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# Da Vinci Robotic Surgery in India (An experience)

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**PRESS RELEASE**

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## **Da Vinci Robotic Surgery in India (An experience)**

*Advanced science and technology is a boon in the medical field. Major changes and inventions in medicines and surgical instruments have really ensured that people don't succumb to deadly diseases any more.*

One of the latest feats in the healthcare sector is Robotic Surgery, which is slowly gaining its popularity worldwide. Whether its cardiac related problems, kidney or urological diseases – Da Vinci Robotic Surgery has become an answer to all complicated surgeries in present time. Robotic surgery can be defined as a minimally invasive and unmanned surgery where a robot performs the surgery and the system is controlled by a surgeon. In this surgery, the system is controlled from a console by a surgeon who sits comfortably and operates while viewing an image of the patient's body interior through a highly magnified 3D system. The surgeon with the help of master controls that functions like forceps conducts operations, as well as controls some parts of the instruments by using one or two methods.

As a matter of fact, the Da Vinci surgical system helps the surgeon to conduct operation by making small incisions in the body in comparison to the traditional surgery; this helps the patient to recover faster from any complicated surgery. Besides fast recovery the other reasons behind the popularity of Da Vinci robotic surgery include less bleeding, simple process, minimal pain, smaller scar, better technique, and decreased hospital stay. Moreover, this surgical system is very safe and effective compared to the traditional surgical methods.

## **Da Vinci Robotic Surgery in India**

Due to high medical costs in advanced countries like USA or UK, more and more patients across the world opting for India as the most preferred healthcare tourism destination for any type of medical, surgical or dental problems. It is 60-80% less compared to the prevailing rates in USA. Indian healthcare sector is growing by leaps and bounds and has acquired a new dimension with success by using robotic surgeries for prostatectomy, hysterectomy, and heart surgery among others.

Thousands of international patients around the globe are visiting India for various medical treatments. Though, traditional surgeries are available but a patient can easily opt for a Robotic Surgery. The demand for Robotic Surgery has increased in India because the trauma and bleeding in the body is low, the rate of infection is also very minimal, post-operative pain and discomfort is less, and there is shorter duration of stay in hospital. For international patients the Robotic Surgery in India will prove highly beneficial because due to faster recovery they can get back to their normal routine lives ASAP, resulting in their doing sightseeing and other activities in our country.

Additionally, there is no queue for any treatments, and a patient from any country will not have to wait for long hours to be attended regarding any complicated treatment, including organ transplant or robotic prostate surgery. They will be attended immediately from the time they approach any hospital from India regarding their ailment. Right from pick-up and dropping facility from airports to the final recovery of patients, everything is given a personal touch by the staff and medical personnel's of the hospitals. Even if travel expenses are taken into account, the medical tourism packages, it's expected that within years to come the Robotic Surgery will yield good solutions. Further, the human touch that we provide during treatment in India sets us apart from other countries of the world.

### **MPUH – An Experience**

MPUH is a world class institution for kidney diseases. Also it's the first hospital in our country devoted entirely to handle urinary diseases. Moreover, MPUH is one of the two hospitals in India to offer Robotic-assisted surgeries on patients suffering from cancer of the kidneys, bladder and the prostate. It has the latest State of the Art Machines, including Da Vinci Si Robot for performing robotic radical prostatectomy.

The hospitals' outpatient services include consultation facilities for all treatment process and the specialists at MPUH are handpicked individuals across medical specialties, nursing, paramedical and managerial staff. Established in 1976, MPUH has been instrumental in the development and delivery of clinical services for Urology & Nephrology. Our doctors have rich global exposure and experience of taking care of patients of diverse background. Continuous training programs, documented knowledge on operating protocols, at MPUH, ensure high class of medical care and clinical excellence.

### **Facilities at MPUH:**

MPUH is deeply committed to the highest standards of excellence in medical care. At the same time our hospital places utmost importance on the traditional Indian values of hospitality and compassionate patient care. We primarily ensure that you receive special attention and care for both your health and wellness from the time you start interacting with us.

1. An infrastructure to support 140 beds divided into the categories of general ward, semi-special rooms, special rooms and a VIP suite, including well-ventilated with proper sanitation facilities
2. Six Operation Theatres including two separate theatres for renal transplants, which are fully equipped for open, endoscopic and robotic-assisted procedures
3. GERMANY'S Compact Delta 273 LITHOTRIPTOR – providing remote Controlled operation with Integrated and Isocentric Ultrasound and X-Ray, which is relatively pain-free
4. An entire dialysis unit consisting of 15 machines handled by experienced and professional staff, as well as the new Water Treatment Plant required for Quality dialysis

MPUH-CRS uses Da Vinci® Surgical System. It is a minimally invasive approach, using the latest in surgical and robotics technologies and is ideal for delicate surgery. This includes prostatectomy, where the target site is not only tightly confined but also surrounded by nerves affecting urinary control and sexual

function. We use da Vinci® Surgical System for all Urology treatment like Prostatectomy, kidney Cancer, Bladder Cancer, Pediatric Cancer to name a few. Till December 2011, the robotic team of MPUH has performed over 150 robotic procedures within one year of its availability.

## **ABOUT “CENTRE FOR ROBOTIC SURGERY”**

Center for Robotic Surgery (CRS) is the Super Specialty Urological Hospital. It is an initiative of Muljibhai Patel Urological Hospital (MPUH), popularly known as 'Nadiad Kidney Hospital' or just 'Nadiad Kidney'. We are the first hospital in India devoted entirely to Nephrology and Urology.

MPUH-CRS is started with the vision to provide the best facility with advance technology to fulfill patient's need of minimal hospital stay and also reduce the morbidity rate. Our motto "Every life deserves the world class care" and, we provide the best treatment with top class technology.

Dr. Mahesh Desai is the Medical Director & Managing Trustee of MPUH - CRS. He is also a Director of JPAC, a world class center of academic excellence for Urology and Nephrology. current president of Endourology Society and immediate past president of Society International d'Urologie (SIU). Dr. Desai received several national and international awards for his services at MPUH.

## **Center for Robotic Surgery**

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