

**JAMES C. PETTIGREW, JR.**, DMD, Dip. ABOMR,  
Associate Professor & Director, Oral & Maxillofacial Radiology

Dr. Pettigrew has been director of Oral and Maxillofacial Radiology since 1989, and was director of 3D Image Reconstruction for the department of radiology between 1990-2000.

He attended Emory University, Medical University of South Carolina and The University of Pennsylvania. He attended a three year residency in Radiology at the Hospital of the University of Pennsylvania, VA Hospital of Philadelphia, Children's Hospital, Presbyterian, and Medical College of Pennsylvania.

He is responsible for undergraduate teaching of dental students in the radiological sciences for the College of Dentistry and is the radiation safety officer for the college. Recent research interests include three-dimensional post processing, dental digital radiography, and PACs.

**MADHU K. NAIR**, DMD, MS, Lic.Odont. (Sweden), PhD, Dip. ABOMR, Associate Professor, Oral & Maxillofacial Radiology

Dr. Nair comes to UF from the University of Pittsburgh where he was tenured Associate Professor and Director of OMF Radiology. He was trained at the University of North Carolina and Goteborg University, Sweden.

His research interests include: 3D and digital imaging, image processing/analyses, radiology informatics, teleradiology, Tuned Aperture Computed Tomography etc. He continues to lecture and publish extensively, in addition to serving on national level committees.

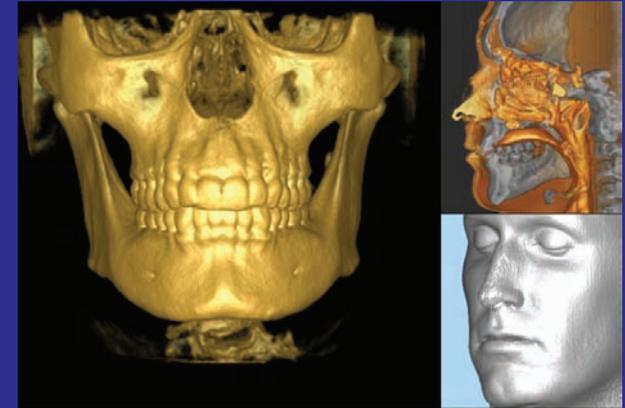
## Oral and Maxillofacial Radiology Service

**UF** | College of Dentistry  
UNIVERSITY of FLORIDA

Oral and Maxillofacial Radiology Service

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*Cone Beam CT*

## Oral and Maxillofacial Radiology Service

Oral and Maxillofacial Radiology Service offers a variety of radiographic and consultation services to practitioners. Cone beam CT (CBCT) imaging technology is the newest addition to this array.

**Dictated reports by ABOMR board certified oral and maxillofacial radiologists including findings, diagnostic impressions, and pertinent comments are returned to the referring practitioner within one day for all procedures performed.**

Additionally, CT scans done elsewhere can be interpreted for incidental pathology and treatment planning purposes within approximately 48 hours of receipt of images.



CBCT is useful within the scope of dentistry for implant treatment planning, orthodontics, oral surgery, endodontics, periodontics, and pediatric dentistry. Other applications include imaging of developmental anomalies, clefts, air spaces in obstructive sleep apnea patients, maxillofacial infections, facial pain, temporomandibular joint evaluations, odontogenic disease, inner ear, sinuses and salivary glands. 3D reconstructions can also be produced.

In volumetric tomography or CBCT, the entire volume of interest is exposed by using a conical shaped beam that exposes the desired area and then the volume is interactively viewed slice by slice. A major benefit for patients is the reduction of radiation dose, which is a fraction of the dose of a medical grade CT.



**Procedures and/or consultation offered include:**

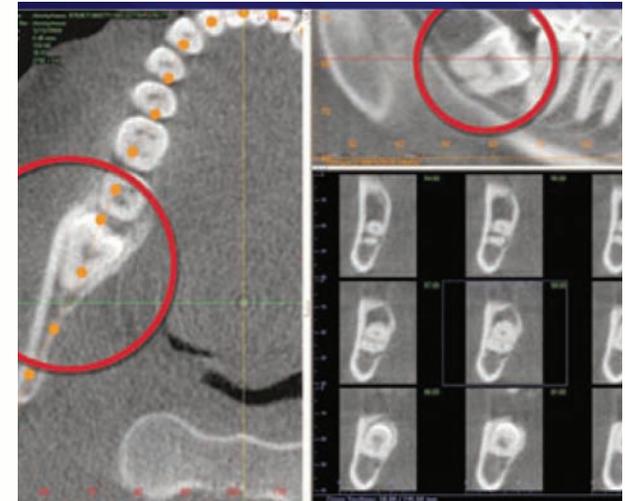
- Routine digital radiography of teeth and facial bones.
- Temporomandibular joint imaging, including arthrography, CT and MRI.
- Paranasal sinus evaluation.
- Static and dynamic sialography.
- Presurgical dental implant evaluations using CT.
- Advice for digital imaging for private dental offices.
- **Dictated reports for all studies**



If the desired area needs to be visualized with the use of a contrast agent, the patient is appointed for a procedure in Shands Hospital. However, for the majority of our treatment needs, CBCT provides excellent images with high resolution. Dedicated protocols are used for specific diagnostic tasks.

Incidental pathology noted in CBCT scans acquired for other diagnostic purposes is further studied using other appropriate imaging modalities, in consultation with the referring doctors, ensuring prompt treatment for the patient.

Arrangements and reporting for maxillofacial CT, magnetic resonance imaging and medical computed tomography, including 3 D reconstructions of odontogenic or non-odontogenic pathology, traumatic and developmental craniofacial abnormalities are also available.



Specific questions that need to be answered should be included in the prescription. An image viewer will be provided with the images in electronic format on CD to the referring practitioner.

The availability of CT in the UF College of Dentistry has greatly aided patient care.

**Interpretation of exams by board certified radiologists can potentially result in reducing missed incidental pathology.**

Call us for more information: (352)273-6775