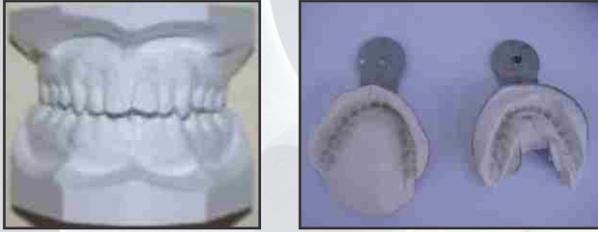


Not all patients are candidates for 3D IntraOral Scanning. Where they are:

IMPRESSIONS will be taken for study models.



Plaster models of the patient's mouth are cast and photographed in a laboratory. All diagnostic tools are used according to the digital scan.

(II) TREATMENT PROGRESS AND ORTHOGNATHIC SURGERY PLANNING RECORDS

Why is it necessary for progress radiographs (like a Panoramic View) or photos when I have braces?

- These are required to enter the finishing and detailing stage of your orthodontic treatment.
- They help us check the bone, roots of the teeth and the angulation of the teeth.
- We can also check whether there is an eruption of teeth.
- They form part of the Treatment Progress Report and your progress meetings with Doctor.
- Doctor can monitor you to see whether supplementary procedures such as Laser, TADs or Lateral Build-ups are needed.



- **Surgical Treatment Planning:** If you are a candidate for surgery, we send the radiographs, photos and models of your teeth to your surgeon. The surgeon may make a plastic splint or an occlusal wafer to serve as a guide for accurate surgery – this is different from the model that we had made.

(III) FINAL RECORDS

Why does the doctor need final x-rays and photos?

Using these records we are able to:

- study the presence or absence of wisdom teeth so that we can take appropriate measures
- identify any abnormalities
- check for root damage
- monitor the retention phase
- report to your medical aid.

*We change your smile,
you change the world!*



PretoriaSmile

Orthodontics

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Silver Lakes

Tel: (012) 809 1911 | **Cell:** 076 592 8894

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Orthodontic Records

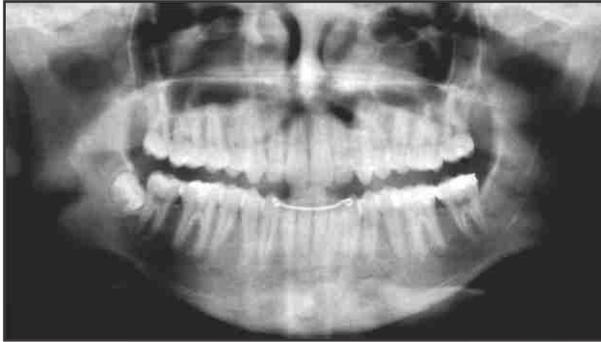
(INITIAL, PROGRESSION AND FINAL)

(I) INITIAL DIAGNOSTIC RECORDS

These are taken before we start treatment to assist in a diagnosis and prepare a treatment plan, a report of our findings and a payment plan. These will be given to you for further processing.

What is the benefit of diagnostic records before starting treatment?

Panoramic View



This gives us a view of the upper and lower jaws simultaneously. We can analyse teeth development (in children) and see the supporting bone and sinuses. It also gives us a non-detailed look at the jaw joint. We are able to see any abnormalities of the jaw, the number of teeth, the angles at which they appear and the general health of the bone.

Cephalometric View



This is a radiograph of the head and profile. The profile skull view allows us to measure approximately 50 different areas that we use to construct a growth analysis.

The analysis helps to indicate various alternative treatments. In adult patients it allows us to identify any skeletal abnormalities that influence treatment options.

OTHER X-RAYS

Periapical view

This allows us to capture the finer details of the teeth and gums. The view is important, especially in candidates 15 years and older, to evaluate the supporting bone and the periodontal ligaments, and to identify possible caries between the teeth.



Hand view



The hand-wrist radiograph can help pinpoint the skeletal age. Wrist bones develop to adult size in a clear pattern. With this data we predict the next growth spurt and assess how much growth has yet to occur. This x-ray is usually performed between the ages of 10 – 15 years.

3D View

The three-dimensional images allow the Doctor to examine the mouth in far greater detail so that diagnosis and treatment are more accurate.



The software can view the teeth from any and every angle, and even zoom in on individual teeth to refine the diagnosis and treatment.

Photographs

Facial photographs allow us to study the face proportions, profile, smile lines, lip competence, and certain facial and muscle habits. It also helps to evaluate the malposition of the teeth from various angles.



3D INTRA ORAL SCAN FOR DIGITAL STUDY MODEL

Using the advanced 3-D IntraOral Scanner, we can digitally capture the tooth structure, bite, palatal shape and soft tissue, which we use to analyse the mouth as a whole. Our software creates and calculates everything digitally, so that we can provide you with the most effective and accurate treatment.

