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**Abstract Paper:**

**Title:** WaveOne NiTi single file reciprocating system for Root Canal Preparation

**Abstract:** The new Wave One NiTi file system is a single use, single file system designed to shape the root canal completely from start to finish. The WaveOne system is an exciting new concept in the preparation of the root canal. In most of the cases the technique only requires one hand file followed by one single WaveOne file to completely shape the canal. There are three files in the WaveOne single file reciprocating system, available in small, primary and large in sizes. The instruments are designed to work with a reverse cutting action. The specially designed NiTi files work in a similar but reversed 'balanced force' action using a pre-programmed motor to move the files in a back and forth 'reciprocal action'. The files are manufactured with M-Wire technology improving strength and resistance to cyclic fatigue by up to nearly four times compared to other brands of rotary NiTi files. WaveOne files only shape the canal, extremely quickly in many instances, but they do not clean the root canal properly. It is the duty of clinicians and manufacturers to emphasize the role and importance of irrigation as a major determinant of endodontic success. Once it is fully appreciated that shaping and cleaning the root canal system are irrevocably intertwined, then endodontics will be easier for all and available to all, and WaveOne will truly become the root canal preparation instrument of the future.