

Rittal – Case Study



Laser Technology instead of Scalpel



Sophisticated laser applications increasingly replace the conventional use of scalpels. Laser technology often guarantees a more gentle and less painful therapy.

The LIFE Evolve 150-Lasersystem of **biolitec AG** is being used for the surgery of soft tissue, finding its ap-

plication in urology especially in the therapy of prostate cancer.

The LIFE™ procedure uses Selective Light Vaporization (SLV) to eliminate unwanted soft tissue using the Evolve Laser System and Fusion Fiber. With its wavelength, pulse and radiation pattern combination, the Evolve Laser System produces unparalleled results that can eliminate both scarring and tissue damage. Compared to traditional surgery, SLV is a low-trauma, low-pain, and comfortable alternative.

Because soft tissue contains a high percentage of water, a surgical laser must be well absorbed in water to

ablate tissue properly. Also, absorption in hemoglobin is imperative for char-free coagulation and successful hemostasis. The significance of the Evolve™ Laser System is that it provides the highest absorption in water and hemoglobin from the same wavelength. The fiber radiation pattern ensures the effective delivery and focus the tissue.

To protect their valuable technology, **biolitec AG** decided to use a customized instrument case of Rittal. Due to its compact and lightweight design, the laser is easily portable and can, therefore, be used in different departments of a hospital.

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