The smart choice in medical in-office CT
MiniCAT IQ™ - the smart choice for your medical office

Your medical practice is evolving and your imaging tools should keep pace. Based on interactions with thousands of ENT and Allergy customers, Xoran has refined its industry leading MiniCAT solution to offer a new level of image quality and practice workflow.

MiniCAT IQ looks great in your office and delivers high-resolution, low-dose imaging of the sinuses, temporal bones, and skull base. Xoran’s unmatched service team is 100% dedicated to serving your needs and offers comprehensive support for all aspects of your MiniCAT experience.

What is medical CBCT?

MiniCAT is classified by the FDA as a medical imaging device under code “JAK”, unlike CBCT systems designed for dental applications. MiniCAT imaging is reimbursed by CMS, recognized by the Intersocietal Accreditation Commission, and backed by the American Academy of Otolaryngology.¹

Smart medicine

• Shortens the time to treatment by allowing you to diagnose during the initial examination
• Drives down unnecessary antibiotic prescriptions and lowers overall healthcare cost²
• Aligns with the Institute of Medicines “Six Dimensions of High Quality Care”³

Smart looks

In addition to classic white, MiniCAT IQ is available in accent colors to work with your personal taste and office decor. Select from elegant white and gold patterns to vibrant blue and green.
Perfect for Otolaryngologists and Allergists

MiniCAT IQ is perfect for physicians requiring superb image quality at the patient’s point-of-care resulting in faster diagnosis and treatment.

"When ruling out disease (and saving money on antibiotics) as well as confirming, documenting, and localizing disease, CBCT imaging technology is invaluable." – AAO-HNS
Smart dose

MiniCAT IQ uses significantly lower radiation exposure than conventional sinus imaging. The field of view is tailored to specific anatomy. The dose is further reduced with pediatric and follow-up protocols. A Dose Check feature alerts you if the dose limit for a patient will be exceeded.

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**Dose radiation comparison**

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Effective dose ranges in mSv</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional sinus CT scan</td>
<td>0.1 - 1.0</td>
</tr>
<tr>
<td>1-month natural background</td>
<td>0.0 - 0.2</td>
</tr>
<tr>
<td>Mammography</td>
<td>0.3 - 0.6</td>
</tr>
<tr>
<td>Xoran MiniCAT IQ</td>
<td>0.0 - 0.1</td>
</tr>
<tr>
<td>Sinus / skull x-ray series</td>
<td>0.0 - 0.01</td>
</tr>
<tr>
<td>6-hour transatlantic flight</td>
<td>0.0 - 0.005</td>
</tr>
<tr>
<td>Single chest x-ray</td>
<td>0.0 - 0.003</td>
</tr>
<tr>
<td>NCRP negligible individual dose</td>
<td>0.0 - 0.001</td>
</tr>
</tbody>
</table>
XoranConnect®

XoranConnect is a HIPAA compliant, cloud-based service designed to seamlessly connect your MiniCAT to the world.

Online viewing and collaboration

Easily access images from anywhere or obtain a second opinion from a colleague. Joint interpretation, peer review, and offsite radiologist interpretation just became simple.

- Over 2 million studies
- 5,000+ studies viewed monthly
- 2,500+ registered users of XoranConnect

Aligns with quality standards

XoranConnect enables you to meet IAC CT Accreditation requirements for offsite archival of your CT scans and makes it easier to perform internal quality reviews.

Offsite data backup

XoranConnect keeps your medical data safe by transferring patient studies to an offsite server via a secure encrypted link. Images are automatically backed up daily along with radiological reports and selected views.

Viewing stations

MiniCAT IQ Viewing Stations allow users to access their MiniCAT IQ 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 modification operations. Scans are available immediately after the reconstruction, which further streamlines the office workflow.
IAC accreditation and support

Xoran’s highly experienced consultants have helped hundreds of ENT and Allergy clinics secure IAC Accreditation. A variety of services and events are offered to ensure that your practice completes the application seamlessly and efficiently.

- Offsite backup
- Image guidance compatibility
- Teleradiology
- Online image access
- Easy data exporting

Thousands of MiniCAT customers successfully accredited
- In-house expert guidance and support
- IAC accreditation workshops
- CT interpretation events

MiniCAT IQ is SMART for Patients
- Single visit diagnosis
- Less time off work or school
- Patient-friendly, open design
- Lower radiation dose \(^{12}\)

MiniCAT IQ is SMART for Physicians
- Same-day diagnosis
- Superior image quality
- Scan and reconstruct in under a minute
- IGS compatibility

MiniCAT IQ is SMART for Business
- Optimized workflow
- Supports balloon sinuplasty
- Improves patient retention
- Increases patient referrals

Schedule a demo by visiting xorantech.com/schedule-a-demo
or call 800.709.6726
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

Exposure
- Sinus 20s (600)
- Sinus 15s (450)
- Sinus 10s (300)
- Sinus 10s (150)
- T Bone 30s (600) IQ

<table>
<thead>
<tr>
<th>Protocol</th>
<th>Exposure</th>
<th>No. of Frames</th>
<th>Scan Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sinus 20s (600)</td>
<td>48.3 mAs</td>
<td>600</td>
<td>20 sec</td>
</tr>
<tr>
<td>Sinus 15s (450)</td>
<td>36.2 mAs</td>
<td>450</td>
<td>15 sec</td>
</tr>
<tr>
<td>Sinus 10s (300)</td>
<td>24.2 mAs</td>
<td>300</td>
<td>10 sec</td>
</tr>
<tr>
<td>Sinus 10s (150)</td>
<td>12.1 mAs</td>
<td>150</td>
<td>10 sec</td>
</tr>
<tr>
<td>T Bone 30s (600) IQ</td>
<td>58.8 mAs</td>
<td>600</td>
<td>30 sec</td>
</tr>
</tbody>
</table>

Electrical Power Requirements

**USA**
- **Line Voltage**
  - ~115 V
- **Line Frequency**
  - 50-60 Hz
- **Line Current**
  - 5 A Standby
- **Main Circuit Breaker**
  - 10 A Max

**Europe**
- **Line Voltage**
  - ~115-240 V
- **Line Frequency**
  - 50-60 Hz
- **Line Current**
  - 2.5 A Standby
- **Main Circuit Breaker**
  - 5 A Max

*Voltage must be held within ± 10% of the specified Line Voltage.

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

Common CPT® codes*

<table>
<thead>
<tr>
<th>CPT Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>70480</td>
<td>Temporal Bone Scan</td>
</tr>
<tr>
<td>70486</td>
<td>Sinus Scan</td>
</tr>
<tr>
<td>76380</td>
<td>Limited or localized follow-up study</td>
</tr>
</tbody>
</table>

*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.
REFERENCES
1. AAO-HNS Statement on Diagnostic Imaging Reimbursement for Otolaryngologist–Head and Neck Surgeons (2014)
4. 0.7 to 1.0 mSv | Radiation Dose from Adult and Pediatric Multidetector Computed Tomography. Denis Tack MD, et. al. (2007).
5. 0.26 to 0.56 mSv | Backgrunder on Biological Effects of Radiation. United States Nuclear Regulatory Commission. (2015); Why is dose reduction such a "hot" topic? Norman E. Bolus, MPH, CNMT. SNMTS Uptake Newsletter (2011); NCRP Report 160 and What It Means for Medical Imaging and Nuclear Medicine, Norman E. Bolus (2013).
6. 0.02 to 0.04 mSv | Computed Tomography Dose (CT Dose). Mahadevappa Mahesh, M.S. Radiological Society of North America, Inc. (2016)
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