Pancreas Transplant Education

For the Pretransplant Patient
Welcome

Welcome to Indiana University Health Transplant. We are partnered with the Indiana University School of Medicine to provide you with outstanding, comprehensive transplant care.

The information in this booklet has been prepared by members of the transplant team to tell you about our Pancreas Transplant Program. We hope this information will answer many of your questions and ease some of the fears that you may have regarding transplantation. However, its purpose is to serve only as an introduction and basis for further discussions with your doctor about the option of transplantation. The information presented deals in general terms and addresses those questions common to most potential pancreas transplant patients. It is not meant to cover all the specific medical and social issues that each patient may have, since this must be done on an individual basis.

We suggest as you read through this material, you discuss it with your family and write down any questions that come to mind. Then, please discuss your questions with any member of our transplant team. Our pretransplant coordinators are available Monday through Friday, 8 am to 4 pm, and can be reached at 800.382.4602 or 317.944.4370.

Pancreas Transplant Team

Our multidisciplinary team is comprised of staff members to provide you with comprehensive care. The team includes skilled transplant surgeons, nephrologists, nurse coordinators, anesthesiologists, and surgical team members, pharmacists, interventional radiologists, pathologists, dietitians, social workers, psychologists, nursing staff, chaplains and administrative staff, as well as financial counselors and coordinators.

Transplant coordinators work closely with each patient, helping him or her throughout the entire transplantation process, from evaluation through follow-up care. Our dedicated transplant nursing staff provides excellent care in a specialized unit created just for transplant patients.

About the Pancreas and Pancreas Transplants

The pancreas is a gland (organ) about five to six inches long that is located horizontally in the back of the abdomen. It makes digestive enzymes that are delivered to the small intestine. It also makes hormones that go into the bloodstream. One of the most important hormones the pancreas makes is insulin, which regulates blood sugar levels. This regulation of blood sugar levels is a critical function.

Many individuals successfully manage their diabetes with diet, exercise and medications. If your diabetes treatment plan is working, a pancreas transplant isn’t likely a better option. But if your diabetes can’t be controlled or you have serious diabetes-related complications, a pancreas transplant may be worthwhile.

The option of pancreas transplantation is for individuals with Type 1 diabetes and may prevent, stop or even reverse some of the negative health consequences of long-term diabetes. Your medical team will help determine if a pancreas transplant could be of benefit to you.

Pancreas transplants can be performed alone, but in many cases are combined with other organ transplants. Most frequently the pancreas is combined with a kidney transplant because diabetes can cause permanent damage to the kidneys and lead to end-stage kidney disease. Pancreas transplantation may also occur after a previous kidney transplant. This frequently happens when a recipient needs a kidney transplant and a living kidney donor is available.
Transplant Costs
Before moving forward with your evaluation and surgery, our financial counselors and coordinators review your insurance carefully and advise you if they find anything of concern. Many insurance companies have special rules when it comes to transplant benefits. Our finance team will help you to understand these.

One of the main concerns is the cost of the medications that are needed after transplant. If problems are anticipated, our finance team can help give suggestions for other options.

If your insurance changes in any way (changes in coverage, open enrollment with an employer, loss of coverage, etc.) you must tell the financial team immediately. Any insurance changes could mean a big change in your transplant benefits, and our team can advise you on your best options.

Recipient Evaluation Process
To be considered for a pancreas transplant, the medical team must determine if there are any conditions that may affect normal recovery.* Selection criteria for pancreas transplant recipients include:

- Heart and lung status consistent with being able to tolerate the surgery and consistent with a long-term outcome
- Ability to follow transplant protocols and medication regimens
- An acceptable body weight

*Every potential candidate is considered on an individual basis.

The first step in your transplant evaluation process is a work-up and medical/surgical consultation. A variety of tests are done which provides the transplant team with information about all of your major organ systems.

The basic evaluation includes the following tests:

- Pelvic exam and Pap smear (females only)
- Heart testing (ECG)
- Chest X-ray
- Gastric emptying study
- Hepatitis, syphilis and AIDS blood tests
- Mammogram (females over age 40)
- Tuberculosis test
- Prostate blood test (males over age 50)
- Blood and HLA tissue typing (more details in next section)
- Colon screening (age 50 and over)
- Dental exam and treatment if necessary
- Other tests/consults as needed if first tests are abnormal, or if a medical or psycho/social condition suggests more evaluation should be done (determined by the transplant team)

Blood and Tissue Types
Blood types are either A, B, AB or O. Type O is the most common (50 percent of the U.S. population has this type), followed by A (40 percent in the U.S.). Types B and AB are more rare. A table of compatible blood types is listed below. In addition to blood type, tissue typing (white blood cell/lymphocyte or HLA type) is tested. For pancreas transplantation, the donor must have compatible blood and tissue types to you. This is determined by doing a crossmatch with blood cells from you and the donor. Crossmatching will be discussed in more detail later.

<table>
<thead>
<tr>
<th>Blood Type</th>
<th>Can receive from:</th>
<th>Can donate to:</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>O, A, B, AB</td>
<td>O, A, B, AB</td>
</tr>
<tr>
<td>A</td>
<td>O, A, B, AB</td>
<td>A, AB</td>
</tr>
<tr>
<td>B</td>
<td>O, A, B, AB</td>
<td>B, AB</td>
</tr>
<tr>
<td>AB</td>
<td>O, A, B, AB</td>
<td>AB</td>
</tr>
</tbody>
</table>

Wait List Activation
Once you have completed all necessary testing and all the results have been reviewed and approved by the transplant team, your information must be sent to your insurance company for medical review and approval. Most insurance plans take an average of two to four weeks to approve you for a transplant.

Please note—you are not a transplant candidate until you have completed the evaluation, completed any necessary corrective procedures AND received prior approval from your insurance plan.

Your transplant coordinator will tell you when the approval process is finished. You will then be added to the United Network for Organ Sharing (UNOS) wait list to wait for a deceased donor pancreas transplant. This process is commonly referred to as being “activated” or “listed.”

The National Organ Transplant Act of 1984 required the development of uniform national policies to define how all solid organs from deceased donors are distributed. UNOS was established and oversees organ allocation on a national basis. Balancing fairness with medical usefulness is the intention of this system. Currently deceased donor organs in Indiana are usually offered to recipients on Indiana waiting lists first, but a pancreas can be exported to and imported from anywhere in the United States. Please keep in mind that national policies are constantly reviewed and subject to change. You will receive the most current information on pancreas distribution once you are activated.

Things to Consider Before Activation
The decision to have a transplant is an important one. Before you decide if a transplant is right for you, you need to think about the lifestyle changes that are required and the risks. Some of the issues to consider are:

- Different diabetic treatment options versus transplantation
- The need to take medications that have side-effects and are expensive for the life of the pancreas
- Frequent outpatient clinic visits for the life of the pancreas

The basic evaluation includes the following tests:

- Pelvic exam and Pap smear (females only)
- Heart testing (ECG)
- Chest X-ray
- Gastric emptying study
- Hepatitis, syphilis and AIDS blood tests
- Mammogram (females over age 40)
- Tuberculosis test
- Prostate blood test (males over age 50)
- Blood and HLA tissue typing (more details in next section)
- Colon screening (age 50 and over)
- Dental exam and treatment if necessary
- Other tests/consults as needed if first tests are abnormal, or if a medical or psycho/social condition suggests more evaluation should be done (determined by the transplant team)
While you are waiting for a transplant, you will have a monthly blood sample sent to us for panel-reactive antibody (PRA) testing. If you are waiting for a kidney/pancreas and on dialysis, the dialysis staff will draw this sample and send it to us. If you are not on dialysis, you will be sent orders and supplies to have this done monthly. This blood sample is tested to determine if you have, or have developed, anti-HLA antibody since your initial tissue typing tests were done. As you recall, the HLA type is another compatibility test that is looked at along with the ABO blood type. Recipients can develop antibodies against specific HLA markers that can make them incompatible with a deceased donor who has those specific markers. These antibodies can develop or change over time and need to be monitored carefully to predict the likelihood of there being incompatibility. Things that can possibly change a recipient’s PRA are blood transfusions, pregnancy and previous transplants. The waiting phase can last from a few days to years with the current allocation policies.

On the Waiting List
No one can predict how long it will take before a deceased donor organ will become available for you. Many potential recipients find this to be one of the most frustrating parts of waiting for a pancreas transplant. Wait times can vary widely depending on your ABO blood type and other specific immune factors. The waiting phase can last from a few days to years with the current allocation policies.

While you wait for a deceased donor pancreas transplant, you will have a monthly blood sample sent to us for panel-reactive antibody (PRA) testing. If you are waiting for a kidney/pancreas and on dialysis, the dialysis staff will draw this sample and send it to us. If you are not on dialysis, you will be sent orders and supplies to have this done monthly. This blood sample is tested to determine if you have, or have developed, anti-HLA antibody since your initial tissue typing tests were done. As you recall, the HLA type is another compatibility test that is looked at along with the ABO blood type. Recipients can develop antibodies against specific HLA markers that can make them incompatible with a deceased donor who has those specific markers. These antibodies can develop or change over time and need to be monitored carefully to predict the likelihood of there being incompatibility. Things that can possibly change a recipient’s PRA are blood transfusions, pregnancy and previous transplants. The waiting phase can last from a few days to years with the current allocation policies.

While you wait for a transplant, you will be expected to keep current with your general health care maintenance (dental visits, Pap smears and mammograms, etc.) and to keep us informed of any changes in your health status. Although your doctors share information regarding your health with us, you need to be an active participant also. You may be placed “on hold” on the wait list if there is a problem until it is resolved. This temporary inactive status will not affect your place on the list. One of the most distressing events is when a pancreas becomes available and we discover the recipient has a health problem that we were unaware of. You always want to be honest and inform your coordinator of any fever, a productive cough or any other health concerns. Doing a transplant when you are not in the best of health could cause multiple serious problems. The transplant team will decide if it is safe to proceed with the transplant.

General Health Tips While Waiting for Your Transplant
Waiting for a donor organ can be a stressful experience, especially because the amount of time you’ll have to wait is unknown. Regardless, there are important steps transplant candidates can take to ensure they are ready for surgery when the important call comes.

- Take care of your health. Try to stay as healthy as possible and take your medicines as they are prescribed. Notify your transplant coordinator if any additional medicines are prescribed or altered, or if you are hospitalized for any reason.
- Keep scheduled appointments with your physicians. Until your transplant, you will need to see your physician(s) to continue to evaluate your overall health.
- Follow dietary guidelines. Weight management is very important while waiting for your transplant. A dietitian can work with you to plan and develop a diet program that will give you the greatest benefit before and after transplantation.
- Occupy yourself by staying involved. Spend time doing what you enjoy and stay as active as your physical condition will permit. Keep up with your work, studies and/or leisure activities, or start a project or hobby that can help distract you.
- Maintain contact with family and friends. Good company will take your mind off of waiting and enrich your life.
- Just relax. Reading or listening to music or relaxation CDs can be helpful in taking your mind off your transplant and avoiding negative thoughts.

Getting the Call
The “call” can come for a deceased donor pancreas transplant at any time, day or night, and it is your responsibility to make sure you are always available to receive this call. When you are activated, your transplant coordinator will ask you to give us multiple phone numbers for the best ways to reach you. Please be sure to update your coordinator with any changes in your contact information.

For pancreas transplants, the transplant coordinators have one hour to reach you for the potential transplant. If the coordinator cannot find you in one hour, then you will be passed by and the next patient on the list is called. Please be assured that the coordinator will do everything possible to find you, but ultimately, it is your responsibility to make sure that the coordinator can locate you. Once the coordinator reaches you, they will give you specific information about the admission process. The donor pancreas can only be preserved for 12 to 18 hours outside the body. You will need to leave for the hospital within 1.5 to 30 minutes after you have been notified that a donor pancreas is available. Do not eat or drink anything after you have been called in for your transplant.

Tips for the Call – When you get “the call”, it can be an overwhelming experience. We suggest the following to help make this process less stressful for you.
- Make sure you are available. It is important for your transplant team to know how to get in touch with you at all times. Cell phones and/or pagers allow you to be away from home and still able to be reached. If you will be out of town and still want to be called, you can call your coordinator with other ways to reach you. Or, if you are gone and know it would be difficult to get back for a transplant, you can be placed “on hold” temporarily and your name will not come up during that time. This will not affect your ranking for future calls. You must remember to update us if any of your contact information changes.
- Be prepared by having a list of things you need to bring with you. This list should include insurance information, driver’s license and medications. Other things to bring if you have them are your pager, blood pressure cuff, glucometer, loose fitting clothing and any other necessities.
- Be prepared with transportation. When you are placed on the waiting list, your first responsibility is to plan how to get to the transplant center. Prepare yourself for this call by making the necessary arrangements for transportation well in advance.

There can be times that a patient is called in and does not receive a transplant. Examples include:
- More than one potential recipient is called even though only one pancreas is available for transplant. This usually happens when the first patient has a high PRA and might have a positive crossmatch. A positive crossmatch means that the new pancreas would probably be rejected, so the transplant is not done. Since crossmatches take several hours to do, a “backup patient” is called in so the pancreas can then be transplanted quicker than having to try to locate another recipient. The sooner a pancreas is transplanted, the better chance of it working properly.
- Occasionally, after a recipient is called in, a problem is discovered with the donor or the donor’s pancreas. Obviously, the transplant team only wants to use organs that are safe and will be of benefit to you. In these cases, the transplant recipient would be sent home to wait for the next call.
- If a health problem for the recipient is found and the transplant team believes it would be wise to proceed with the transplant at that time, the recipient will be sent home and placed on-hold temporarily until the issue is resolved.

General Health Tips While Waiting for Your Transplant
Waiting for a donor organ can be a stressful experience, especially because the amount of time you’ll have to wait is unknown. Regardless, there are important steps transplant candidates can take to ensure they are ready for surgery when the important call comes.

- Take care of your health. Try to stay as healthy as possible and take your medicines as they are prescribed. Notify your transplant coordinator if any additional medicines are prescribed or altered, or if you are hospitalized for any reason.
- Keep scheduled appointments with your physicians. Until your transplant, you will need to see your physician(s) to continue to evaluate your overall health.
- Follow dietary guidelines. Weight management is very important while waiting for your transplant. A dietitian can work with you to plan and develop a diet program that will give you the greatest benefit before and after transplantation.
- Occupy yourself by staying involved. Spend time doing what you enjoy and stay as active as your physical condition will permit. Keep up with your work, studies and/or leisure activities, or start a project or hobby that can help distract you.
- Maintain contact with family and friends. Good company will take your mind off of waiting and enrich your life.
- Just relax. Reading or listening to music or relaxation CDs can be helpful in taking your mind off your transplant and avoiding negative thoughts.

Getting the Call
The “call” can come for a deceased donor pancreas transplant at any time, day or night, and it is your responsibility to make sure you are always available to receive this call. When you are activated, your transplant coordinator will ask you to give us multiple phone numbers for the best ways to reach you. Please be sure to update your coordinator with any changes in your contact information.

For pancreas transplants, the transplant coordinators have one hour to reach you for the potential transplant. If the coordinator cannot find you in one hour, then you will be passed by and the next patient on the list is called. Please be assured that the coordinator will do everything possible to find you, but ultimately, it is your responsibility to make sure that the coordinator can locate you. Once the coordinator reaches you, they will give you specific information about the admission process. The donor pancreas can only be preserved for 12 to 18 hours outside the body. You will need to leave for the hospital within 1.5 to 30 minutes after you have been notified that a donor pancreas is available. Do not eat or drink anything after you have been called in for your transplant.

Tips for the Call – When you get “the call”, it can be an overwhelming experience. We suggest the following to help make this process less stressful for you.
- Make sure you are available. It is important for your transplant team to know how to get in touch with you at all times. Cell phones and/or pagers allow you to be away from home and still able to be reached. If you will be out of town and still want to be called, you can call your coordinator with other ways to reach you. Or, if you are gone and know it would be difficult to get back for a
Your Transplant Surgery and Hospitalization
When you come to the hospital, you will have preoperative evaluation and testing done before your pancreas transplant. Blood will be drawn for routine lab tests and final donor/recipient crossmatching, in addition to heart testing and a chest X-ray. If this final evaluation confirms that you have no new medical problems and the crossmatch is acceptable, then the transplant surgery will proceed.

The surgery usually begins within 6 to 12 hours after you arrive at the hospital. The combined kidney/pancreas transplant generally takes approximately 5 to 8 hours. A pancreas alone transplant takes approximately 2 to 4 hours. During the operation, an incision from the sternum (chest bone) to the pubic bone is made in the middle of your abdomen. The pancreas is attached to the bowel, allowing pancreatic juices to drain into the gastrointestinal tract. If a combined pancreas/kidney transplant is being done, both organs are placed through the same incision. Your own kidneys and pancreas will stay in place in most cases. Throughout the surgery, the operating room staff will update your family members frequently.

Risks and Complications
As with any surgery, there can be complications. Generally the complication rate after a pancreas transplant is low. Some of these complications are:

- **Technical complications**
  - Clotting of the blood vessels to the pancreas
  - Bleeding
  - Pancreatitis (inflammation of the pancreas)
  - Bowel leak
- **Other complications related to general anesthesia and abdominal surgery**
  - Heart attack
  - Stroke
  - Hernia
  - Anesthetic reaction
  - Bowel problems
  - Pulmonary embolus (blood clot to the lungs)
  - Poor healing of the surgical incision
  - Death
- **Rejection** – Rejection occurs when the body recognizes the transplanted pancreas as not belonging and tries to destroy it. There are different types of rejection, but most can be treated and reversed. The highest risk for rejection is within the first 3 months after the transplant, so close monitoring is critical. But, it is important to remember that rejection can happen at any time, even years later. Therefore, it is critical that you follow all medical guidelines that the transplant team gives you.
- **Infection** – The drugs taken to prevent rejection can decrease your body’s ability to fight infections. Infections in a transplant patient can be serious and even life threatening. Your medications will be closely monitored and adjusted as needed to keep the risk of infection as low as possible.
- **Malignancy** – Transplant patients have a slightly higher risk of cancer than the general population. Skin cancers are the most common, but the risk can be decreased by avoiding prolonged exposure to the sun and wearing sunscreen.
- **Donor risk factors** – Although deceased donors are screened very carefully, there are diseases that can go undetected. It is then possible for these diseases to be transmitted to you.

It is important that you consider your treatment options carefully and discuss your choice with your family and/or support person(s). The transplant team is available to answer your questions.

You have the right to refuse transplant at any time up to the time of surgery.

After Surgery
Once the surgery is finished, you will be sent directly to the Intensive Care Unit (ICU). The ICU provides a specialized environment where you can be monitored closely.

Your length of stay in the ICU will depend on your rate of recovery. Your transplant team will determine when it is time for you to be discharged from the ICU to the specialized Organ Transplant Unit (OTU). The typical length of stay in the hospital after a pancreas transplant is 7 to 10 days.

Catheter – During surgery you will have a catheter inserted in your bladder so your urine can drain and the output can be carefully measured and monitored. It is usually in place about five days.

Pain control – Your nurse will provide you with medicine for pain control. Taking pain medication before doing any activity will help you move about more easily.

Activity – You will be encouraged to do deep breathing and coughing exercises to prevent lung complications. Activity will advance as your doctor sees fit.

Monitoring vital signs and fluids – You will have an IV (intravenous) line placed in surgery so IV fluids and medicines can be given to you. There will be frequent checks of your vital signs and measurements of your fluid intake and output.

Lab testing – After the transplant, you will have many blood and urine tests. Blood sugar levels are carefully monitored to ensure that your new pancreas is functioning properly.

Nutrition – You will be started on a liquid diet once your bowel function has returned to normal. Your diet will then be advanced as tolerated.

There is a waiting room for your visitors outside the ICU. Visiting will be restricted and the ICU staff will inform you and your family of visiting times. Staff members understand the importance of spending time with those you love, so we will work closely to maximize visiting time whenever possible.

Family members who have any type of infection should not enter your room. Children under 14 years old generally are not allowed in the ICU. Children are welcome on the Organ Transplant Unit once you are transferred, but they should receive a health clearance at the information desk.

Cut flowers are not allowed in your room because of harmful bacteria that may grow in the water, but potted plants, Mylar balloons and cards are welcome.
Discharge and Follow-up
Following the transplant surgery, your transplant team’s goal is to assist you in rehabilitation and return to wellness, and to prepare you to care for yourself when you go home. You and your support person(s) are active members of this team. The nursing staff and clinical coordinators will teach you about proper care and important skills such as blood pressure monitoring, measuring intake and output, taking medications properly, etc. Written instructions and a teaching video (DVD) will be provided.

You will receive a transplant handbook which you should bring with you to all your follow-up visits. Add questions you may have and consult the resources when needed. You will be using this booklet to record medical information and your current medications. It is a good idea to keep the book with you at all times in case of emergency.

Before you are discharged from the hospital, you and/or your support person will be expected to demonstrate your understanding of the following:
- How to prepare and take your prescribed medicines correctly. You must know:
  - All your medications by name and appearance, and their purpose
  - Correct dosage, time and frequency
  - Any major side effects and special precautions
- How to check and record your vital signs twice daily
- Signs and symptoms of infection
- Signs and symptoms of transplant rejection
- Your prescribed diet and exercise regimen
- Procedure for returning for follow-up care
- How to contact the transplant coordinator
- How to promote good general health

In addition to careful daily monitoring, you’ll need to follow these guidelines:

Diet – While you are in the hospital, the dietitian will instruct you on a proper diet.

Activity – For approximately six weeks after your surgery, you will be limited in certain activities such as driving, lifting heavy objects, or anything that causes pain or pulling across your abdomen. However, it is important that you exercise. Sexual activity may be resumed after your discharge as long as it does not cause pain or pulling across your incision. Most patients may return to work once they no longer require pain medications, as long as the job does not require heavy lifting. Your doctors will help you decide when you are ready.

Avoid Illness – The risk of organ rejection is greatest during the first few months after transplant, so your anti-rejection medicines are at their highest levels, making your risk for infection higher. Because of this, it is advised to avoid people who are known to be ill and crowds for several weeks when possible. Frequent hand washing is also one of the best things you can do to protect yourself.

Clinic and Ongoing Monitoring
The transplant team will continue to monitor all patients closely after discharge. This post-transplant follow-up care is individualized, but most patients will initially need frequent clinic visits and lab testing. As time goes on, the frequency of clinic visits and lab tests will decrease, but remember that rejection can occur years after receiving a transplant, so it is very important that clinic appointments and lab work continue as directed by your transplant team for the life of the transplant.

Immunosuppressives and Other Medicines
You will take immunosuppressive (anti-rejection) medication for as long as you have your transplanted organ. You will probably be taking two or three immunosuppressive medicines that work in different ways to prevent rejection. All are equally important. To receive the maximum benefit, they should be taken exactly as directed. Your doctor will choose the best drug regimen for you.

All immunosuppressives, while preventing rejection, also lower your resistance to infection. For this reason, it is especially important to review the measures for preventing infection. If you experience any symptoms of illness, contact your transplant coordinator.

Please remember that your transplant will fail without immunosuppressive medicines. The most common reason that a transplanted pancreas is rejected is that the recipient fails to take their medicine properly. It is your responsibility to make certain that you have an adequate supply of medicine and that you take it every day as directed. We strongly suggest you keep a two-week supply of all your medicines on hand, should weather or illness prevent you from traveling to obtain prescription refills.

Most patients take other medicines in addition to their immunosuppressive drugs. These may include medicines to prevent infection, anti-hypertensives (for high blood pressure), vitamins, antacids, etc. Some of these medicines may only need to be taken for a short time, while others may be continued for other medical conditions you have. If another doctor prescribes medication for you, it is wise to let the transplant team know to make sure that they do not interfere with your immunosuppressive medicines.

After Pancreas Transplant
Some pancreas recipients find their immediate post-operative course to be challenging. After receiving a pancreas transplant, recipients have said of their experience “it got worse before it got better.” After the transplant, there may be multiple readmissions for certain symptoms such as vomiting, constipation and/or diarrhea. This can be discouraging in the immediate post-operative period, however, these symptoms typically subside and your long-term quality of life improves.

It is also important to remember that some patients experience a sense of loss when they no longer have diabetes. With a new pancreas, your life as you have known it for many years is now different. Your responsibilities change from treating your diabetes to caring for your new organ. It is important that you prepare for this psychological adjustment.

Most pancreas transplant patients have a much improved quality of life. They are able to enjoy new dietary freedoms, can exercise without taking in extra carbohydrates and usually have excellent blood sugar control. Instead of checking their sugars numerous times a day, they may only check them once or twice daily. There is no further need for insulin injections since the new pancreas will supply the body with necessary insulin.

To make sure things stay that way, you will need to keep focused on the guidelines the transplant team sets for you and on the things that can impact long-term health. We look forward to working with you to achieve this goal!

For more information, contact us at:

Indiana University Health Transplant
550 N. University Blvd., Room 4601
Indianapolis, IN 46202
T 800.382.4602
iuhealth.org/transplant