

Radlink & Cios Mobile C-arms

Moving boundaries for mobile C-arms



Introducing

Radlink HIP Radlink TRAUMA

“Siemens Cios mobile C-arms provide surgeons with a high quality, reliable image. Radlink provides surgeons with the information and tools to evaluate that image and make informed decisions that can improve patient outcomes during surgery. The combined solution, now available with Cios OpenApps, offers orthopedic surgeons a streamlined intraoperative guidance tool to improve efficiency and accuracy during joint replacement procedures.”

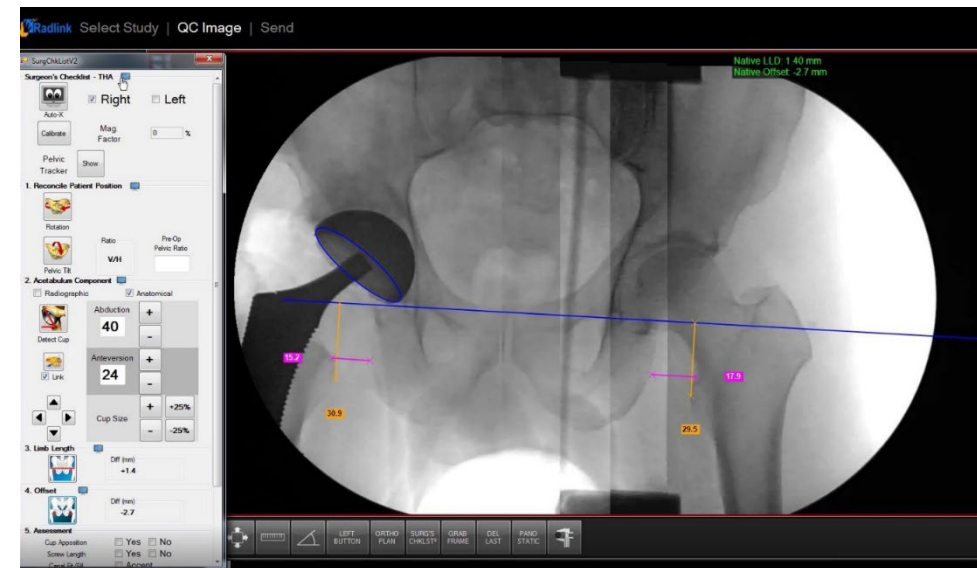
Thomas T. Hacking, Chairman, President & CEO, Radlink, Inc.



What is Radlink?

What is it?

Radlink provides pre-operative planning, intra-operative imaging analysis and surgical guidance tools for verification of component positioning in orthopedic joint reconstruction procedures, including total hip arthroplasty, arthroscopic hip preservation and orthopedic trauma. Surgeons can obtain real-time feedback and patient-specific measurements intraoperatively to verify proper implant positioning before the patient leaves the operating room. Radlink surgical platform is non-invasive, seamlessly integrates into a surgeon's existing workflow, and has been scientifically validated in clinical studies to improve accuracy and precision in component positioning.



- Improve accuracy and precision of component positioning^{1,2,3}
- No pins placed; non-invasive technology
- Reduce radiation exposure with radiation-free intraoperative templating

Clinical



- Save time and eliminate naked-eye measurements with digital AI templating, image stitching and procedural guidance
- Limits space, service and hardware requirements with seamless app-based Cios integration

Operational



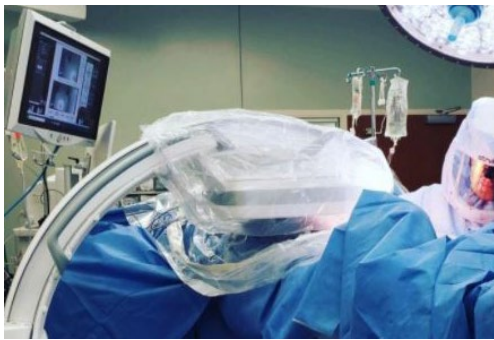
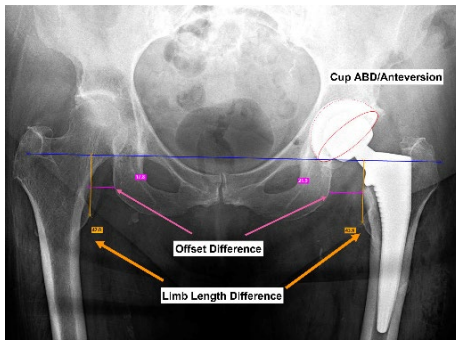
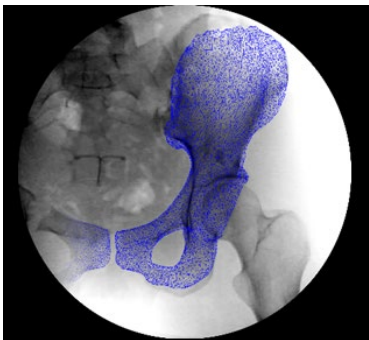
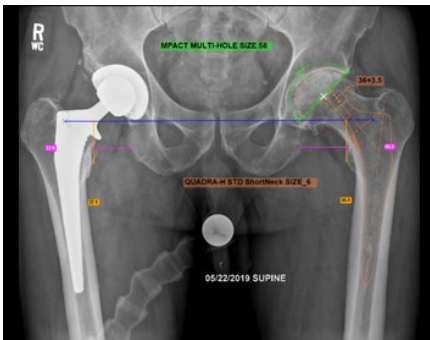
- Supported by reimbursement: CPT Code 0054T
- Limits hospital readmission rates and 90-day revision penalties^{1,2,3}
- Limit capital expenditures by eliminating need for additional hardware with unique app-based Cios seamless integration

Financial



¹ Eytan D, et al. 2020. <https://pubmed.ncbi.nlm.nih.gov/31699530/>
² Hambright D, et al. 2018. <https://pubmed.ncbi.nlm.nih.gov/29292338/>
³ Hamilton W, et al. 2019. <https://pubmed.ncbi.nlm.nih.gov/30658003/>

Radlink HIP Surgical System



Pre-Op Planning

OrthoPlan 2.0
AI-enabled digital templating creates a personalized patient plan for dynamic preop surgical planning.

AI Image Analysis

Surgeon's Checklist™ AI software analyzes image, auto-detects anatomical landmarks, and ensures consistent reproducible results

Measurement Tools

Patient-specific measurements and stitching for alignment, cup position, offset, leg length, and functional patient positioning

Surgical Guidance

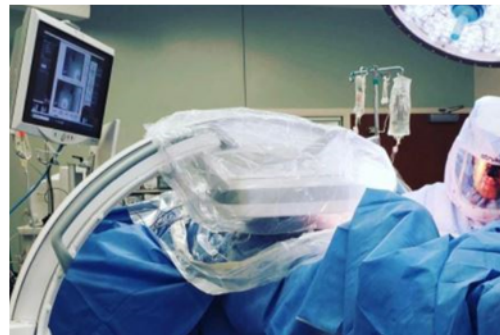
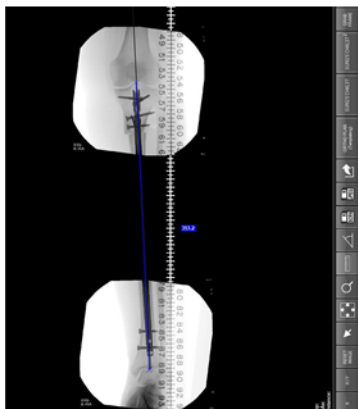
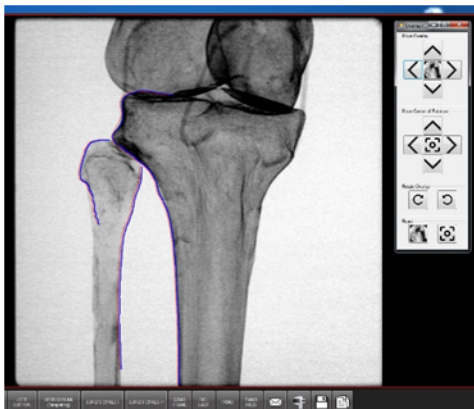
Real-time feedback guides data-driven decisions for increased **accuracy and precision** in implant placement

Verification

Confirm proper implant positioning, alignment prior to closing up the patient

Combined solution of real-time intra-operative imaging and surgical guidance software provides patient-specific verification during orthopedic procedures. Improve accuracy and precision in implant placement and increase surgical confidence.

Radlink TRAUMA Surgical System



AI Image Analysis

Surgeon's Checklist™ AI software analyzes xray image, auto-detects anatomical bony landmarks, ensures consistent reproducible results

Alignment Tools

Patient-specific measurements, mechanical axis, bony edge detection, xray overlay tools used to evaluate rotation, achieve preop plan precision

Pano Stitching

Intraoperatively stitch xrays of hip, knee, ankle to **digitally recreate and measure the anatomy,** assess angle measurements, evaluate patient positioning

Surgical Guidance

Streamlined workflow to **quickly identify any misalignment in femoral/tibial rotation,** accurately recreates the patient anatomy, reduces radiation exposure

Verification

Confirm proper alignment, positioning, accuracy of correction, rotation and leg lengths prior to closing up the patient

Combined solution of real-time intra-operative imaging and surgical guidance software provides patient-specific verification during orthopedic procedures. Improve accuracy and precision in implant placement and increase surgical confidence.

Radlink Surgeon Testimonials



Brad L. Penenberg MD

Cedars-Sinai, CA

“Before Radlink I would hope the post-op X-ray indicated that limb length was within 2-3mm of the normal side, that femoral component fit well and cup was oriented correctly. Now I have a tool that can guide precise implant placement before I complete the procedure.”



Andrew Star MD

Rothman Institute, PA

“Since using Radlink, I never have to worry about angular cup position, implant sizing, and, most importantly from a litigation standpoint, leg lengths! Radlink’s software combining quantitative measurement with the ability to stitch multiple images is essential to the orthopedic surgeon who wants excellent outcomes!”



Jason Snibbe MD

Providence Saint John’s, CA

“Radlink is the standard of care. It’s a device that allows you to be safe...we wanted to make sure the patient was safe and didn’t have complications and problems. This covers the safety and accuracy part of the operation.”



Daniel Ward MD

New England Baptist, MA

“In the case where you don’t know where your implants are or where your pelvis is in space – which is the holy grail in orthopedics, to know exactly where the patient’s pelvis is at the time you’re operating. That was the problem we ran into, and that problem is what Radlink eliminated.”



Eric Johnson MD

UCLA Medical Center, CA

“Game changer for the perfect hip. Offset, leg length, component position and anteversion are never an issue. I cannot imagine performing anterior total hip replacement surgery without Radlink.”

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Radlink Clinically Validated Results

8 Published Clinical Studies
in top scientific journals



35+ Peer Reviewed Manuscripts, abstracts, live surgical presentations, accredited podium presentations at AAOS, AAHKS, CCJR, ICJR, and Becker's ASC orthopedic conferences

20,000+ Documented Cases in the Lewinnek "Safe Zone"¹⁻³

- Conclusion: Radlink software improves accuracy and precision of component positioning
- Conclusion: In 98% of cases, intra-op measurements were within 5° of post-op ones

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3 Hamilton W, et al. 2019. <https://pubmed.ncbi.nlm.nih.gov/30658003/>



Welcome to the marketplace

Quick access philosophy



Welcome to the Digital Marketplace

Explore apps for cutting-edge care from Siemens Healthineers and solution partners

Application family
Cios (mobile C-arms)

Manufacturer
All manufacturers

Installation type
All types

Search for app name, keyword...

Sort by
Date desc.



Radlink TRAUMA

Orthopedics Surgery AI 3D
Imaging

Intra-operative surgical alignment and verification tools for orthopedic trauma and limb-lengthening...



Radlink HIP

Orthopedics Surgery AI Planning
C-ARM 3D Imaging

Surgical planning, guidance, imaging evaluation tools for orthopedic surgeons to verify accurate implant...

Cios Mobile C-arms

Cios OpenApps ready

Cios OpenApps ready Cios mobile C-arms



Cios Flow
Get straight to work.



Cios Alpha
Perfect balance. Uncompromised.



Cios Spin
New perspectives. Full control.

Thank you for your enthusiasm!

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