

## *Informed Consent to Participate in Research*

A Multi-Center, Phase II Trial of  
Nonmyeloablative Conditioning and  
Transplantation of Partially HLA-  
Mismatched Bone Marrow for Patients with  
Hematologic Malignancies

Your name: \_\_\_\_\_

### **Introduction**

You are being invited to participate in a clinical trial. A clinical trial is a research study to answer specific medical questions. The information from this study may help future patients. This form tells you about the study. In addition, the study doctor (the person in charge of the research) will explain the study to you.

You are being asked to take part in this study because you have been found to have a cancer of the blood or lymph glands that may be treatable with stem cell transplantation from a relative or an unrelated donor. We and other transplant centers have the most experience using a donor who is a “perfect” or close to perfect “tissue match”. However, tissue typing shows that a completely matched donor is unavailable within your family, although you do have a family member who is a partial match. While an unrelated donor transplant is an option, we either have not been able to find a good match or we are concerned that your disease may worsen in the time it takes to find one.

The investigators of this study want you to understand that patients in clinical trials include only those who are completely informed and choose to participate. Please take your time to make your decision. We encourage you to discuss your decision with your doctor, family, and friends.

It is important that you know:

- You will not be paid to be in this study.
- You or your insurance company will pay the bills for your medical treatment except that,
- You will not be charged for research tests.
- You will face the same risks and benefits as any other bone marrow transplant patient.

**Principal Investigator Contact Information at your Institution**

Name/Title/Phone number/

**Contact information for emergencies after hours or on weekends or holidays:**

Name/Phone number/

**Who is conducting this study?**

The research in this study is paid for by the National Institutes of Health (NIH), which supports the Blood and Marrow Transplant Clinical Trials Network (BMT CTN). The BMT CTN will direct the research study. All decisions about how the study is done are made independently by the BMT CTN and NIH.

**Why is this study being done?**

This study is being done because at the present time there are no curative therapies for your disease outside of blood or marrow stem cell transplantation. Because of your age or underlying health and the fact that you do not have a matched donor, you have a higher likelihood of experiencing harm from a conventional stem cell transplant. We are hoping to test whether the method of reduced intensity transplantation (sometimes referred to as a “nonmyeloablative”) from partially mismatched donors is safe enough to allow further analysis in more detailed clinical trials.

There is no guarantee or promise that this procedure will be successful.

**How many people will take part in the study?**

A total of 50 patients will participate in this study. This study will be done many different medical centers in the United States, including [Center Name/Location].

**What will happen if I take part in this research study?**

In this study, we will use a partially mismatched donor from your family for a new type of bone marrow transplant called “nonmyeloablative transplant” which does not require using high doses of chemotherapy or radiotherapy. You will be treated first with a type of chemotherapy called fludarabine (also called Fludara®), which is given intravenously through your catheter daily for five days. You also will be given cyclophosphamide (also called Cytoxan®) intravenously, which is commonly used to treat cancer, on your first and second day along with fludarabine. After the chemotherapy is completed, you will receive a small dose of radiation to your whole body in a single exposure. The next day, Day 0, your donor’s marrow will be harvested and given to you through your catheter. High doses of cyclophosphamide will be administered intravenously on the 3<sup>rd</sup> and 4<sup>th</sup> day after the transplantation to help prevent two complications, graft rejection and graft-versus-host disease (GVHD), an attack by donor cells on your normal tissues. Beginning on the 5<sup>th</sup> day after transplantation, we will give you two other approved drugs, called tacrolimus (also called FK-506 or Prograf®), and Mycophenolate mofetil (also called MMF or CellCept®), after the transplant to help prevent GVHD. In certain cases where patients do not tolerate tacrolimus, they

may be given cyclosporine, another approved drug that helps prevent GVHD. GVHD is explained in greater detail on page B-9.

You will continue to take MMF for about 5 weeks and tacrolimus for about 6 months. Also beginning on the 5<sup>th</sup> day after transplantation, you will also be given a growth factor called G-CSF (also called filgrastim or Neupogen®) by daily injection through the catheter or under your skin which may help to speed up the recovery of white blood cells. The daily injections of G-CSF will be stopped when the white blood cells have recovered. To make sure your donor's bone marrow is growing back, blood or marrow samples will be obtained from you at about 1, 2, 6, and 12 months after transplant.

The chemotherapy, radiotherapy, and even the supportive care you will receive are associated with many potential side effects, some of which may be life threatening. These side effects are listed below in the section of risks of the study. There can be additional risks associated with the use of antibiotics, which your doctor can discuss with you.

You will receive treatment for any infections according to medical standards.

Blood tests will be performed frequently to evaluate your response to treatment and possible side effects of treatment. If necessary, platelet and red cell transfusions will be given to maintain adequate levels and antibiotics will be given to treat or prevent infection. You may also require intravenous nutritional support and pain medications during or after transplantation. You will be monitored closely for any signs and symptoms of GVHD.

**How long will I be in this study?**

Your treatment will last approximately 2-3 months at this center but possibly longer if there are complications. We would like to see you in clinic for follow-up at 6 months, if possible, and then 1 year post-transplant.

However, we would like to keep track of your medical condition for the rest of your life. We will do this by contacting you and the doctor providing your regular medical care by phone or mail once a year. Keeping in touch with you and checking on your condition every year helps us know whether there are any unexpected long-term side effects of treatment. Many transplant centers include this type of long-term follow-up as part of their regular care.

**Can I stop being in this study?**

Yes. You can decide to stop at any time. Tell your doctor if you are thinking about stopping or decide to stop. He or she will tell you how to stop safely. If you decide to withdraw from the study, we ask that you tell your doctor. If you withdraw, there will be no penalty or loss of benefit to which you are entitled and you will continue to receive medical care. If you do not want this, you must specifically tell your doctor.

If you have any questions about your rights as a study subject, you may contact the Institutional Review Board (IRB) office at /number/.

**Can the Principal Investigator withdraw me from this research study?**

You can be taken off the study (with or without your consent) for any of these reasons:

- The study treatment does not work for your type of cancer
- You develop a serious side effect that you cannot tolerate or that cannot be controlled with other medications
- You are unable to meet the requirements of the study (for example, you cannot take the medicine as prescribed or you refuse follow up)
- New information about the study drugs or other treatments for cancer becomes available
- The study is cancelled

**What side effect or risks can I expect from being in the study?**

<b>Likely Side Effects</b>	What it means: This type of side effect is expected to occur in more than 20% of patients. This means that 21 or more patients out of 100 might get this side effect.
<b>Less Likely Side Effects</b>	What it means: This type of side effect is expected to occur in 20% of patients or fewer. This means that 20 patients or fewer out of 100 might get this side effect.
<b>Rare Side Effects</b>	What it means: This type of side effect does not occur very often – in fewer than 2% of patients – but is serious when it occurs. This means that 1 or 2 patients (or fewer) out of 100 might get this side effect.

**Cyclophosphamide (Cytosan®)**

Likely	Less Likely	Rare, but Serious
<ul style="list-style-type: none"> <li>• Decreased white blood cell count with increased risk of infection</li> <li>• Temporary hair loss</li> <li>• Nausea</li> <li>• Vomiting</li> <li>• Loss of appetite</li> <li>• Sores in mouth or on lips</li> <li>• Diarrhea</li> <li>• Stopping of menstrual periods in women</li> <li>• Decreased sperm production in men</li> <li>• Decreased platelet count (mild) with increased risk of bleeding</li> <li>• Blood in urine</li> </ul>	<ul style="list-style-type: none"> <li>• Anemia</li> <li>• Temporary tiredness</li> <li>• Damage to the fetus if you become pregnant while taking drug</li> </ul>	<ul style="list-style-type: none"> <li>• Scarring of lung tissue, with cough and shortness of breath</li> <li>• Severe heart muscle injury and death at very high doses</li> <li>• Secondary cancers</li> </ul>

**Fludarabine (Fludara®)**

Likely	Less Likely	Rare, but Serious
<ul style="list-style-type: none"> <li>• Decreased white blood cell count with risk of infection</li> <li>• Decreased platelet count with increased risk of bleeding</li> <li>• Anemia</li> <li>• Tiredness</li> <li>• Nausea</li> <li>• Vomiting</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea</li> <li>• Numbness and tingling in hands and/or feet related to irritation of nerves of the hand and/or feet</li> <li>• Changes in vision</li> </ul>	<ul style="list-style-type: none"> <li>• Pneumonia</li> <li>• Agitation/nervousness</li> <li>• Confusion</li> <li>• Cough</li> <li>• Difficulty breathing</li> <li>• Weakness</li> <li>• Severe brain injury and death</li> </ul>

**G-CSF (Neupogen®)**

Likely	Less Likely	Rare, but Serious
<ul style="list-style-type: none"> <li>• Ache or pain inside the bones</li> <li>• Increased levels of liver enzymes and uric acid in the blood</li> <li>• Low number of platelets in the blood</li> <li>• Headache</li> <li>• Tiredness</li> </ul>	<ul style="list-style-type: none"> <li>• Local irritation (skin) at the injection site</li> <li>• Nausea</li> </ul>	<ul style="list-style-type: none"> <li>• Allergic reaction</li> <li>• Low fever</li> <li>• Enlargement or rupture of the spleen</li> <li>• Worsening of pre-existing skin rashes</li> </ul>

**Mycophenolate mofetil (MMF; CellCept®)**

Likely	Less Likely	Rare, but Serious
<ul style="list-style-type: none"> <li>• Miscarriage</li> <li>• Birth defects</li> <li>• Diarrhea</li> <li>• Damage to unborn baby</li> <li>• Limited effectiveness of birth control</li> <li>• Stomach pain</li> <li>• Upset stomach</li> <li>• Vomiting</li> <li>• Headache</li> <li>• Tremors</li> <li>• Low white blood cell count with increased risk of infection</li> <li>• Increased blood cholesterols</li> <li>• Swelling of the hands, feet, ankles, or lower legs</li> </ul>	<ul style="list-style-type: none"> <li>• Anemia</li> <li>• Rash</li> <li>• Difficulty falling asleep or staying asleep</li> <li>• Dizziness</li> <li>• Uncontrollable hand shakes</li> </ul>	<ul style="list-style-type: none"> <li>• Difficulty breathing</li> <li>• Unusual bruising</li> <li>• Fast heartbeat</li> <li>• Excessive tiredness</li> <li>• Weakness</li> <li>• Blood in stools</li> <li>• Bloody vomit</li> <li>• Changes in vision</li> <li>• Progressive Multifocal Leukoencephalopathy</li> </ul>

**Total Body Irradiation (TBI)**

Likely	Less Likely	Rare, but Serious
<ul style="list-style-type: none"> <li>• Fatigue</li> <li>• Nausea</li> </ul>	<ul style="list-style-type: none"> <li>• Vomiting</li> <li>• Cataracts</li> <li>• Low white blood cell count with increased risk of infection</li> <li>• Low platelet count with increased risk of bleeding</li> <li>• Anemia</li> </ul>	<ul style="list-style-type: none"> <li>• Diarrhea</li> <li>• Secondary cancers</li> </ul>

**Tacrolimus (Prograf®; FK-506)/Cyclosporine**

Likely	Less Likely	Rare, but Serious
<ul style="list-style-type: none"> <li>• Kidney problems</li> <li>• Loss of magnesium, calcium, potassium</li> <li>• High blood pressure</li> <li>• Tremors</li> <li>• Increases in cholesterol and triglyceride</li> </ul>	<ul style="list-style-type: none"> <li>• Nausea</li> <li>• Vomiting</li> <li>• Liver problems</li> <li>• Changes in how clearly one can think</li> <li>• Insomnia</li> <li>• Unwanted hair growth</li> <li>• Confusion</li> </ul>	<ul style="list-style-type: none"> <li>• Seizures</li> <li>• Changes in vision</li> <li>• Dizziness</li> <li>• Red blood cell destruction</li> </ul>

**Risks and Toxicities Related to Standard Transplant Procedures**

**Risks of Bone Marrow Transplantation**

The following problems may occur as a result of transplantation of bone marrow. These are risks that would be present whether such a transplant was done as part of the study or not:

1. **Slow Recovery of Blood Counts.** The red blood cells, white blood cells, and platelets can be slow to recover after bone marrow transplantation. Until your blood counts recover, you will need blood and platelet transfusions, and will be at risk for bleeding and infections. Although infections can be treated with drugs, they can be very dangerous or fatal. To speed the recovery of the white cells as much as possible you will receive growth factor, a hormone that tells the bone marrow to make white blood cells.
2. **Graft Failure.** The bone marrow stem cells (the “graft”) may fail to grow inside your body. Past experience suggests that there can be up to a 15% chance of graft failure. If graft failure occurs, this may result in low blood counts for a long period of time. Graft failure can be fatal.

- 3. Graft-versus-host Disease (GVHD).** This condition results from the bone marrow cells recognizing your body as foreign and attacking it. In most cases, GVHD can be successfully treated. Sometimes GVHD is severe or difficult to treat and may lead to death. You will be watched closely for this complication and given medication to prevent and/or treat it.

There are two forms of GVHD: acute GVHD (occurs in the first 3 months after transplant) and chronic GVHD (after the first 3 months). Acute GVHD may produce skin rash, nausea, vomiting, diarrhea, abdominal pain, abnormalities of liver function, and an increased risk of infection. Chronic GVHD may produce skin rashes, hair loss, thickened dry skin, dry eyes, dry mouth, liver disease, weight loss, diarrhea, and an increased risk of infection. To confirm the diagnosis of acute or chronic GVHD, you may be asked to have a biopsy (i.e. taking a small sample of tissue to look at under the microscope) of your skin, gut, or, rarely, your liver.

- 4. Other Complications.** Other complications that can result from the transplantation procedure not specifically related to one specific drug or the bone marrow stem cells or this study include:
- a. Damage to the vital organs in your body.** This could result in problems in any body organ, such as heart, lungs, liver, gut, kidneys and bladder, brain, etc. The lungs and the liver are particularly vulnerable. Some patients will experience severe lung problems due to infections and/or due to a reaction of the lungs to the chemotherapy and radiation. Rarely patients can suffer veno-occlusive disease of the liver (VOD). This complication results from high doses of chemotherapy and/or radiation. Patients with VOD become jaundiced (yellowish skin), have liver function abnormalities, abdominal swelling, and abdominal pain. Although many patients recover completely, these complications may cause permanent damage or even death.
  - b. Serious infections.** Full and complete recovery of your immune system may take many months following the initial recovery of your cell counts. During this time, there is an increased risk of infections. You will be prescribed certain medications to reduce the chance of those infections. However, preventative treatments are not always effective. If you have an infection, you may have to stay in the hospital longer or be re-hospitalized after transplant. Although most infections can be successfully treated, some infections may result in death.
  - c. Recurrence of disease, or development of a new blood cancer.** Your leukemia or lymphoma may come back even if the transplant is initially successful. In rare cases a blood cancer may arise from cells of the donor. Cyclophosphamide can cause damage to blood cells, which may result in a blood cancer such as myelodysplastic syndrome (MDS) or acute myeloid leukemia (AML). The blood cancer usually develops 2-10 years after treatment, or 6 years on average. The risk of developing a new blood cancer after allogeneic BMT is probably less than 2%. However, since your donor's marrow is exposed to cyclophosphamide after the transplant, there is a risk that a blood cancer may develop in your donor's blood cells. This risk is unknown, but it may be as high as 5-10%. If cancer develops in your donor's blood cells, you may require additional treatment with

chemotherapy or another bone marrow transplantation procedure.

- d. Risk to the unborn.** The treatments in this study have NOT been proven to be safe at any stage of pregnancy. Therefore, if you are pregnant or nursing, you are not eligible for this study. Women who have the potential of becoming pregnant must use some form of effective birth control while receiving chemotherapy, TBI, and GVHD prophylaxis. Effective birth control is defined as the following:
- 1) Refraining from all acts of vaginal intercourse (ABSTINENCE)
  - 2) Consistent use of birth control pills
  - 3) Injectable birth control methods (Depro-Provera, Norplant)
  - 4) Tubal sterilization or male partner who has undergone a vasectomy
  - 5) Placement of an IUD (intrauterine device)
  - 6) Use, with every act of intercourse, of a diaphragm with contraceptive jelly and/or condoms with contraceptive foam.
- e. Sterility and future childbearing potential for men and women.** Chemotherapy and/or irradiation may affect your ability to have children. Male patients may become sterile (unable to produce sperm) and should discuss with their doctor regarding sperm banking prior to transplantation. Female patients who have attained puberty may find that their menstrual cycle becomes irregular or stops permanently. However, this DOES NOT MEAN THAT YOU CANNOT BECOME PREGNANT, and you must use some effective method of birth control during transplant and afterwards until you are off GVHD prophylaxis. Damage to reproductive tissue may result in infertility (inability to have children). It is not known if the damage could result in birth defects. You should discuss these risks and options in detail with your doctor before entering this study.
5. **Unknown or Unexpected Side Effects.** As with any treatment, there may be unknown and/or unexpected side effects from a nonmyeloablative bone marrow transplant. We may learn new things about nonmyeloablative bone marrow transplants that might make you want to stop being in the study. We will let you know if this happens and you can decide if you want to continue in the study.
6. **Additional information regarding MMF**
- a. MMF could be damaging to an unborn baby if you are pregnant or become pregnant while receiving the drug.
  - b. MMF can limit the effectiveness of birth control pills and thus increase your chances of becoming pregnant while you are taking it.
  - c. In this trial you will be assigned to receive MMF for approximately 5 weeks and therefore you should not become pregnant during that time. If you think you might be pregnant or could become pregnant during the upcoming 5 weeks, you should not enroll in this trial.

**Are there benefits to taking part in the study?**

This research study is examining the treatment results of chemotherapy and radiation given before and after a bone marrow transplant from a partially mismatched related donor. The knowledge gained from this study may help future patients who need a bone marrow stem cell transplant, but you may not benefit from participating in the study.

As a result of the bone marrow transplant, your disease may be put in remission or continue in remission.

**What other choices do I have if I do not take part in this study?**

Participation in this study is entirely voluntary. You don't have to be in this study. What you decide will not affect current or future health care you receive at this institution. Before you decide to be in this study, you and the medical staff will discuss other options available to you, including:

- Chemotherapy
- A transplant of cord blood cells
- Transplantation from an adult unrelated donor, if one can be identified that would be a good match for you
- No therapy to try and control your leukemia/lymphoma but treatment to make sure you remain comfortable for the remainder of your life.

**What are the costs of taking part in this study?**

You and/or your insurance company will pay all medical expenses relating to, or arising from, bone marrow transplantation. You will not be billed for tests that are only done for research purposes.

You will not be paid to be in this study.

Some health plans will not pay these costs for people taking part in studies. Check with your health plan or insurance company to find out if they will pay.

For questions about your costs, financial responsibilities, and/or medical insurance coverage for your transplant and this study, please contact /Center/ Financial Counselor at /Number/.

For more information on clinical trials and insurance coverage, you can visit the National Cancer Institute's Web site at <http://cancer.gov/clinicaltrials/understanding/insurance-coverage>. You can print a copy of the "Clinical Trials and Insurance Coverage" information from this Web site.

Another way to get the information is to call 1-800-4-CANCER (1-800-422-6237) and ask them to send you a free copy.

**What if I am injured as a result of being in this study?**

In the event that this research activity results in an injury, treatment will be available. This treatment includes first aid, emergency treatment and follow-up care as needed. Care for such injuries will be billed to your insurance company. If you think you have suffered a research related injury, let the study doctors know right away. Unexpected side effects or accidents might result in your getting sicker than anticipated. All available medical care will be provided to you, but you and your insurance company are responsible for the costs of all such care.

**What are my rights if I take part in this study?**

Taking part in this study is your choice. You may choose either to take part or not to take part in the study. If you decide to take part in this study, you may leave the study at any time. No matter what decision you make, there will be no penalty to you. You will not lose any of your regular benefits. Leaving the study will not affect your medical care. You can still get your medical care from our institution.

We will tell you about new information that may effect your health or your willingness to stay in the study.

In the case of injury resulting from this study, you do not lose any of your legal rights to seek payment by signing this form.

**Will my medical information be kept private?**

Your participation in this research study will be kept private and confidential. All your medical and demographic (such as race and ethnicity, gender and household income) information will be kept private and confidential. (*Name of Transplant Center*) and the organizations listed below will not disclose your participation by any means of communication to any person or organization, except by your written request, or permission, or unless required by federal, state or local laws, or regulatory agencies.

Individuals authorized by the organizations below will have access to your research and medical information. They may use this information for inspections or audits to study the outcomes of your treatment. In agreeing to participate, you consent to such inspections and to the copying of parts of your records, if required by these organizations.

**Organizations with access to your research and medical records:**

- /Institution/
- The National Institutes of Health (NIH)
- The National Heart, Lung, and Blood Institute (NHLBI)
- The National Cancer Institute (NCI)
- Office of Human Research Protection (OHRP)
- The Food and Drug Administration (FDA)

- Institutional Review Boards (IRBs) responsible for this study
- Data and Safety Monitoring Board (DSMB), not part of /Institution/
- Blood and Marrow Transplant Clinical Trials Network (BMT CTN), including the Center for International Blood and Marrow Transplant Research (CIBMTR), the National Marrow Donor Program (NMDP) and the EMMES Corporation who are coordinating the studies of the BMT CTN
- Study investigators

Scientific and medical findings resulting from a study may be presented at meetings. They may be published so that the information can be useful to others. You will not be identified in these presentations and publications.

Information related to or resulting from your transplant will be reported to the CIBMTR. The CIBMTR is a voluntary organization of basic and clinical scientists working together to gather results of blood stem cell and marrow transplants. This information is used to guide clinical decisions and identify ways to improve transplant outcomes. Scientific data or medical information (not identifiable with you) that could be useful to others may be presented at meetings and/or published in medical journals.

For questions about access to your medical records, please contact /name/ at /number/.

### **HIPAA<sup>1</sup> authorization to use and disclose individual health information for research purposes**

Purpose: As a research participant, I authorize the Principal Investigator and the researcher's staff to use and disclose my individual health information for the purpose of conducting the research study entitled: *A Multi-Center, Phase II Trial of Nonmyeloablative Conditioning and Transplantation of Partially HLA-Mismatched Bone Marrow for Patients with Hematologic Malignancies*

Individual Health Information to be Used or Disclosed: My individual health information that may be used or disclosed to conduct this research includes: demographic information (e.g., age, date of birth, sex, weight), medical history (e.g., diagnosis, complications with prior treatment), physical examination findings, and laboratory test results obtained at the time of work up and after transplantation (e.g., blood tests, biopsy results).

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<sup>1</sup> HIPAA is the Health Insurance Portability and Accountability Act of 1996, a federal law related to privacy of health information

Parties Who May Disclose My Individual Health Information: The researcher and the researcher’s staff may obtain my individual health information from:

*(list hospitals, clinics or providers from which health care information can be requested)*

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Parties Who May Receive or Use My Individual Health Information: The individual health information disclosed by parties listed in item c and information disclosed by me during the course of the research may be received and used by the following parties:

- Principal Investigators and the researcher’s staff at the Johns Hopkins University and Fred Hutchinson Cancer Research Center
- Staff/laboratories identified in the protocol for the evaluation of other laboratory samples
- National Heart, Lung and Blood Institute (NHLBI) and the National Cancer Institute (NCI), both of the National Institutes of Health (NIH), study sponsors
- Blood and Marrow Transplant Clinical Trials Network (BMT CTN), including the Center for International Blood and Marrow Transplant Research (CIBMTR), the National Marrow Donor Program (NMDP) and the EMMES Corporation who are coordinating the studies of the BMT CTN
- U.S. government agencies that are responsible for overseeing research such as the Food and Drug Administration (FDA) and the Office of Human Research Protections (OHRP)
- U.S. government agencies that are responsible for overseeing public health concerns such as the Centers for Disease Control (CDC) and federal, state and local health departments.
- Others:

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Right to Refuse to Sign this Authorization: I do not have to sign this Authorization. If I decide not to sign the Authorization, I will not be allowed to participate in this study or receive any research-related treatment that is provided through the study. However, my decision not to sign this authorization will not affect any other treatment, payment, or enrollment in health plans or eligibility for benefits.

Right to Revoke: I can change my mind and withdraw this authorization at any time by sending a written notice to the Principal Investigator to inform the researcher of my decision. If I withdraw this authorization, the researcher may only use and disclose the protected health information already collected for this research study. No further health information about me will be collected by or disclosed to the researcher for this study.

Potential for Re-disclosure: My individual health information disclosed under this authorization may be subject to re-disclosure outside the research study and no longer protected. Examples include potential disclosures for law enforcement purposes, mandated reporting or abuse or neglect, judicial proceedings, health oversight activities and public health measures.

This authorization does not have an expiration date.

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**Is there an expiration date for keeping my records?**

Study records will be kept indefinitely by the transplant center for re-analysis and follow-up. If you have questions about the keeping of your research records or access to your files, please call /name/ at /number/.

**Will researchers benefit from me being in this research study?**

Your doctors have no money invested and will not get any financial gain from this study. Presenting research results may help the career of a doctor. Therefore, the doctors running this research study may benefit when the results are presented at scientific meetings or in the scientific press.

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**Consent for Treatment:**

I have been informed about this study’s purpose, procedures, possible benefits and risks. I have been given a chance to ask questions and have had them answered to my satisfaction. I understand that I can ask more questions at any time.

I voluntarily agree to participate in this study.

By signing this consent form, I have not given up any of the legal rights which I otherwise would have as a subject in a research study.

\_\_\_\_\_  
*Signature of Subject* *Date*

\_\_\_\_\_  
*Print Name of Subject*

\_\_\_\_\_  
*Signature of Legally Authorized Representative* *Date*

**Certification of Counseling Healthcare Professional**

I certify that the nature and purpose, the potential benefits, and possible risks associated with participation in this study have been explained to the above individual and that any questions about this information have been answered.

\_\_\_\_\_  
*Counseling Healthcare Professional* *Date*

**Use of an Interpreter:** Complete if the subject is not fluent in English and an interpreter was used to obtain consent:

Print name of interpreter: \_\_\_\_\_ Date: \_\_\_\_\_

Signature of interpreter: \_\_\_\_\_

An oral translation of this document was administered to the donor in \_\_\_\_\_ (state language) by an individual proficient in English and \_\_\_\_\_ (state language). See the attached short form addendum for documentation.

## ASSENT FORM

### *A Multi-Center, Phase II Trial of Nonmyeloablative Conditioning and Transplantation of Partially HLA-Mismatched Bone Marrow for Patients with Hematologic Malignancies*

You have leukemia or lymphoma. Leukemia and lymphoma are cancers of the blood cells made in your body's "blood factory", which is called the bone marrow. These diseases are treated with special medicines. These medicines are called chemotherapy. They kill cancer cells. If chemotherapy doesn't kill all of the cancer cells, a special and stronger treatment called a transplant may be needed.

During some transplants, you receive a very large amount of chemotherapy medicines and radiation therapy to kill the cancer cells in your body. These chemotherapy drugs are so strong that they also kill many normal cells in your blood and bone marrow. In a mini-transplant you will still get chemotherapy medicines and radiation therapy, but you will get smaller doses of these medicines. A smaller amount of your cancer cells will be killed, but your body will be able to heal itself faster and attack the cancer cells. Your doctors think that a mini-transplant is the best treatment for you. They believe that it will increase your chance of cure.

Cells from the donor's bone marrow can be used in a transplant. Bone marrow contains blood-forming cells that can help re-grow your bone marrow after treatment with chemotherapy medicines and radiation. Bone marrow cells can be donated by a volunteer in your family who has a similar type of bone marrow as you do.

#### **Transplant Procedure**

Before the transplant, you will be given the drugs cyclophosphamide and fludarabine. These drugs will be given through a central line – an IV that will be placed in your chest. If you do not already have a central line, we will put one in as a surgical procedure (you will be asleep for this). A central line makes it easier for you to receive drugs and for drawing blood for tests (you will not be poked for blood or receive shots). You will also get radiation to your whole body the day before your transplant. After you have received these drugs and radiation, bone marrow will be given through your central line. When the blood gets into your body, you may feel sick to your stomach but that will go away quickly. You will be in the hospital for about four weeks after the bone marrow is given to you while we are waiting for the bone marrow cells to grow up inside your body and for you to recover from the chemotherapy and radiation. You will need to be on a number of medications during your transplant, which will either be given through your line or will be taken by mouth.

It will be necessary to check your blood and bone marrow after the transplant to make sure the bone marrow cells are growing in your body. Your doctors will do blood tests and bone marrow tests. Blood tests will also be done by taking blood through your line.

**Risks/Discomforts**

The drugs and radiation may cause hair loss, nausea and vomiting, and diarrhea. Your blood counts will fall and you may get fevers, infections or start bleeding. You may also get mouth sores. These are temporary and you will feel better as your new bone marrow grows.

During the period your new bone marrow is growing back after the bone marrow transplant, you may need to get antibiotics since you will not be able to fight infections. You may also need to get blood transfusions since your new bone marrow will not be making new blood cells right away. It is possible that your new bone marrow will not grow back. This is unlikely but if it did happen, it may even be necessary to do a second transplant. You may get graft-versus-host disease (GVHD), which happens when transplanted cells attack your body causing skin rash, vomiting, diarrhea and liver problems. These problems could be mild, or they could be very serious. Your doctors will do their best to make you feel better and keep you safe.

The above information has been explained to me. My questions have been answered.

I agree to participate in this study.

\_\_\_\_\_  
Patient

\_\_\_\_\_  
Parent

\_\_\_\_\_  
Physician

\_\_\_\_\_  
Witness

\_\_\_\_\_  
Date