

Siemens presents new lithotripter for its mobile urology platform:

Modularis Variostar – new functions for greater comfort during stone treatment

For years, Siemens Medical Solutions has stood for trendsetting solutions in the areas of radiography and lithotripsy. Siemens has now further optimised its proven Modularis urology platform, whose components can be used separately or in combination: it has been enhanced with the innovative Modularis Variostar lithotripter. Thanks to its flexibility, the module is suited to both overtable and undertable procedures. A complete range of new ergonomic features simplifies operation and daily work with the unit. Additionally, Modularis Variostar - in combination with the Arcadis C-arm system from Siemens – serves as the link between the urology department and the hospital's digital network. Siemens is the only provider of a complete, single-source urology solution.

Given its modular design, the Modularis urology platform is suited to all conceivable urology applications: from traditional urodiagnostics, to extra- and intracorporeal shockwave therapy (ESWL, ISWL), to endourological interventions and orthopaedic pain therapy. The reliable system meets all modern requirements of clinical routine. The platform is designed for every need and budget. When configuring Modularis, users have the choice of two lithotripsy modules: Modularis Variostar (comfort version) with flexible treatment positions and Lithostar Modularis Vario (basic solution) with a universal coupling mechanism for C-arm systems. The Modularis Uro endourology table and a mobile C-arm system are part of the basic equipment for urodiagnostics and lithotripsy.

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They can be supplemented by the Sonoline G20 fully-digital ultrasound system from Siemens and endoscopy equipment as needed. Thanks to their mobility, all components can be used in multiple departments without problems, as well as used individually.

The therapy head of the Modularis Variostar can be moved seamlessly above and below the treatment table. This flexible positioning offers complete freedom for conventional and case-specific stone treatments. As a result, the patient can remain in a comfortable supine position during stone therapy. All modules can be controlled centrally using the new, intuitive remote control. Even C-arm angulation, which is required for localising the stone, can be triggered automatically. In addition, the physician can easily check the position of the lithotripsy module relative to the C-arm using an integrated focus control.

Together with the integrated Cplus shock wave system, the new lithotripsy module utilises an electromagnetic system with the longest lifespan in the industry (providing up to 1.5 million shots). With a total of 38 energy levels, the module can be set individually to meet anatomical and clinical requirements. Flexible energy adaptation means the shockwave system is well suited to stone therapy in paediatrics as well as for the disintegration of entire ureteral stones. Moreover, it can be used for ESWT (Extracorporeal Shock Wave Therapy) in orthopaedic applications such as treatment for tennis or golf elbow and pseudarthrosis.

The Modularis Variostar can be combined with almost all mobile C-arm systems from Siemens. A central remote control positions the motor-driven C-arm precisely. A special mechanism allows for C-arm systems from most other manufacturers to be connected as well. Additionally, the software of the Arcadis C-arm system from Siemens provides an easy link between the urology department and the hospital network. With its intuitive user interface, the unique syngo IT platform links together practically all Siemens imaging systems. The LithoReport patient management system was designed specifically for lithotripsy.

The many new ergonomic features of the Modularis Variostar simplify operation: the few unit cables together with the coupling mechanism are hidden behind glass doors. The integrated focus control provides a fast check of C-arm position. The ECG monitor is positioned in the holder specifically provided for this purpose and which also holds all cables. The brakes, operated by foot

pedal, ensure that the lithotripsy module is in a secure position, maintaining a constant focus height. As a result, Modularis is ideal for mobile applications.

Siemens Medical Solutions of Siemens AG is one of the world's largest suppliers to the healthcare industry. The company is known for bringing together innovative medical technologies, healthcare information systems, management consulting and support services, to help customers achieve tangible, sustainable, clinical and financial outcomes. Recent acquisitions in the area of in-vitro diagnostics – such as Diagnostic Products Corporation and Bayer Diagnostics – mark a significant milestone for Siemens as it becomes the first full service diagnostics company. Employing more than 41,000 people worldwide and operating in over 130 countries, Siemens Medical Solutions reported sales of 8.23 billion EUR, orders of 9.33 billion EUR and group profit of 1.06 billion EUR for fiscal 2006 (Sept. 30). Further information can be found by visiting www.siemens.co.uk/medical

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Picture caption:

Siemens presents new lithotripter for its mobile urology platform - Modularis Variostar – new functions for greater comfort during stone treatment.