The Iskandar Complex Hernia Center Advances Hernia Repair with Cutting-Edge Robotic Surgery Technique

October 24, 2024

Waxahachie, TX - October 24, 2024 -
The Iskandar Complex Hernia Center, under the leadership of Dr. Mazen Iskandar, is pushing the boundaries of hernia surgery with the adoption of a highly advanced, minimally invasive technique known as robotic ventral hernia repair with posterior component separation and transversus abdominis release (TAR). This groundbreaking approach is changing the landscape of hernia repair, offering a new level of precision and effectiveness for patients with complex abdominal wall defects, particularly large and recurrent hernias. Dr. Iskandar has written about TAR as an addition to the Center?s Hernia Repair Techniques library, and the article can be found on the website here: https://iskandarcenter.com/hernia-surgery/robotic-ventral-hernia-repair-with-posterior-component-separation-and-transversus-abdominis-release-tar/

Hernias, especially ventral hernias, have long posed significant challenges for both patients and surgeons, particularly when the hernias are large or have recurred after previous repairs. Traditional open surgery methods, though effective, often result in prolonged recovery times, significant scarring, and a higher risk of complications such as infections. Dr. Iskandar's use of the robotic TAR technique addresses these challenges head-on, providing a safer, more effective solution that has the potential to significantly improve

patient outcomes.

The key to the success of this technique lies first in proper patient selection coupled with expert use of robot-assisted surgery and advanced hernia repair methods. By using the latest robotic surgical systems, Dr. Iskandar and his team are able to perform complex procedures through small incisions, which leads to less tissue damage, reduced scarring, and faster recovery times. The robotic platform offers the surgeon enhanced control and three-dimensional visualization of the operative field, allowing for greater precision when navigating the intricate anatomy of the abdominal wall. This advanced technique enables the placement of surgical mesh in a retromuscular position, reinforcing the abdominal wall without the need for the large incisions typical of traditional hernia repairs.

The robotic TAR technique is a type of posterior component separation, which involves carefully dissecting the abdominal wall layers to allow for the closure of large hernia defects. When preent, large hernia defects lead to a significant loss of core function and core strength, which can severely impact a patient?s quality of life. The ability to recruit and mobilize muscle tissue through posterior component separation significantly improves the chances of a successful repair, reducing the likelihood of hernia recurrence and the need for future surgeries.

The transversus abdominis release (TAR) technique fallows the surgeon to release the transversus abdominis muscle, enabling medial advancement of the abdominal muscles. This step is particularly important for large hernias, as it creates less tension for closure of large defects. This method also involves creation of a wide space for the mesh to be placed further reinforcing the abdominal wall and providing long-term stability. The use of mesh in this procedure, positioned in the retromuscular space, reduces the risk of infection and adhesion, two common complications of hernia repair surgeries.

Dr. Iskandar?s approach to robotic hernia repair has been backed by compelling data, showing significant improvements in patient outcomes compared to traditional open and laparoscopic methods. One of the most striking benefits is the shorter hospital stay that many patients experience following robotic TAR surgery. Studies have shown that patients undergoing this procedure tend to recover faster, allowing them to return to their daily activities sooner and reducing the overall cost of care. This is particularly important for patients with complex hernias, who often face prolonged recovery periods after conventional open surgeries.

Additionally, the minimally invasive nature of robotic TAR results in fewer postoperative complications. The smaller incisions used in this procedure lead to a lower risk of surgical site infections (SSIs), which are a major concern in open hernia repairs. By reducing the incidence of infections and other wound-related complications, the robotic TAR technique offers patients a safer and more comfortable recovery experience. Furthermore, the enhanced precision of robotic surgery allows for more accurate dissection of the abdominal wall, minimizing the risk of injury to surrounding tissues and organs.

For patients with large or recurrent hernias, the benefits of robotic TAR are particularly compelling. These hernias, often more than 10 centimeters in size or those that have recurred after previous repairs, can be difficult to treat with conventional methods. The ability to perform component separation and TAR through a robotic approach offers these patients a solution that is not only effective but also less traumatic than open surgery. By using small incisions and carefully placed mesh, Dr. Iskandar is able to achieve better cosmetic results while also reducing the risk of long-term complications such as hernia recurrence.

Dr. Iskandar emphasizes that while the robotic TAR technique offers significant benefits, its success depends on several key factors, including proper patient selection and the surgeon?s experience with the procedure. The complexity of the surgery requires a deep understanding of the anatomy of the abdominal wall, as well as the technical expertise to perform the intricate steps of the procedure safely and effectively. Patients considering robotic hernia repair are encouraged to seek out experienced surgeons who have undergone specialized training in the robotic TAR technique to ensure the best possible outcomes.

The Iskandar Complex Hernia Center is committed to providing patients with the latest advancements in hernia repair surgery, and robotic TAR represents a major step forward in the treatment of complex ventral hernias. Dr. Iskandar and his team are dedicated to delivering the highest standard of care, combining state-of-the-art technology with compassionate, patient-centered treatment. For patients suffering from large or recurrent hernias, the robotic TAR technique offers new hope for a faster, safer recovery with better long-term outcomes.

Patients seeking more information about robotic hernia repair or looking to schedule a consultation with Dr. Iskandar are encouraged to visit the center?s website or call to speak with a member of the medical team.

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The Iskandar Complex Hernia Center

The Iskandar Complex Hernia Center offers complex hernia surgery and advanced abdominal procedures with renowned expertise and unparalleled compassion so that you can enjoy a dramatically improved quality of life.

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