

JULY 2011
Newsletter 21

New Developments at DMDI

REMINDER—PD session with Dr David Figdor on 03 August 2011. Limited places available. Call Pamela on 9889 1771.

A great many changes have occurred at DMDI over the past 12 months. The arrival of Susan Hutchinson (specialist Dental Radiographer) started a journey that has seen us develop customised examinations for many of our referrers. We have discovered a potential for our (Morita A170) CBCT technology that has seen us providing new ideas and imaging techniques for specialist clinicians and have liaised with many within the industry to continue to progress alongside and within it.

One of the areas of interest for us has been paranasal sinuses. This anatomy is often involved in dental anomalies of the maxilla. Quite often an area to be scanned in quadrants one and two will depict a certain degree of soft tissue reaction within the corresponding maxillary sinus. Various researchers have posed the question of chicken and the egg with this type of situation. Is the dental issue the cause of the sinus reaction or vice versa?

At DMDI we can provide highlighted imaging of these regions and if comment is required by the radiologist with regard to sinuses simply indicating on the clinical notes section will suffice.

Below is an example of the relationship between the maxillary sinuses and the dentition of quadrant two.

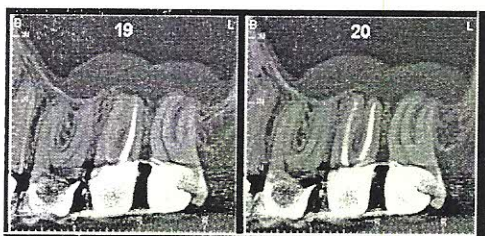


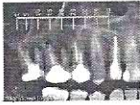
Fig 1. sagittal type sections through the dentition.



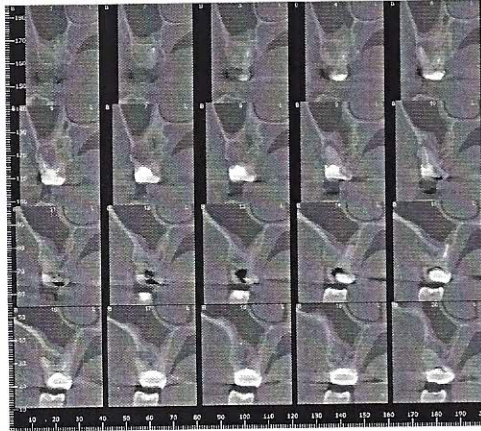
Fig 2. axial sections through quadrant two



PT Name: [REDACTED]
DOB: [REDACTED]
DOS: [REDACTED]



CS Images 1:1



We have been developing various systems for imaging and at the moment have a new report writer that creates one to one pdf's that are saved onto the disc sent back to the referrer. The clinician can then print out the files (in a one to one ratio) when they require.

This can be invaluable for implant workups, and general ease of use for any referrer who prefers a printable image.

These pdf's can be printed as many times as the referrer desires and will be one to one for use with implant template overlays or for posting during surgical procedures.

Any further questions regarding these images please contact Susan on 9889 1771.

With regard to 2D digital imaging, we have our OPG's and TMJ's that are now able to be produced with slightly different algorithms, that is, soft and sharp. That's why you may have received more than one image.

All imaging, whether it be 2D or 3D can be burnt onto a Voyager DICOM disc for viewing on either a PC or a MAC. The OPG images burnt using the Voyager PACS system are DICOM compatible and thus are able to be measured.

All imaging, including static images created from CBCT, can be emailed in jpeg format.

DMDI can

- produce measured images for implants using the Dolphin Imaging software programme (these will not print one to one);
- create unmeasured one to one reports using a PDF – these are too large to be emailed and are burnt onto the CD for printing at the referrer's office;
- offer Z-AXIS DICOM discs for use with Software programmes, for example, Simplant, Nobel BioCare etc..

DMDI also offers our own 3D imaging system called the ONE VOLUME VIEWER (OVV) that the referrer can use on their pc to provide imaging and measurements for themselves. This programme offers images in all three orthogonal planes as well as the standard around the arch cross-sections.

We can provide combinations of images as requested, and can distribute information to whomever the referrer is working with, for best practice and communication between the treatment team, and patient care improvements.

Upcoming Professional Development session entitled "Tooth vs Implant: Current evidence and case discussion", to be facilitated by Dr William Zhang, on Wednesday 07 September 2011

Dr. William Zhang is a Specialist Periodontist in private practice, at Tooronga Periodontics, in Melbourne. He graduated with Bachelor of Dental Science from the University of Melbourne in 2004 and Doctor of Clinical Dentistry (perio) at the University of Sydney in 2010. He became a Fellow of the Royal Australasian College of Dental Surgeons in the special field of periodontics in 2011. He is a member of the ITI, Australian Society of Periodontology and Australia and New Zealand Academy of Periodontics.

Tooronga Periodontics provides all aspects of periodontal and implant therapy including nonsurgical and surgical treatment of periodontal disease, crown lengthening surgery, correction of mucogingival defects, frenectomy and placement and maintenance of implants.

To book ring Pamela on 98891771 or e: reception@dmdi.com.au