

## **ADVANCED ENDODONTIC TECHNOLOGY**

### **Digital Radiology**

Dental images are a necessary part of your endodontic treatment. We use state of the art digital x-ray images to help in making an accurate diagnosis. The digital image is displayed on the computer monitor in the treatment room so that your treatment plan and procedures are easily viewed and explained. Digital images use less radiation to obtain a diagnostic picture of your teeth. They also help the environment by eliminating the use of chemicals used in processing films.

### **Operating Microscope**

The operating microscope is a high powered optical device used in many medical fields to assist in procedures where the visualization of very small structures is necessary. In root canal therapy, the microscope allows us to examine the internal structure of your tooth to better visualize anatomical variations, additional canals and possible fractures, and to provide you with the best possible care.

### **Ultrasonic Instrumentation**

Ultrasonic instruments are an adjunct to the operating microscope. These very small instruments may be used to delicately remove tooth structure from your tooth by using very high speed vibrations.

### **Rotary Files**

Rotary files made of nickel titanium are used to clean and shape the root canals. These are used in addition to traditional hand files to optimally clean and shape the root canals prior to insertion of the final endodontic filling material.

### **Root Filling Materials**

Gutta percha is the traditional root filling material used at Endodontics Associates, Ltd. It is an inert rubbery material which may be inserted into the canals in a solid or warm inject able form. This material is inserted into the canals and molded to a custom fit for each canal treated.

### **Sterilization**

Our office meets the highest standards for sanitation, disinfection and sterilization of all instruments and office surfaces. We use disposable materials wherever possible, water line maintenance and autoclave sterilization for your protection and safety.