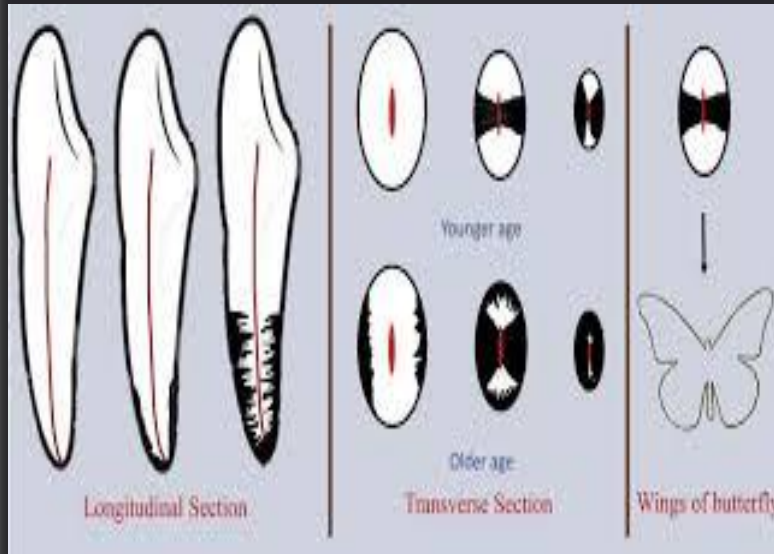
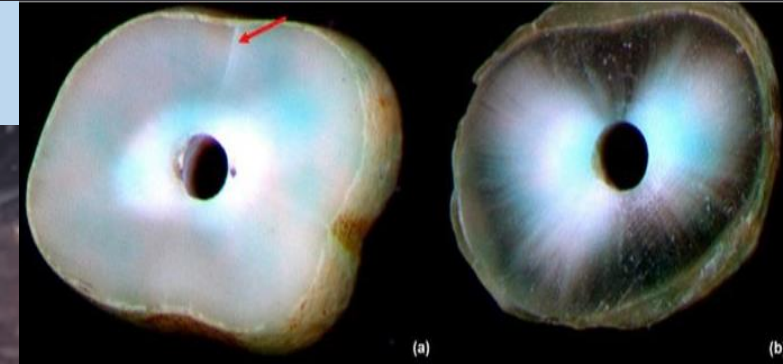
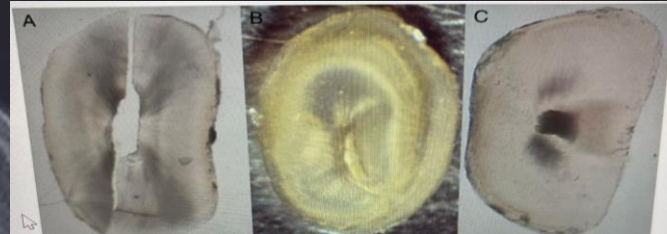


WINGS OF CHANGE: THE BUTTERFLY EFFECT

BEUST BACK IN 1931



Mesio-distal pattern resembles wings of the butterfly which later spread bucco-lingually direction and coronally with the advancing age.



TYPE 1-complete crack propagates from canal space until the outer root surface

TYPE 2- Incomplete crack propagates from canal space

TYPE 3-Incomplete crack propagates from outer root surface

TYPE 4-Incomplete crack confines to root dentin only.

CONCLUSION- In every cases we should use a new pairs of files to avoid extra force during bio mechanical preparation so such this incident can be avoided