TIP-EDGE VS. STRAIGHT WIRE

**TIP-EDGE**
- Notch in bracket which allows crown of tooth to tip up to 25 degrees (depending on which tooth)
- To move the body of the tooth, we first move the crown of the tooth, then upright the root.

**STRAIGHT WIRE**
- Slot in bracket is straight, so the whole body of the tooth moves at once.
ADVANTAGES OF TIP-EDGE OVER STRAIGHT WIRE

- Easier and faster to move a tooth by tipping first, then uprighting the root, rather than moving the tooth bodily.
- Less force is needed to move teeth
  - About 2 ounces with tip-edge
  - About 8 ounces with straight wire
- Less problem with anchorage, so virtually eliminates the need for external anchorage such as head-gear (although can be used with head gear).
- Normally do not have to band or bracket second molar
- Easier to correct overbites
- Less wire bending
- Fewer wires
- FEWER APPOINTMENTS, Therefore more profitable.
DISADVANTAGES OF TIP-EDGE VS. STRAIGHT WIRE

• Once crown of tooth is where you want it, the tooth must be uprighted. (Not as difficult with the new Plus bracket.)

• Not as common as straight wire, so more difficult to find a tip-edge dentist to transfer to. (I’ve only transferred about 2 cases in the last 10 years.

• Since tip-edge has only been around since 1986, less articles and research about it.

• Only 2 companies make tip-edge bracket. Several companies make straight wire brackets.
WIRE PLACEMENT
(Tip-edge vs. Straight-wire)

• Because of straight slot in straight-wire bracket, harder to place wire.
• Triangular slots in tip-edge bracket allows easier bracket placement with less unwanted forces.
Tip-edge Plus Bracket
TOOTH MOVEMENT WITH TIP-EDGE