

Newsletter 16

February 2011

The 3D CBCT File

Is it possible for Referrers to Utilize this for Planning and Measurements?

At DMDI we image our 3D CT using a **Morita Accuitomo 170**. It has unique software called the **ONE VOLUME VIEWER** which allows the referrer to do more than just open and look at the images produced.

So what can be done using the Accuitomo 170 software programme?

The 3D CBCT File & ONE VOL VIEWER

Anyone who has referred a CBCT patient to DMDI would know that we send our CT files along with still images. This CT file opens to provide either slices or volumes (ONE VOL VIEWER) of the area scanned.

Have you ever wondered just how much information can be gained from using this VOLUME?

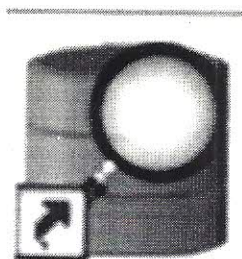


Fig. 1. Icon to open ONE VOLUME VIEWER

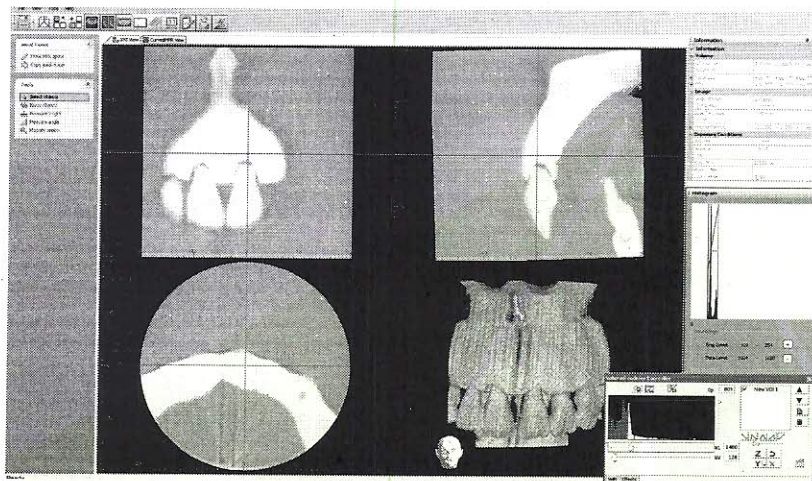


Fig. 2. The initial view of the ONE VOLUME VIEWER

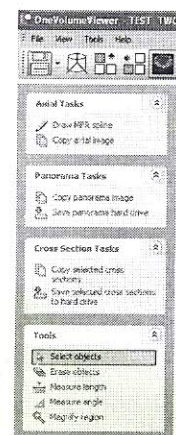
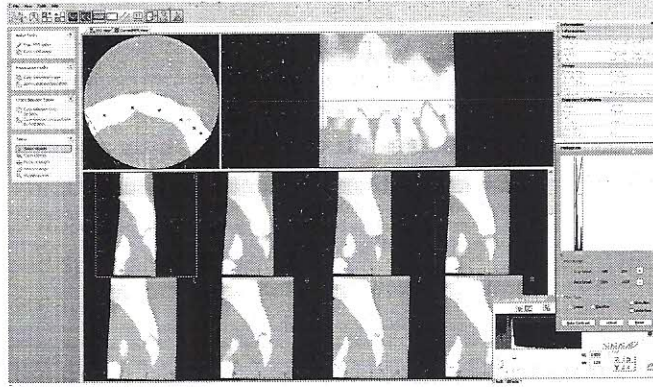


Fig. 3. Task bar inside the viewer



The following are some of what can be achieved using the **ONE VOLUME VIEWER**

1. Create a set of cross sections and save them to a file;
2. Create panoramic, sagittal and coronal images and save to a file;
3. Measure angles and distance on cross sections and save to a file;
4. Use the saved cross-sections with implant templates;
5. Use images in publishing files, word documents, and PowerPoint files;
6. View a particular region of interest in all three orthogonal planes at once;
7. Copy the 3D CBCT file across onto any PC in your practice so that images can be viewed anywhere;
8. Using "Office Picture Manager" a set ratio can be gained using the Cross sections so that implant templates can be used on the screen (equivalent to utilizing paper printing);
9. The images can be screen captured via "print screen" and a bitmap or jpeg can be saved and edited;
10. All this information can be packaged as required by the referrer and forwarded to another clinician involved in the care of a patient. This assists with efficient patient management, development of treatment plans, patient care and radiation dose (no lost images or information)

**DMDI will be hosting a professional development workshop on
 "How to use the One Volume Viewer", on Tuesday 22 March 2011
 (from 6:30 pm)**

The venue is Unit 9 1175 Toorak Road Camberwell 3124.

**Please contact Pamela or Susan on 9889 1771 to register your
 interest in attending.**

**Certificates of Attendance, for the purposes of professional development, will be
 available at the closure of the session.**

**"Diagnostic imaging— Hitchhiker's guide to the 3rd dimension" facilitated by Dr Alex Yusupov, to be
 held on 06 April 2011, from 6.30pm.**

Dr Alex Yusupov is a registered specialist Orthodontist in private practice. His special interests include adult and multi-disciplinary treatments.

Keep this date free and call 9889 1771 to secure your place.

Dr Alex Yusupov welcomes your referrals and enquiries to 9525 4666
 Practice address—Beller House, 285 Carlisle Street, Balaclava 3183