II
Close Spaces
Overcorrect class I Relationships
Maintain all goals achieved in Stage I

STAGE IV
Establish ideal occlusion
Establish ideal esthetic relationships

STAGE pre- III
Maintain all goals achieved in Stages I & II
Correct occluso-gingival relationships of Premolars
Correct bucco-lingual relationships of Premolars

TIP EDGES
ADVANTAGES
- Ease of wire changes
- Control
- Rapid changes in the vertical dimensions
- Midline integrity protected/preserved
- Improved rotational control
WHY TIP EDGE?

- Tipping mechanics
- Self limiting bracket
- Horizontal loading
- No undesirable couples
- More precise finish
- Colors

TIP EDGE ADVANTAGES

- Automatic progression from tip to translation
- Vertical slot/auxillary use
- Predetermined, full power uprighting
- Fewer archwires
- Torque options
BRACKET DESIGN

- Initial tip limited
- Torque built into base
- Final tip built into bracket face
- Over torque only possible with round wires
PATIENT LR

SNA  77
SNB  74
ANB  3
SN GoGn  40
PP GoGn  31
L1 Apo  8.5
L1 GoGn  96
U1 SN  117
N: ANS/ANS:ME .72
Wits  +1