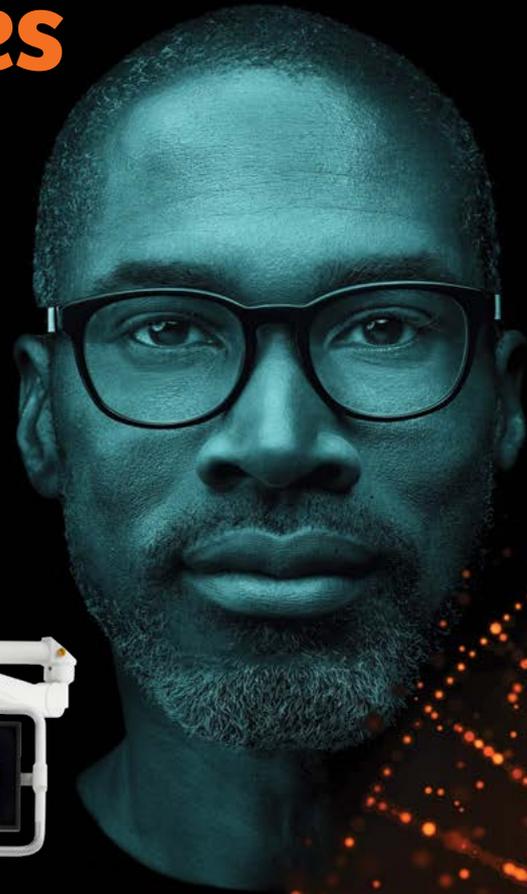


Uroskop Omnia Max

Sharper images made smarter

siemens-healthineers.us/uroskop-omnia-max



Examinations in urology are changing

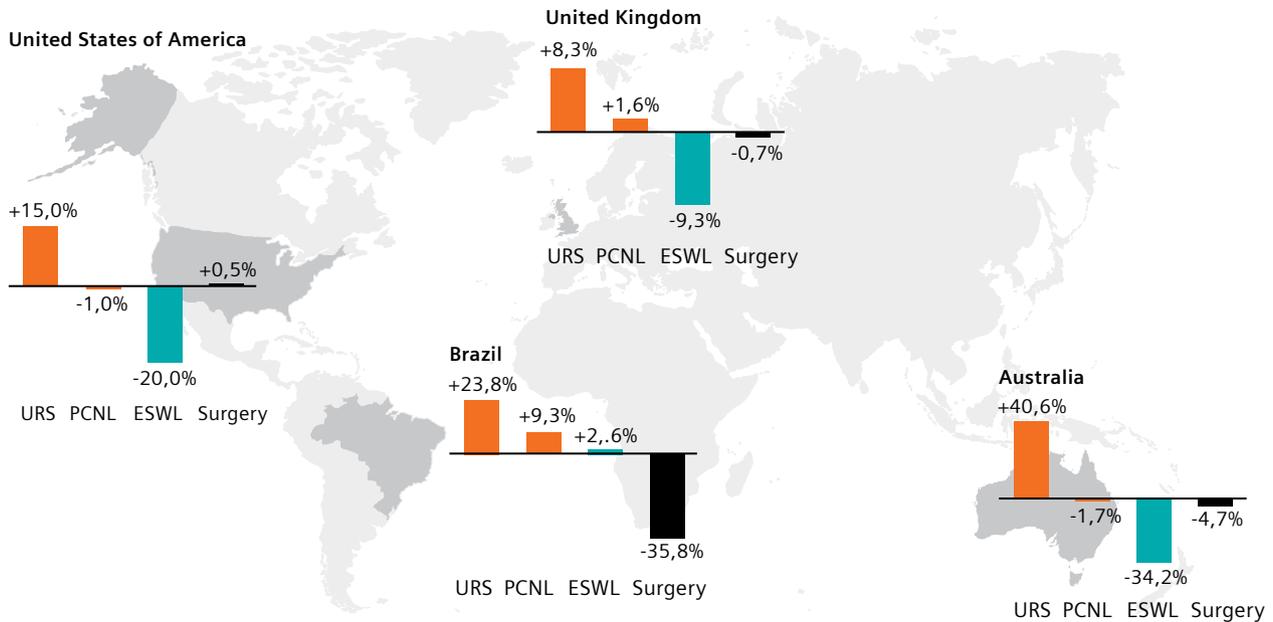
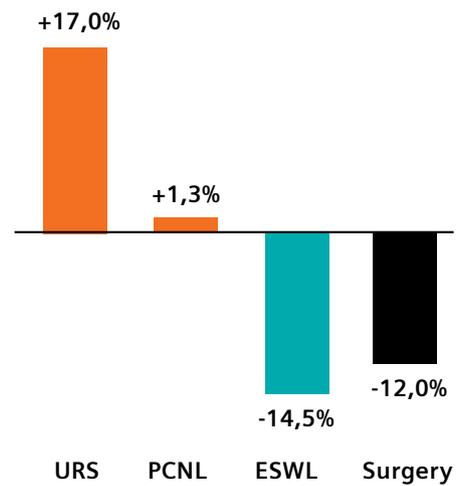
Over the last years, minimally invasive procedures such as PCNL or URS have increased significantly compared to invasive procedures when treating various diseases of the urinary tract like prostate cancer and kidney stones. Especially non-invasive ESWL procedures have been largely replaced by minimally invasive procedures, as recent studies show.

Uroskop Omnia Max meets these changing demands: It offers a full-field FD for a better overview of the entire urogenital tract, multi-modality viewing, and unmatched patient access on both sides.



Procedures in urology are changing towards minimally invasive techniques

Global trend



The share of total treatment for urolithiasis increased for URS, is stable for PCNL, and decreased for lithotripsy and open surgery. Graphics show the global results of a study conducted in Australia, Brazil, UK, and USA from 1996 – 2013.¹

¹Geraghty Robert M., Jones Patrick, and Somani Bhaskar K. *Journal of Endourology*. June 2017, 31(6): 547-556. *Worldwide Trends of Urinary Stone Disease Treatment Over the Last Two Decades: A Systematic Review.*

Reducing time and effort with Urooskop Omnia Max

In urology, inferior image quality, insufficient system ergonomics, and suboptimal image management can result in uncertain decision-making, cumbersome case preparation, and even delays during an intervention. Is there a solution that helps you successfully meet these challenges?

Offering superior imaging technology, truly unrestricted patient access, and an unhindered view of all modalities, Urooskop Omnia Max supports you in optimizing operational efficiency and patient safety. You can capture the entire Kidney-Ureter-Bladder (KUB) tract with a single shot in exceptional image quality at the lowest possible dose—and see even the finest details.

Free patient access from all sides and smart system positioning by pushing a single button result in faster, more accurate examinations and interventions. You can also display, compare, and archive images from multiple sources during patient treatment to gain a holistic view of the patient.

Urooskop Omnia Max has been designed to provide sharper images, unique ergonomics, and a faster overview. Therefore, you can concentrate on what really matters: ***your patient.***



Contents

At a glance	4
Sharper images	6
Unique ergonomics	8
Faster overview	10
Clinical gallery	12
Additional products and services	13
Technical specifications	14

Uroskop Omnia Max at a glance

Offer low-dose imaging The large dynamic flat detector of Uroskop Omnia Max delivers sharper images and acquires the entire KUB in one shot. Our CARE dose reduction program decreases radiation exposure without compromising image quality.

Get access from all sides Due to the patented curved design of the X-ray column, Uroskop Omnia Max offers unrestricted patient access from all four sides.



View and compare
X-ray, endoscopy, ultrasound, and all DICOM modalities side-by-side.

Clear view of the monitor
from any position.



Improve your processes

Experience the fastest way to the correct system position in every examination: Uroskop Omnia Max offers automated and simultaneous movements. Its intuitive controls allow efficient system operation even from within the sterile field. What's more, you can navigate from the KUB to a desired image detail quickly, precisely, and radiation-free.

Personalize when it matters

Uroskop Omnia Max provides child-friendly and efficient low-dose examinations. Dedicated accessories for pediatrics help you easily and safely position children and reduce movements during an examination.

Keep your IT secure

To protect your IT equipment and patient data from cyber attacks, Uroskop Omnia Max has been designed to be in compliance with the requirements of the US Department of Defense. This high level of cyber security is standard right from the start. And role-specific user rights support an easy workflow.



Patented curved X-ray column for free patient access.

Compact patient table for excellent patient access.

Anesthesiologist can stay at the table head, regardless of the clinical application.

Sharper images—exceptional quality at the lowest possible dose

Limited anatomical coverage and image quality can result in low diagnostic confidence and higher patient dose. Delivering 43 cm x 43 cm distortion-free, high-quality dynamic sequences and static images of the entire KUB tract in one exposure, Uroskop Omnia Max supports effective treatments.

One shot—high-quality KUB images

See more with the full span of the large dynamic flat detector. It delivers distortion-free, high-quality dynamic sequences and static images of the KUB tract in one exposure—offering full patient coverage with a detailed resolution of up to 3.4 lp/mm.

Less noise—better detail recognition

DiamondView Plus significantly reduces noise while increasing detail contrast and sharpness of your radiographic images—with enhanced soft-tissue contrast and finer bone detail. Predefined settings based on organ programs help you save time and effort and further reduce dose.

Faster navigation—lower dose

In addition to always sharpening up on image quality, we are also committed to further reducing dose for patient and staff—with our unique CARE¹ initiative. CAREPROFILE² and CAREPOSITION², for example, let you quickly navigate to a detail in a KUB image while ensuring full orientation. Easily navigate to a region of interest such as half-side, kidney or bladder by just pushing a memory button—completely radiation-free. This saves time and increases patient safety.

Safe imaging

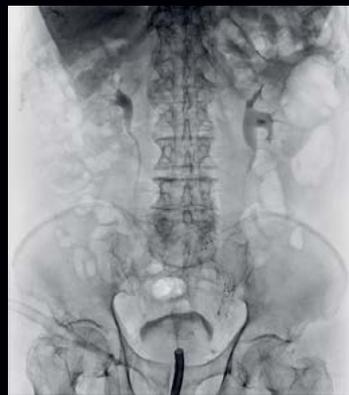
Uroskop Omnia Max supports you in performing fast, safe, and correct pediatric imaging—assisted by radiation-free positioning and dedicated parameters for low dose.

“Uroskop Omnia Max has a very large field of view and several different imaging modes. The high quality is just unbelievable.”

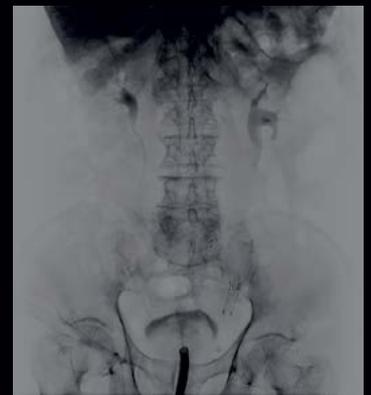
Bradley McIver, MD
Shannon Medical Center,
San Angelo, USA



Sharper images for all procedures: DiamondView Plus and Dynamic Density Optimization² (DDO) reduce image noise and enhance soft-tissue contrast—for more detail without increasing dose.



With DiamondView Plus and DDO²



Without advanced imaging filter

The right dose

The comprehensive CARE dose reduction program decreases radiation exposure for patients and staff, without compromising image quality. The dynamic flat detector, with a state-of-the-art Cesium Iodide scintillator, gives you the choice of various acquisition modes, such as low-dose DFR or full-resolution RAD images.

CAREFILTER

Automatic copper filters to reduce skin dose

CAREMATIC

Automatic exposure parameters

CAREMAX²

Dose-area measurement and monitoring

CAREVISION

Pulsed fluoroscopy with 30, 15, 10, 7.5, and 3 p/s

FluoroLoop²

Prospective and retrospective storage and review of fluoroscopy sequences

CAREPROFILE²

Radiation-free collimation using Last Image Hold (LIH) for orientation

CAREPOSITION²

Radiation-free patient repositioning using a virtual field display on the LIH

¹Combined Applications to Reduce Exposure (CARE), a Siemens Healthineers initiative for dose reduction

²Option

Targeted navigation keeping full orientation—completely radiation-free.



Targeted navigation

The dynamic flat detector offers 116% more image area and lets you see real KUB in one exposure.



33 cm (13") image intensifier



43 cm x 43 cm (17" x 17")
dynamic flat detector

Unique ergonomics—from patient access to system positioning

For some urology procedures, patient access can be an issue—up to the point that the entire OR setup has to be adjusted, which slows down the speed of care. Offering truly unrestricted patient access from all sides, Urooskop Omnia Max eliminates the need for patient repositioning.

Patented design—free access

The patented curved X-ray column offers truly unrestricted patient access from all four sides. You can clearly see your images from any position. Also, there is no need to reposition the patient, whatever the procedure, and the anesthesiologist can always remain at the table head. Your benefits: less preparation time, faster examinations, and significant time savings.

Faster operation—reproducible positions

With SmartMove, Urooskop Omnia Max automatically takes the fastest and shortest way to any position you need—at the touch of a button. With up to seven predefined, automatic, and simultaneous functions, you can reach new levels of consistency and efficiency in every examination.

Easy adjustment—for small and slender patients

Easily and quickly adapt Urooskop Omnia Max to the needs of children or very slender adults. Just move the grid into a parking position—motor-driven, with the push of a button.

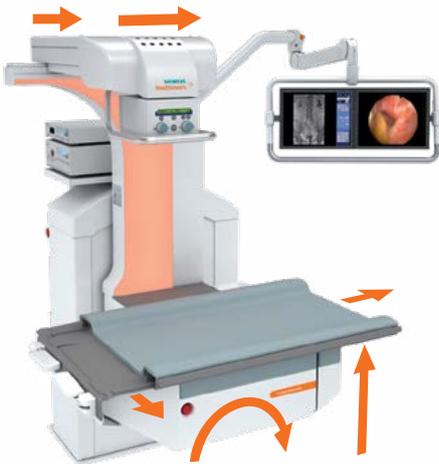


Truly unrestricted patient access from all four sides for the urologist and staff.

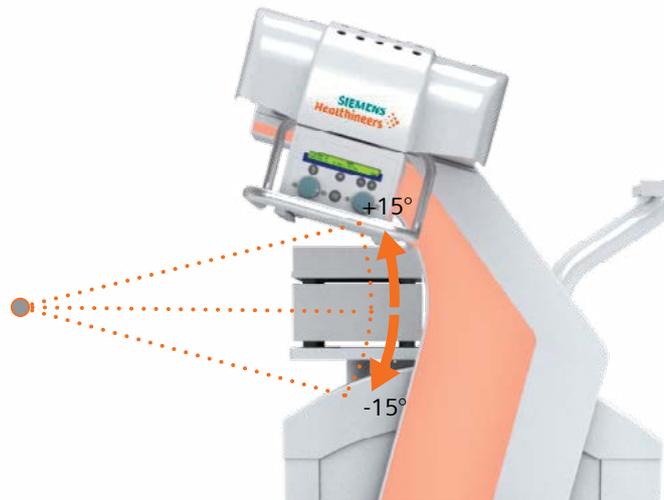
“Free access to the patient, individually adjustable table height, and intelligent table movements are further features that make working with Uroskop Omnia Max easy and convenient. In addition, patient comfort is increased while examination time is reduced.”



Michael Straub, MD
Technische Universität
München, Klinikum rechts
der Isar, Munich, Germany



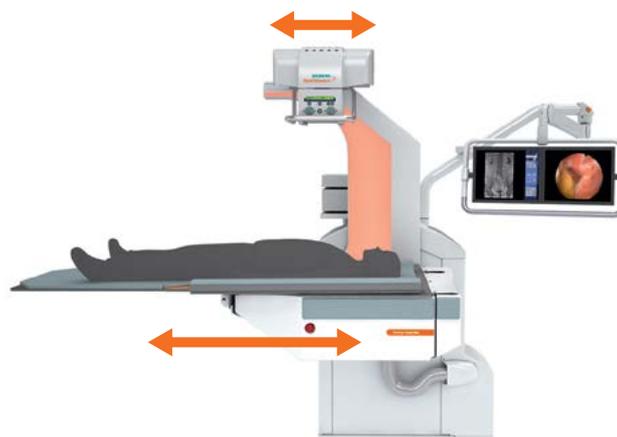
By pushing a single button, the system moves to where you need it; e.g., from the patient transfer position to your standard working position.



When moving to a Trendelenburg position, the table height is leveled around the perineal end to keep your working height constant.



When moving to a sitting micturition position, the patient can sit comfortably with feet on the ground.



Through a combination of table, tube, and detector movements, longitudinal patient coverage can be extended to up to 98 cm.

Faster overview— images from all modalities in sight

Having images on multiple separate sources can lead to intraoperative waiting times and even cramped work environments. Uroskop Omnia Max displays all multimodality images you need side by side—allowing for ergonomic working positions and efficient documentation.



All in one place—side by side

SmartView¹ lets you view and compare a variety of images side by side during interventions. You can display live and reference images from endoscopy, ultrasound, and all DICOM modalities—next to your radiography or fluoroscopy images. The plug-and-play interface HD VideoManager lets you also view endoscopy images even in High Definition (HD). So you have everything you need in one place and in exceptional image quality.

Multimodality images—stored together

SmartView¹ also allows convenient storage of images. With HD EndoStore¹, you can file images from all modalities together with X-rays as DICOM images in one patient folder. Just one more click and they will be sent to your PACS as a bundled package—for fast retrieval anytime.

¹Option



Steffen Krause, MD
Kepler Universitätsklinikum GmbH,
Linz, Austria

“For orientation during urologic interventions, I benefit from the system’s ability to simultaneously display X-ray images and on a second screen endoscopic or sonographic images. Storing all these images is an important function for a complete case documentation.”



All modalities in sight—anywhere

Every member of your intervention team can easily access all images in both the intervention room and the control room. In addition, images can be seamlessly transferred via HD VideoManager¹ to an additional screen or urodynamic system.

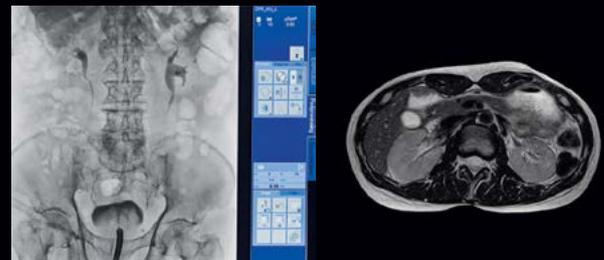


Unique handling—for sterile operation

Uroskop Omnia Max is the only system that allows you to operate SmartView¹ using a multifunctional footswitch. Your great advantage: Sterile operation is always ensured.



Connect endoscopy and ultrasound to the HD VideoManager¹ and see them side by side with your X-ray and fluoroscopy images.



Connect a PACS viewer to the HD VideoManager¹ and see multimodality DICOM images together with your live X-ray and fluoroscopy images.



Monitor signals can also be fed out with HD VideoManager¹, for example, to a urodynamic system.

See anatomical details in clear image quality

To make fast and confident diagnostic decisions, you need high image quality. Uroskop Omnia Max offers advanced imaging and post-processing technologies and a large field of view.



Intravenous pyelogram (IVP)



Conduitogram



Percutaneous nephrostomy (PCN)



Ureterorenoscopy (URS)



Retrograde pyelography



Double-J stent insertion



Retrograde urethrogram (Lauenstein)



Retrograde urethrogram (lateral)



Cystogram (a.p.)



Cystogram (lateral)

Additional products and services

To help you tap the full potential of your systems, IT, and staff, we offer you a broad range of matching products and services.

Accessory solutions

Choosing a new imaging system may inspire other equipment renewals or additions at your workplace. Our accessory solutions portfolio offers a broad range of complementary products—choose from dedicated table accessories, system accessories, endoscopy accessories, positioning aids, and more.



LifeNet

LifeNet¹ is our web-based portal that lets you manage the performance and maintenance of all your Siemens Healthineers systems 24/7. Whether you want to plan maintenance activities, monitor the status of your systems and service requests, or document service history, LifeNet gives you full control and confidence at all times. Ease your workday and stay calm, no matter what's happening around you.

Service and maintenance

Protect your investment over its entire lifecycle and enjoy optimized system availability, consistent image quality, and transparent total cost of ownership. For Uroskop Omnia Max, we offer you a dedicated service package including:

- Preventive maintenance to increase system uptime
- Remote diagnosis and repair to help keep service costs down
- Corrective maintenance and comprehensive parts coverage, including tube and detector



PEPconnect – your smarter connection to knowledge

Staffing shortages, cost constraints, greater workloads—and all the while, you have to deliver an ever higher quality of care. One key to overcome these challenges is further education. With our online e-learning experience PEPconnect,¹ you can boost your learning—anytime, anywhere, and from any device.

¹Subject to country-specific availability

Technical specifications

Discover how you can make sharper images smarter with Urooskop Omnia Max.

- A Tube & Generator**
 - Choice of 65 kW or 80 kW¹ high-frequency generator
 - High anode heat capacity (783 kHU) and air-cooled X-ray tube assembly

- B Fully motorized table**
 - Tilting $\pm 90^\circ$ for examinations with patient seated or standing
 - Trendelenburg tilt $\pm 15^\circ$ around perineal table end
 - 72 cm to 122 cm (28" to 48") adjustable table height
 - Table size of 115 cm x 76 cm (45" x 30")
 - Longitudinal ± 20 cm (8") and transverse ± 12.5 cm (5") movements
 - Max. patient capacity of 272 kg (600 lbs)

- C Image acquisition & post-processing**
 - 43 cm x 43 cm (17" x 17") MAX dynamic flat detector for excellent static and dynamic imaging
 - CAREVISION pulsed fluoroscopy with 30, 15, 10, 7.5, and 3 p/s
 - Workstation with two 48 cm (19") TFT displays¹
 - DiamondView Plus for increased image sharpness and soft tissue detail
 - Pediatric organ programs

- D Workflow**
 - System-mounted swivel arm with two large 48 cm (19") TFT displays
 - SmartView¹—access to all imaging modalities and display of live images from multiple sources such as endoscopy, ultrasound, or review workstations
 - Single remote console for control of table, tube, detector movements
 - Multifunctional footswitch¹—intuitive, sterile control of all system movements and video functions, exposure, and fluoroscopy



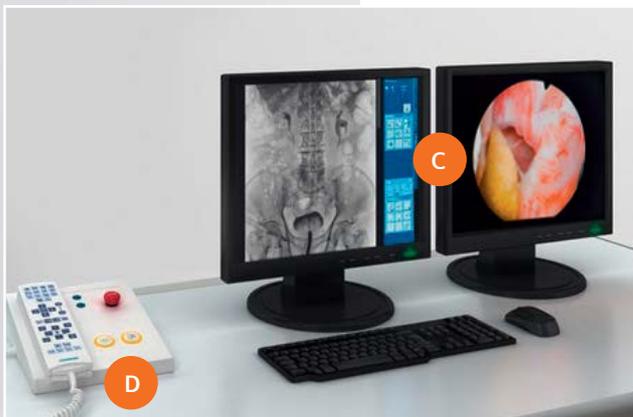
¹Option

Why Siemens Healthineers?

At Siemens Healthineers, our purpose is to enable healthcare providers to increase value by empowering them on their journey toward expanding precision medicine, transforming care delivery, and improving patient experience, all enabled by digitalizing healthcare.

An estimated 5 million patients globally benefit every day from our innovative technologies and services in the areas of diagnostic and therapeutic imaging, laboratory diagnostics, and molecular medicine, as well as digital health and enterprise services.

We are a leading medical technology company with over 170 years of experience and 18,000 patents globally. With more than 48,000 dedicated colleagues in 75 countries, we will continue to innovate and shape the future of healthcare.



The outcomes and statements provided by customers of Siemens Healthineers are unique to each customer's setting. Since there is no "typical" hospital and many variables exist (e.g., hospital size, case mix, and level of service/technology adoption), there can be no guarantee that others will achieve the same results.

On account of certain regional limitations of sales rights and service availability, we cannot guarantee that all products included in this brochure are available through the Siemens Healthineers sales organization worldwide. Availability and packaging may vary by country and is subject to change without prior notice. Some/All of the features and products described herein may not be available in the United States.

The information in this document contains general technical descriptions of specifications and options as well as standard and optional features, which do not always have to be present in individual cases.

Siemens Healthineers reserves the right to modify the design, packaging, specifications, and options described herein without prior notice. For the most current information, please contact your local sales representative from Siemens Healthineers.

Note: Any technical data contained in this document may vary within defined tolerances. Original images always lose a certain amount of detail when reproduced.

Siemens Healthineers Headquarters

Siemens Healthcare GmbH
Henkestr. 127
91052 Erlangen, Germany
Phone: +49 9131 84-0
siemens-healthineers.com

USA

Siemens Medical Solutions USA, Inc.
Healthcare
40 Liberty Boulevard
Malvern, PA 19355-9998, USA
Phone: +1-888-826-9702
siemens-healthineers.us