



Specialists for *da Vinci*® Si HD Surgical System at the Clinic Centre in Friedrichshafen

Our specially trained team of surgeons include the head physicians from the Urology Department, Child Urology and also the Urological Oncology, Dr. Wilhelm Esser-Bartels, Dr. Claus Friedrich Fieseler and Dr. Eberhard Köhler.

Our team of surgeons have to date successfully completed numerous laparoscopic operations and have now proceeded to perform surgery in this field using the *da Vinci*® Si HD Surgical System. This method of surgery is suitable for all patients suffering from localized prostate cancer who would also generally be considered for laparoscopic surgery or conventional open surgery.



Our Clinic Centre in Friedrichshafen is the first hospital at Lake Constance to facilitate the *da Vinci*® Si HD Surgical System.

If you are interested in finding out more about the *da Vinci*® Si HD Surgical System, please do not hesitate to contact one of our specially trained head physicians, Dr. Wilhelm Esser-Bartels, Dr. Claus Friedrich Fieseler or Dr. Eberhard Köhler.

Of course, it is also possible to arrange an appointment on short notice for the *da Vinci*® Si HD consulting hour.

DA VINCI® -CENTRE AT LAKE CONSTANCE

**Clinic for Urology,
Child-Urology and
Urological Oncology**
Clinic Centre Friedrichshafen

**Urological Group Practice
Friedrichshafen**
Consultants in Urology,
Child-Urology and
Urological Oncology

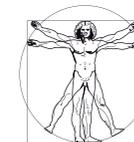
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DA VINCI® SI HD



Robot-Assistance in Urology
da Vinci® Si HD Surgical System



- a gentler form of surgical treatment
- a faster return to normal everyday activities
- preservation of bodily functions

“the first four-armed *da Vinci*® Si HD surgical robot at Lake Constance!”

**Klinikum
Friedrichshafen GmbH**



We at the Clinic Centre in Friedrichshafen are proud to be one of the few institutions nationwide and the first clinic at Lake Constance to provide the latest four-armed da Vinci® Si HD Surgical System.

With this highly developed minimal invasive surgery we have set yet another milestone in the advancement of medical treatment.

The da Vinci® Si HD Surgical System for prostate cancer

The da Vinci® Si HD Surgical System ensures the performance of highly modern minimal invasive surgery. The da Vinci® Si HD Surgical System assists surgeons performing laparoscopic surgery (key hole surgery) providing them with an exact and less demanding method of removing the prostate in the case of prostate cancer. Instead of performing open surgery on the stomach, which would involve doing a large incision, it is possible to do a more delicate incision between 5-12mm through which the necessary surgical equipment and camera can be transported. When considering operating the prostate, not only is laparoscopic surgery and conventional open surgery an option, now it is possible in the Urology Department at the Clinic Centre in Friedrichshafen to avail of the da Vinci® Si HD Surgical System. The da Vinci® Si HD Surgical System has established itself very successfully for many years now in the USA, meanwhile responsible for being the most common method to perform the prostatectomy (removal of the prostate).

The advantages of the da Vinci® Si HD Surgical System

Advantages for the surgeon:

- 3D images of the operating area
- An improved detail detection through a twelvefold magnification
- 3D movement of the surgical instruments
- Greater surgical precision
- Improved dexterity. Compensation of possible little deviations caused by the surgeon (non-shaky surgery)

Advantages for the patients:

- Minimal invasive procedure (key hole surgery)
- Less loss of blood
- Less pain
- Recovery of urinary continence
- Recovery of sexual functions
- Uncomplicated healing of wounds
- Minimal scarring
- Rapid recovery
- Shorter stay in hospital

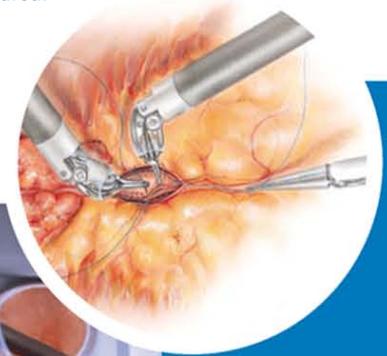
How does the da Vinci® Si HD Surgical System work?

The da Vinci® Si HD Surgical System comprises of two components:

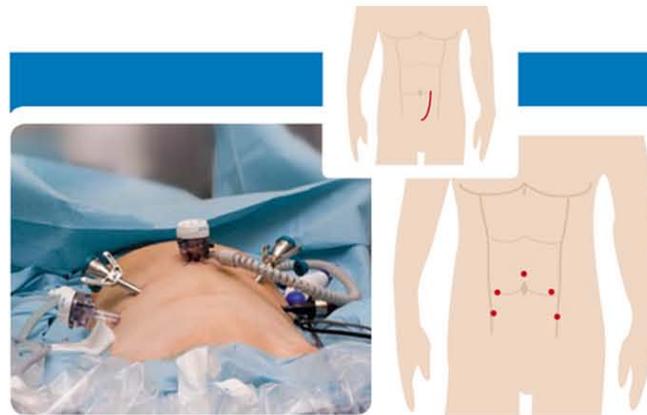
The multiple surgical apparatus is positioned directly at the patient. A camera, as well as arms equipped with the necessary surgical instruments is attached to this apparatus. The arms of this apparatus perform the movements the surgeon is making at the panel in an exact and precise manner (completely shake-free).

The panel is operated by the surgeon. The surgeon controls and manoeuvres the movements of the miniaturized wristed instruments from this panel, which facilitate greater movement than the human hand. As the surgeon manipulates the controls, the da Vinci® System responds to the surgeon's input in real time.

These instruments with 7 grades of freedom are transported through the little coin sized incisions (5-12 mm wide) and perform the movements carried out by the surgeon. Endoscopic cameras are able to deliver a magnified high-resolution 3D image of the operating area.



Surgeon's view at the control panel



Surgical view of the „da Vinci® Si HD System“

