

Internal Morphology of Root Canals in Human Teeth

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NNIN Facility utilized: Characterization Facility

- ◆ Observation of the internal morphology of root canals in human teeth in (A) their natural stage, (B) after high-pressure water irrigation, and (C) after conventional endodontic treatment with a NiTi file and NaOCl irrigation.

● MAJOR OBSERVATIONS

- ◆ The internal surface of root canal is covered with pulp tissue in the natural stage. Dentinal tubules were observed under the pulp tissue.
- ◆ Open dentinal tubules were observed after high-pressure water irrigation.
- ◆ Conventional endodontic treatment created a smear layer covering the internal surface of the root canal.

