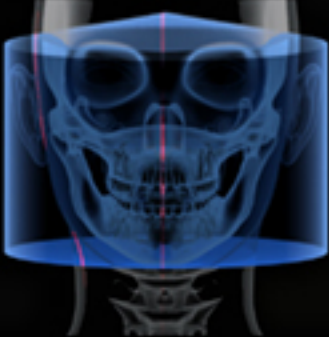

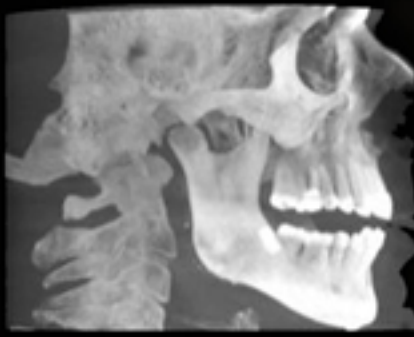
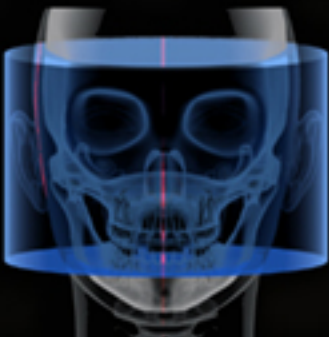




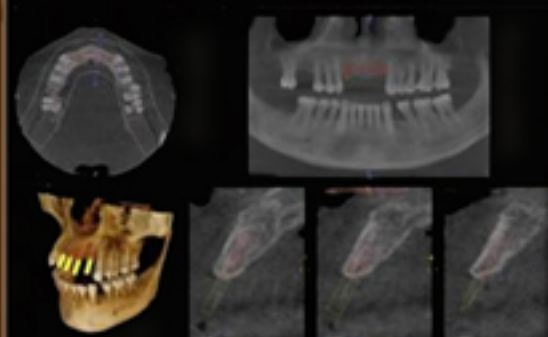
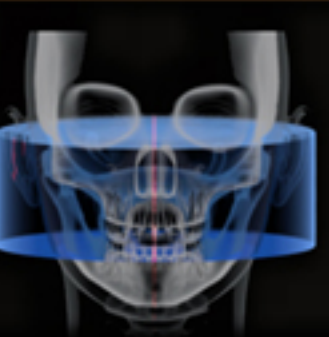

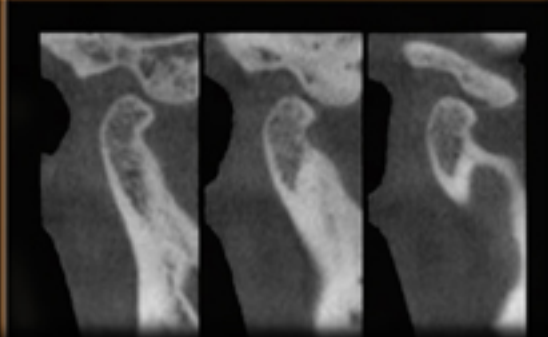
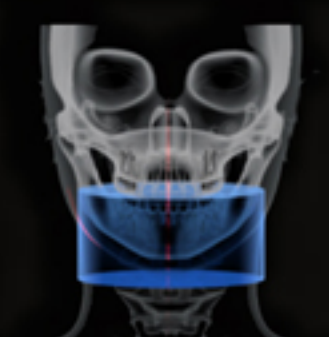
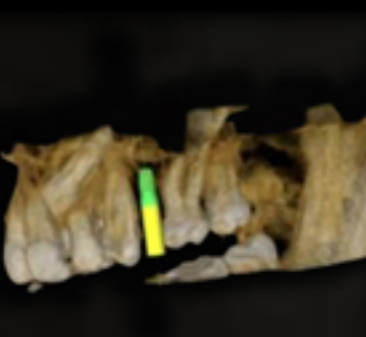
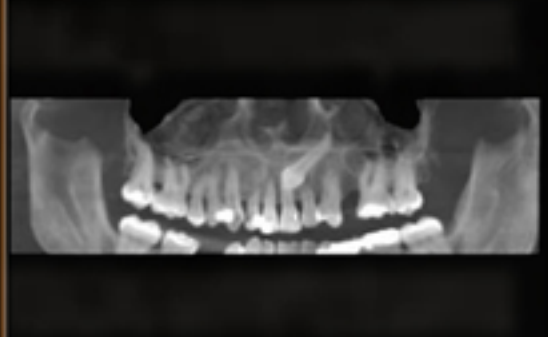
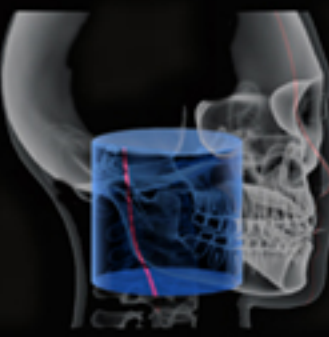

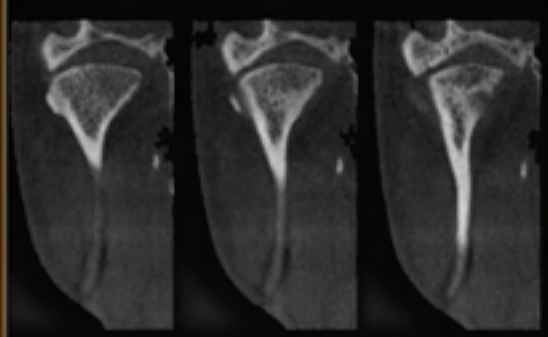



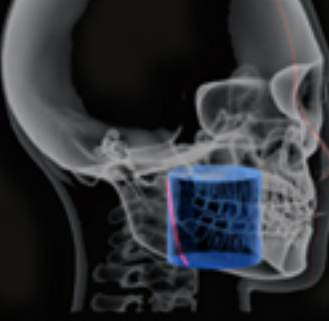

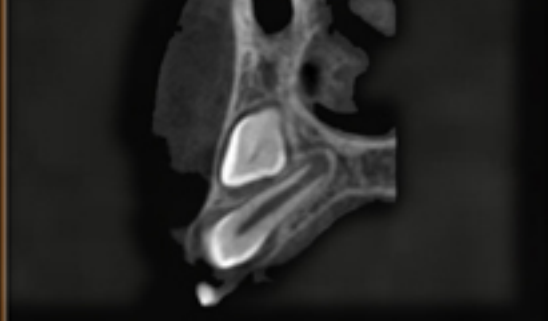


OR@MAX

oral and maxillofacial imaging



Dr Shaon Mukherjee

REGION OF INTEREST		SAMPLE IMAGES		RECOMMENDED APPLICATIONS
17 x 13.5				<ul style="list-style-type: none"> • Orthodontics • Complex treatment planning • Orthognathic surgery • Facial reconstruction • Traumas • Sinus and airway analyses
17 x 11				<ul style="list-style-type: none"> • Orthodontics • Complex treatment planning • Orthognathic surgery • Facial reconstruction • Traumas • Sinus and airway analyses
10 x 10				<ul style="list-style-type: none"> • Implantology • Complex impaction • Other cases involving both dental arches • Single TMJ assessments
7 x 6 – TMJx2				<ul style="list-style-type: none"> • Double TMJ assessments
REGION OF INTEREST		SAMPLE IMAGES		RECOMMENDED APPLICATIONS
10 x 5				<ul style="list-style-type: none"> • Implantology • Impactions • Other cases involving one dental arch
8 x 8 - TMJx1				<ul style="list-style-type: none"> • Single TMJ assessments
8 x 8				<ul style="list-style-type: none"> • Implantology • Complex impactions • Other cases involving both dental arches
5 x 5				<ul style="list-style-type: none"> • Endodontics • Single implants • Impactions • Any applications requiring a high level of detail (90 µm)

Dental implants

- Location of anatomic structures: mandibular canal, submandibular fossa, incisive canal, maxillary sinus
- Size and shape of ridge, quantity and quality of bone
- Number, orientation of implants
- Need for bone graft, sinus lift
- Use of implant planning software

Oral and maxillofacial surgery

- Relationship of third molar roots to mandibular canal
- Localization of impacted teeth, foreign objects
- Evaluation of facial fractures and asymmetry
- Patients with cleft palate
- Orthognathic surgery and facial reconstruction

Oral and maxillofacial pathology

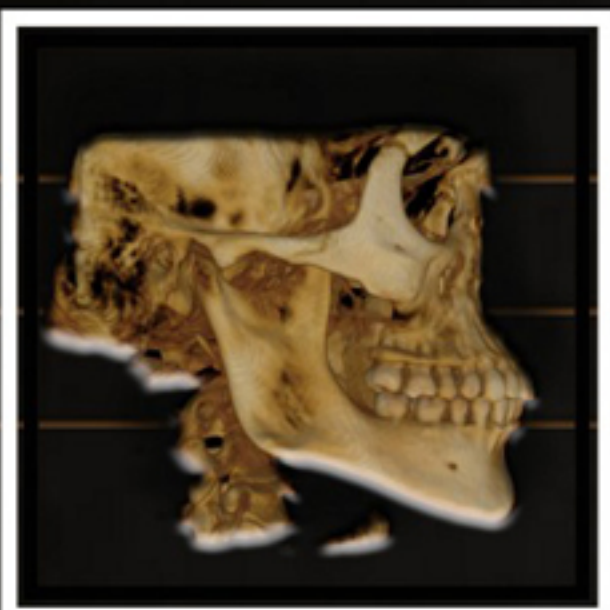
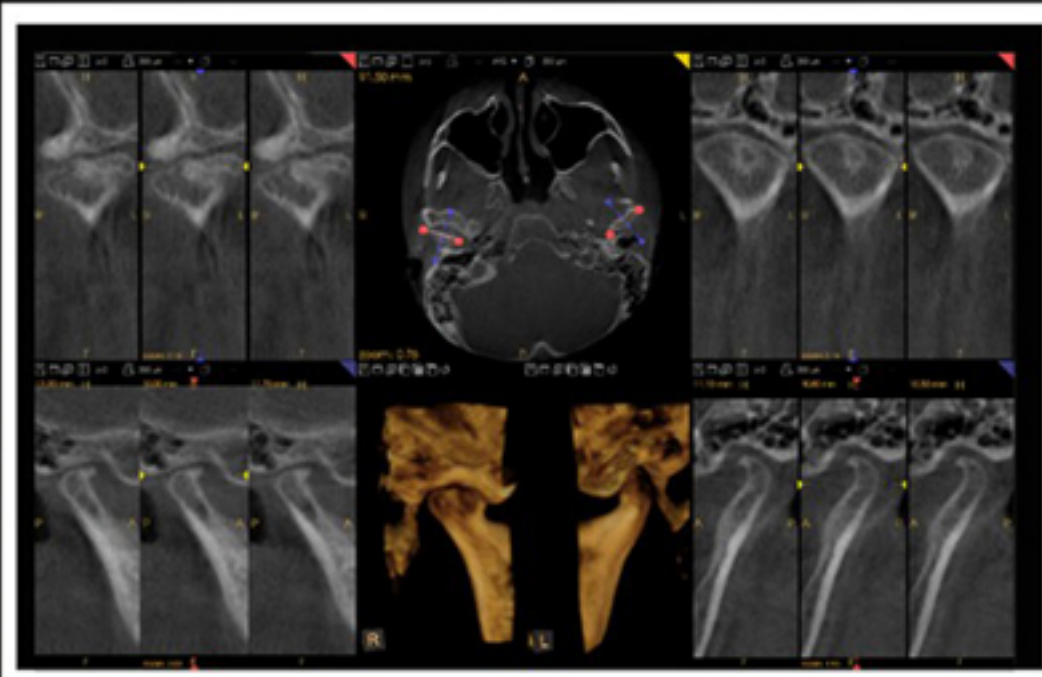
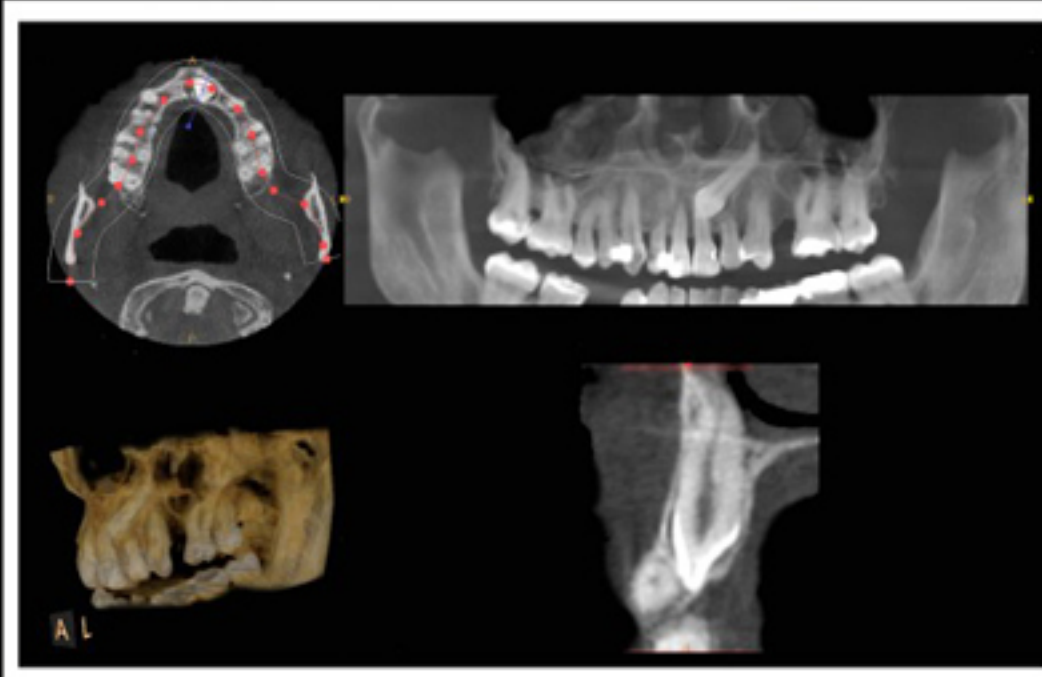
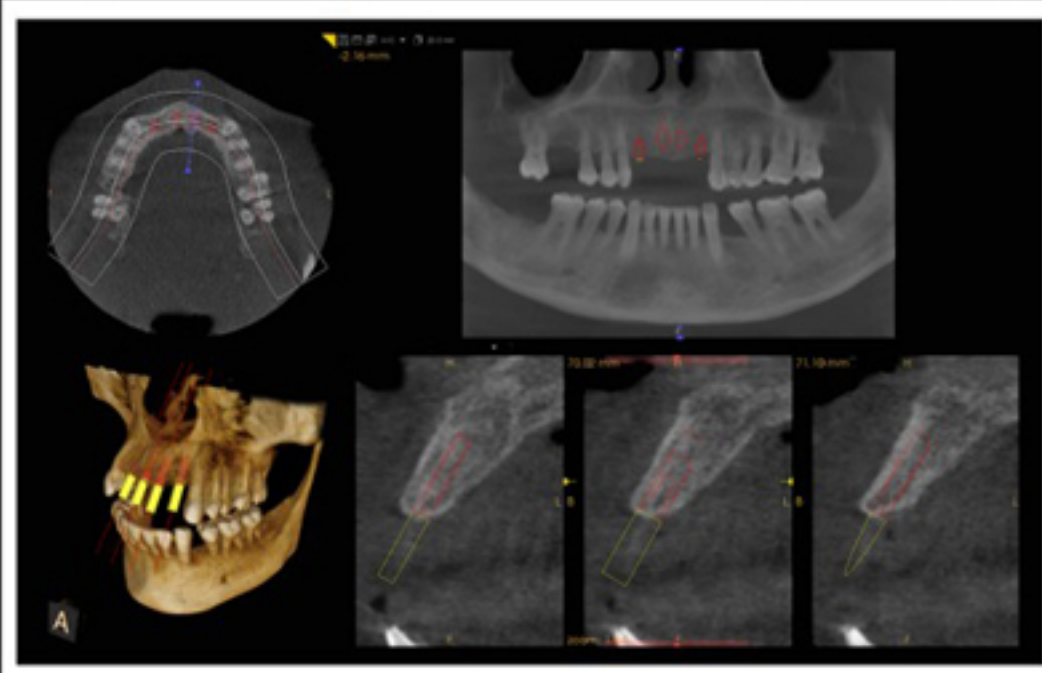
- Localization and characterization of lesions in the jaws
- Effect of lesion on jaw in 3D: expansion, cortical erosion, bilateral asymmetry
- Relationship of lesion to teeth and other structures

Orthodontics

- Treatment planning for complex cases
- Complex impactions
- Root angulation, root resorption

Temporomandibular joint

- Osseous structures of TMJ
- Relationship of condyle and fossa in 3D

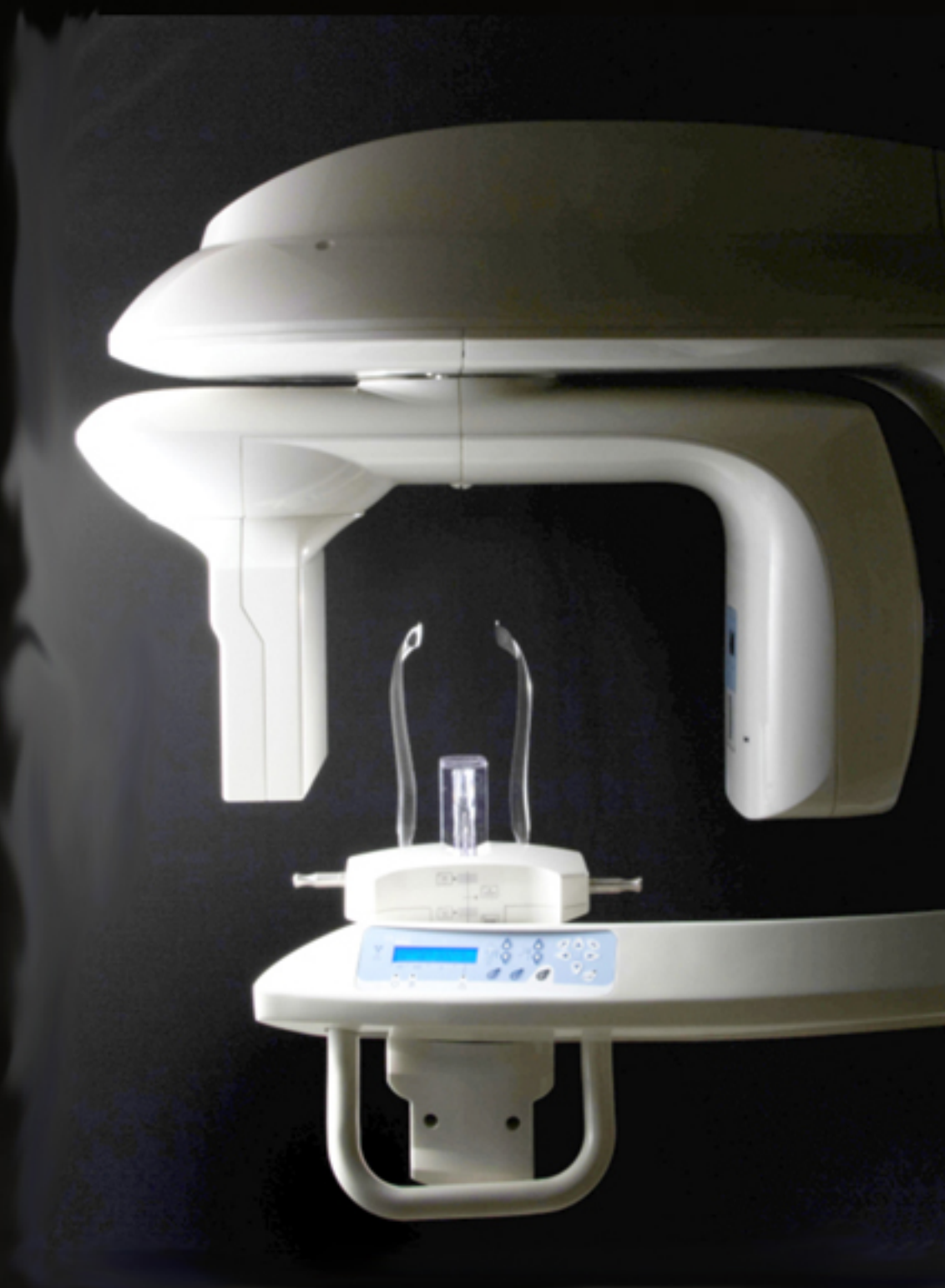


CBCT Advantages

- 3D rendering with impeccable clarity and stunning details of anatomy and pathosis
- 75-90% lower radiation dose than conventional CT scan
- High image resolution and sharpness (voxel size – 90-500µm)
- Intelligent and intuitive software for viewing and reconstruction
- Enhancement of communication with patients and referring doctors

Services

- Panoramic Imaging (OPG)
- Lateral and PA - Cephalometry with tracing
- CBCT
 - Single quadrant
 - Single jaw
 - Both jaws
 - TMJ imaging and assessment
 - Sinus and airway imaging and assessment
 - ENT imaging



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