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Mastering endodontic rotary instrumentation in scouting, shaping and cleaning curved root canals

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Root canal anatomy dictates the selection and the use of endodontic instruments. The shaping and cleaning of curved root canals can almost be entirely achieved with nickel titanium rotary instruments. The use of stainless steel hand files is limited to the working length determination and the apical patency. The 2% tapered nickel titanium rotary files are superior to the stainless steel hand files in scouting and making a glide path over the curved canals. The selected sequence of greater tapered nickel titanium rotary instruments to shape the root canal must take into consideration not only the canal path, but also the thickness of the root walls, in order to clean and shape the canal without damaging the root. The objective of this presentation is to describe in detail and accurately the secure and effective concepts, techniques and instruments that are able to optimize the results of the root canal preparation especially in narrow and curved canals. At this presentation, the audience will be able to: Select the most appropriate instruments used for the root canal path finding, shaping, and cleaning. Acknowledge techniques which optimize the endodontic treatment results over curved root canals. Identify the causes of errors committed during the root canal preparation. Prevent the occurrence of iatrogenic accidents that compromise the teeth prognosis.

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