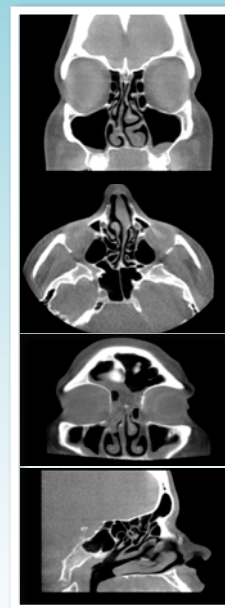


# XORAN®

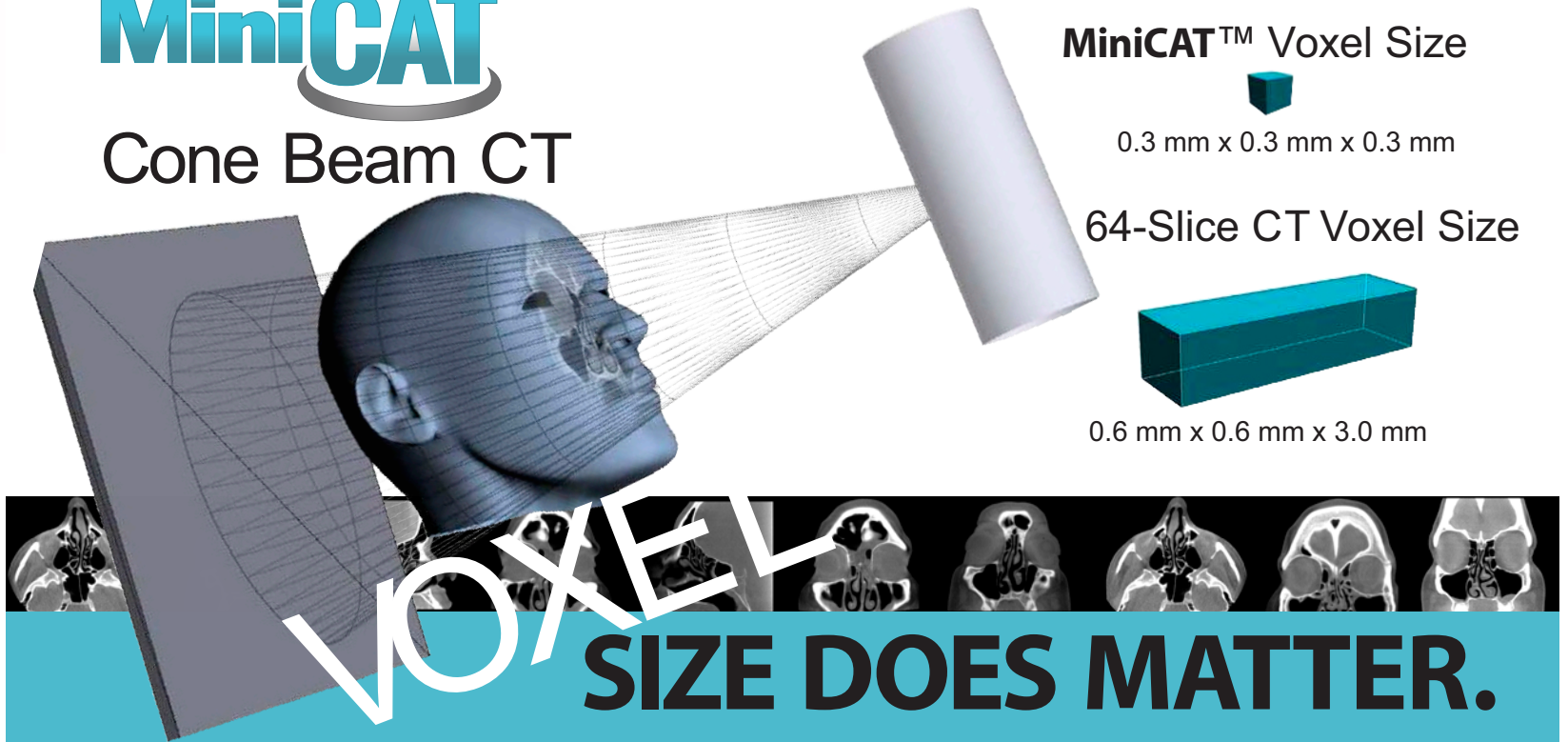


## MiniCAT™



# MiniCAT™

## Cone Beam CT

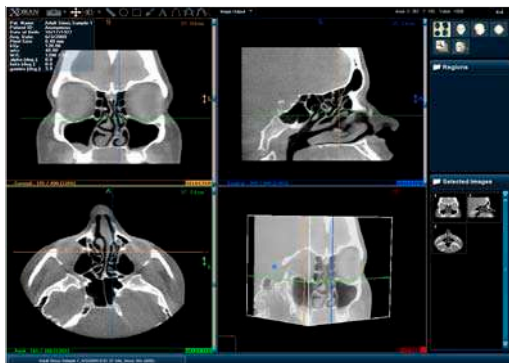


### Resolution

MiniCAT™ performs a complete acquisition and reconstruction in less than 25 seconds with slices as small as 0.3 mm for temporal bone. These reconstructed images yield superb image quality allowing physicians to examine the most intricate anatomy in finite detail.

### Fully Featured

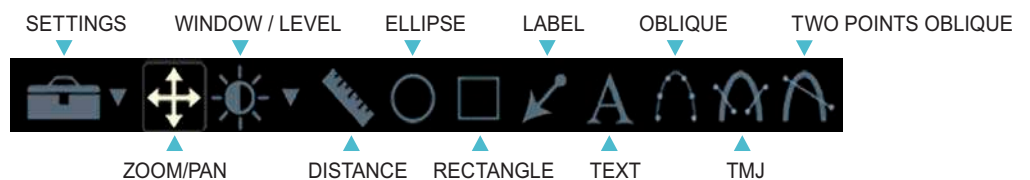
MiniCAT™ software features high-definition spatial resolution images with slices as thin as 0.3 mm for temporal bones and 0.6 mm for sinuses. Users have the ability to examine images in a variety of different views and utilize a powerful suite of tools to manipulate, annotate, and export images in a variety of formats.



MPR CORONAL SAGITTAL AXIAL



STUDY DATA 3D



Output Protocol	Description
Print Selected Images	Prints the images in the Selected Images window in a customizable layout. The default image layout is 3 rows by 2 columns.
Export to DICOM	Burns specified images (i.e. Axial, Coronal and/or Sagittal) onto a CD USB flash drive, or shared folder for use with compatible DICOM viewer.
Export to HTML	Exports a Xoran study in HTML format, viewable on any computer with a browser such as Internet Explorer.
Export to JPEG	Exports a Xoran study in JPEG picture format.
Modify Image Output	Image output protocols can be modified and customized to meet your needs
DICOM Push	Allows a study to be uploaded to a DICOM server such as a PACS system. Call Xoran Customer Service to help set this up.

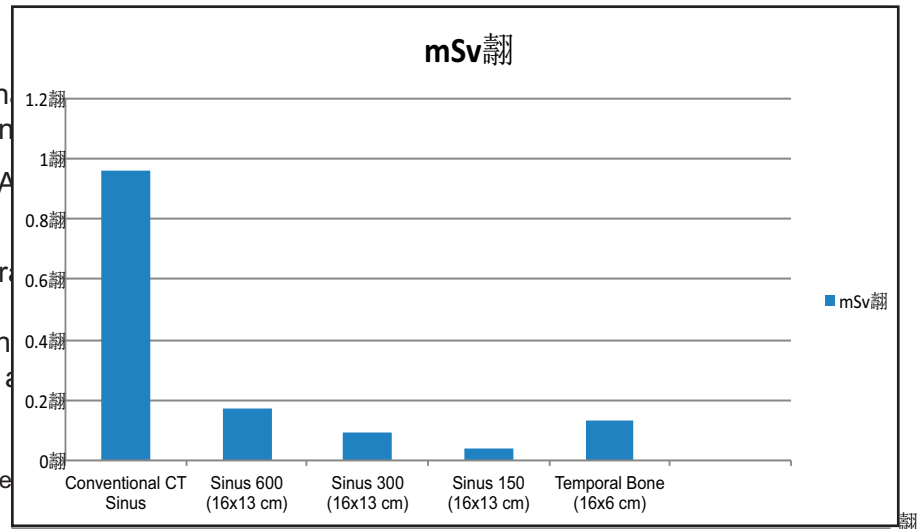
Offer your patients peace-of-mind with lower radiation dose.

A **MiniCAT™** sinus scan has lower radiation dose than sinus scans by a full-body conventional CT scanner.

Xoran designed **MiniCAT™** according to the ALARA principle (As Low As Reasonably Achievable).

Xoran's innovative technology optimizes x-ray efficiency, minimizing the radiation dose to patient while providing unprecedented, high resolution images of the sinuses, skull base and temporal bones.

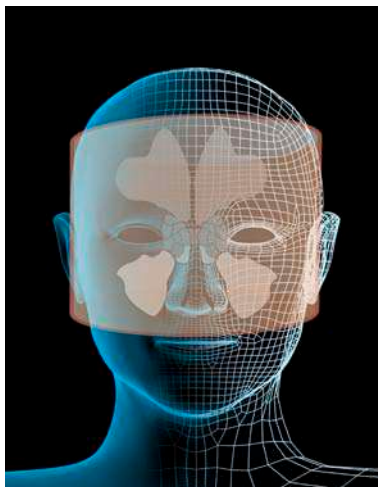
See [www.ncbi.nlm.nih.gov/pubmed/12687286](http://www.ncbi.nlm.nih.gov/pubmed/12687286) for more information.



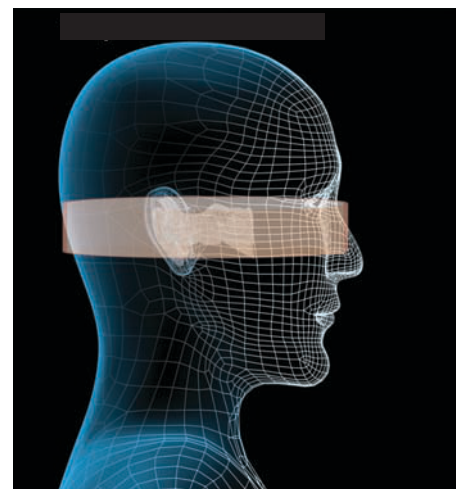
“You cannot have a conversation about image quality without having a conversation about dose.”

**Predrag Sukovic, Ph.D.**  
Co-Founder  
Xoran Technologies, Inc.

Sinus  
16 x 13 cm



Temporal Bone  
16 x 6.5 cm



### Field of View

When a view of the paranasal sinuses is necessary, but a reduction of dose is also important, the MiniCAT allows both without compromise. The MiniCAT is capable of reducing dose for every sinus protocol while maintaining the same field of view necessary for paranasal sinus evaluation and compatibility with IGS. This is especially important for pediatric patients or adults that require follow-up CT scans.



Access to images has never been easier.

## XoranConnect®

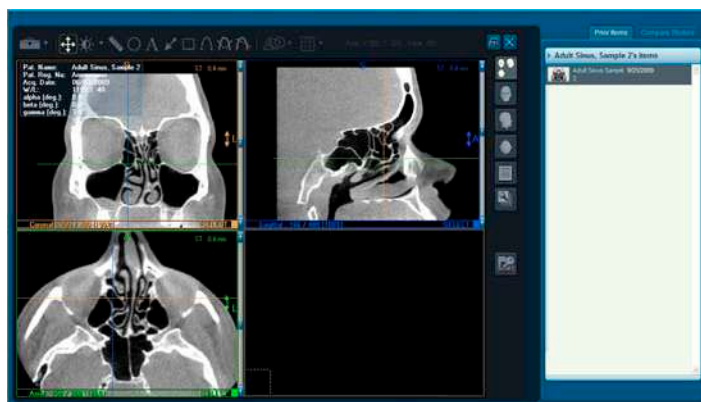
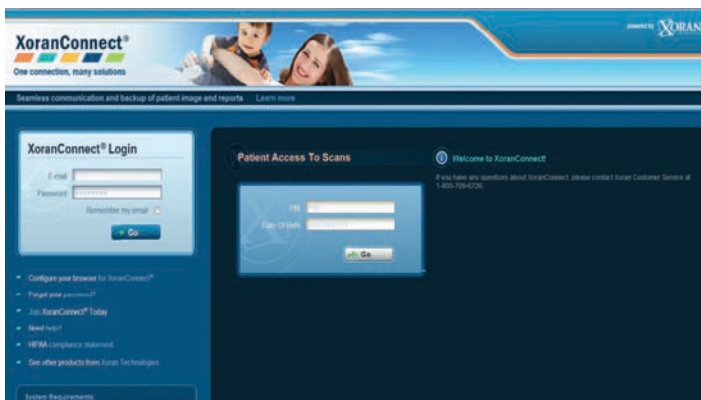
One connection, many solutions

### What is XoranConnect®?

XoranConnect® is a HIPAA compliant web-based service designed to compliment MiniCAT™. The service provides online viewing, off-site archival and backup of images, and easy access for both physician and patient.

### XoranConnect® aligns with IAC accreditation requirements

XoranConnect® meets the IAC CT Accreditation requirements for back-up storage of your CT scans and internal QA review.

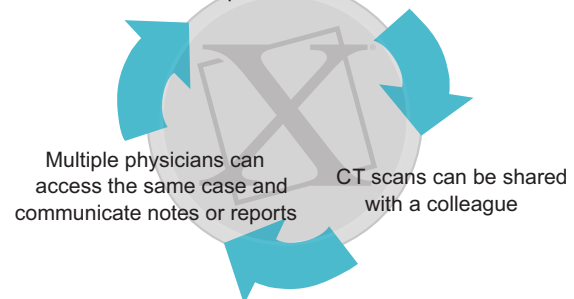


### Online Viewing

XoranConnect® features a fully functional online viewer. You can easily access images remotely via a compatible PC, or obtain a second opinion from a colleague, regardless of their geographic location. XoranConnect® allows for joint interpretation, peer review, internal quality assurance review and off-site radiologist evaluation.

### File Sharing

You can view CT scans from any compatible PC, review reports or add notes



### Off-site Storage and Backup

XoranConnect® transfers patient studies via an encrypted link to ensure the confidentiality of patient information. Patient history, report notes and key images are retained. Your new scans will be sent automatically and daily to Xoran's secure, off-site data storage facility. With off-site backup, your scans are protected from catastrophic loss, such as electrical surges, power outages, computer failures, data corruption and viruses.

### HIPAA Compliant

XoranConnect® safely archives your data to prevent lost or damaged patient information. In the event that patient studies stored on your computer are lost or damaged, the database can be restored quickly and easily.

Further streamline your  
office workflow



## MiniCAT Viewing Stations

### Advantages include:

- Immediate access to scans anywhere in the office
- Local area network connectivity
- Image Output, including DICOM push from any computer on your network
- Improved MiniCAT interface

### Viewing Stations

MiniCATViewing Stations allow users to access their MiniCAT software and patient CT database from any compatible computer on their local area network. Physicians and staff have the ability to export studies as well as modify window level, use image selection tool, make annotations and perform other available image manipulation operations. Scans are available immediately after the reconstruction, which further streamlines the office workflow.

# Imaging properties and technical specifications

## Clinical Acquisition Protocols

	Tube Voltage	Tube Current	Pulse Length	Number of Frames	Exposure	Scan Time	Default Reconstruction Protocol
<b>Sinus 20s (600)</b>	120 kVp	7 mA	11.5 ms	600	48.30 mAs	20 s	Smooth (400x400 0.4, 0.4, f1)
<b>Sinus 10s (300)</b>	120 kVp	7 mA	11.5 ms	300	24.15 mAs	10 s	Smooth (400x400 0.4, 0.4, f1)
<b>Sinus 10s (150)</b>	120 kVp	7 mA	11.5 ms	150	12.08 mAs	10 s	Smooth (400x400 0.4, 0.4, f1)
<b>T Bone 20s (600)</b>	125 kVp	7 mA	14 ms	600	58.80 mAs	20 s	Sharp (536x536 0.3, 0.3, f0)

## General Information

**System Dimensions** 40 in. L x 36 in. W x 67 in. H (102 cm x 91 cm x 170 cm)

**Recommended Room Size** 8 ft. x 10 ft. (2.44 m x 3.05 m)

**Weight** 450 lbs. (204 kg)

**Internet Connectivity** High speed connection is required for service / maintenance

## MK-1 Carbon Fiber Head Holder

Premium-grade carbon fiber head holder designed to mitigate patient motion.

- Rigid, radiolucent design
- Compatible with forehead straps for IGS registration
- Foam wedges and optional head strap help control patient motion
- Reversible neck pad for adult and child positions



## Electrical Power Requirements

	Europe	USA
<b>Line Voltage</b>	~220-240 V	~115 V
<b>Line Frequency</b>	50-60 Hz	50-60 Hz
<b>Line Current</b>	2.5 A Standby	5 A Standby
<b>Main Circuit Breaker</b>	5 A Max	10 A Max

## Common CPT® codes

70480	<b>Temporal Bone Scan</b> - Computed tomography, orbit, sella, or posterior fossa or outer, middle, or inner ear; without contrast material.
70486	<b>Sinus Scan</b> - Computed tomography, maxillofacial area, without contrast material.
76380	<b>Limited or localized follow-up study</b> - Computed tomography

**This is not an extensive list nor should it be the only source. CPT® of the American Medical Association. Definitions provided by the American Medical Association. Copyright © American Medical Association.**

