STEP DOWN/ CROWN DOWN PRESSURELESS TECHNIQUE

- In this technique Gates- Glidden drills and larger size files are first used in the coronal 2/3rds of the root canal and progressively smaller files are used until the desired working length is achieved.

- Main disadvantage of Step Back technique was extrusion of debris apically. This was prevented by this technique.

- This technique provides a coronal escapeway that reduces the piston in a cylinder effect responsible for the debris extrusion from the apex.
- The entire sequence is then repeated.

- Each time the instrument goes deeper than the previous time.

- This creates a tapered preparation.
.02 Taper .06 Taper

0.06 / 6%
0.04 / 4%
0.02 / 2%

CONSTANT TIP DIAMETER
Caused by

– forcing uncurved instrument in a curved canal.

– Rapid advancement in file size.

• Identified by Loss of tactile sensation on instrument - loose feeling instead of binding at the apex.