A better knee replacement begins with you

VISIONAIRE®
Patient Matched Instrumentation

A technology from smith&nephew
Why your scans are so important

VISIONAIRE® Patient Matched Instrumentation is a **patient specific** product that requires MRI and an X-Ray to make the product. The images are used to create a custom cutting block for knee arthroplasty designed for that specific patient.

VISIONAIRE Patient Matched Instrumentation also eliminates multiple steps from surgery and provides patients with a **less invasive** alternative to total knee replacement.

**Traditional Total Knee Replacement**

**VISIONAIRE Technology**

*Invasion of the IM canal with standard operation*

*With VISIONAIRE Technology invasion of the IM canal is avoided during alignment*
Benefit to patients

• Less blood loss during procedure

• An easier operation could get patient home faster

• Potentially less pain during the procedure

• Patient specific alignment may lead to better patient outcomes

• VISIONAIRE® Patient Matched Instrumentation eliminates as many as 22 steps and may shorten surgery time, meaning your patient needs less time under anesthesia

The precision of your images is critical to the success of the patient’s surgery
Benefit to surgeons

• VISIONAIRE®
  Patient Matched Instrumentation may reduce OR time and set up by eliminating 20-22 surgical steps from a standard TKA4

• Reduces sterilization due to less instruments required for surgery

• Eliminates need to violate the intramedullary canal, reducing blood loss and complications from fat emboli

• Improves alignment and sizing by using computer-generated images of the patient’s anatomy to determine bone cuts and implant positioning preoperatively
Build a reputation of excellence with VISIONAIRE® Technology

In the competitive world of imaging, building a reputation of excellence is key to success. When surgeons, hospitals and patients know they can rely on your images for better outcomes, the benefits are endless.
What makes VISIONAIRE° Patient Matched Instrumentation different

VISIONAIRE Patient Matched Instrumentation uses the patient’s own MRI and full leg X-Ray to design cutting blocks specific to that patient.

**MRI**
- Images are used for measurement and not diagnostic purposes
- We are not looking for ACL/PCL insertion points or meniscus tears like traditional MRI
- Only one sequence from sagittal view is required
- Full DICOM format only (no compression)
- **Intra-acquisitional or general patient motion is not acceptable**

**X-Ray**
- All joint spaces must be visible (hip, knee, ankle)
- Unilateral X-Rays are preferred, but not required
- Leg must be in true A/P position
- Correct letter markers are preferred to be applied to all images
- Patient identifiers (DOB and patient name) must be present
- **No patient movement between exposures is critical (if doing the multiple exposure X-Ray, instead of single exposure on a scoliosis like film)**
Benefit to imaging centers

• **Expand**
  your portfolio with the cutting-edge technology of VISIONAIRE®
  Patient Matched Instrumentation

• **Improve**
  Marketability for you and your Imaging Center

• **Become**
  a crucial part of improving patient’s lives
References
4. 40420112 GENESIS® II DCF Surgical Technique