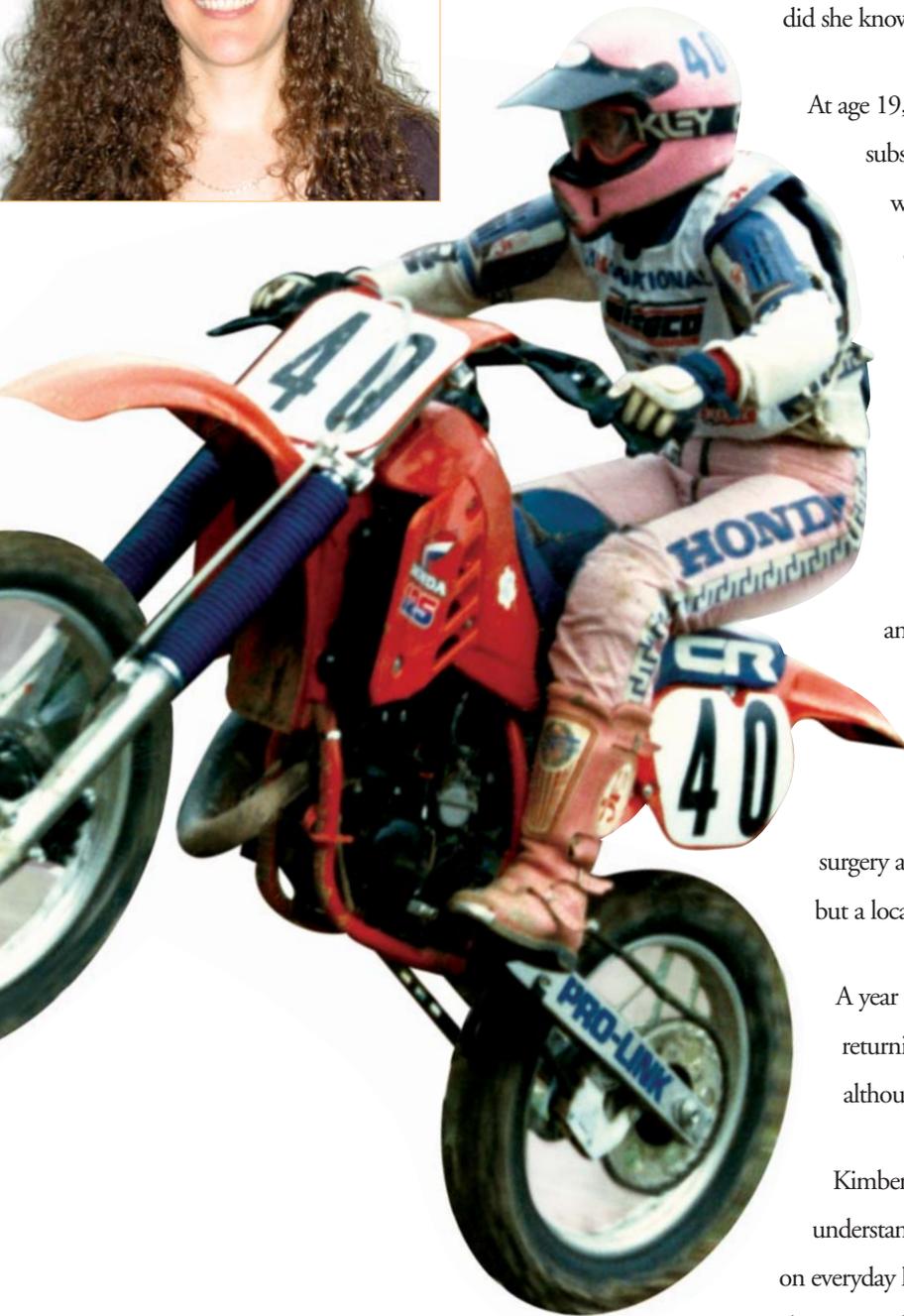


# Tissue Donation Helps Restore Athlete's Knee



When Kimberly Young arrived for a job interview at MTF, she knew the organization had something to do with transplants and she did have a donor sticker on her license. Kimberly was the successful candidate for the position but little did she know that soon she would also be a tissue transplant recipient.

At age 19, Kimberly loved to race dirt bikes, but one bad spill did substantial damage to her left knee. After an arthroscopic procedure, when her orthopedist warned that further surgery was needed, she said no. She thought she was too young and that a simple knee brace would do the trick but pain soon ended her racing. One day while at work, her knee simply gave out while walking down the hall and she found it difficult to do some of the tasks required for her job.

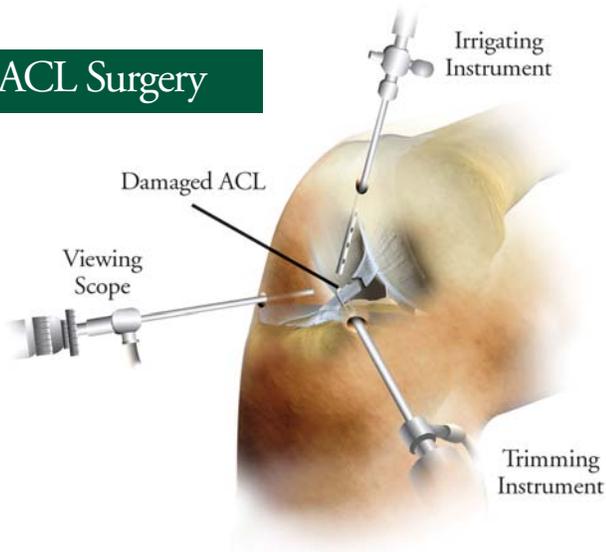
An MRI showed substantial damage to her left knee. The anterior cruciate ligament showed evidence of a chronic tear and surgical reconstruction with allograft was the only option.

Because of her work at MTF, she knew about allograft surgery. She also knew that the donor tissue required to reconstruct her knee was in short supply. As the date of surgery approached she worried that her surgery would be canceled, but a local donation occurred and her surgery was successful.

A year later Kimberly is doing great. She is free from pain and returning to some of the sports she loves like skiing and rollerblading, although dirt bike racing is out...at least for now.

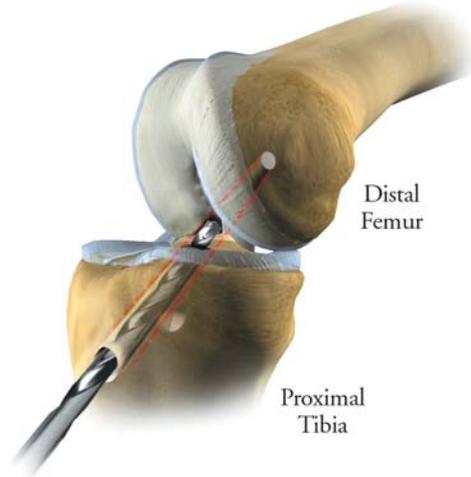
Kimberly is grateful for the gift of renewed health. She has a new understanding of the impact that donation and transplantation has on everyday lives and now she really understands the impact of her own decision to donate and how her work can help change lives for the better.

# ACL Surgery



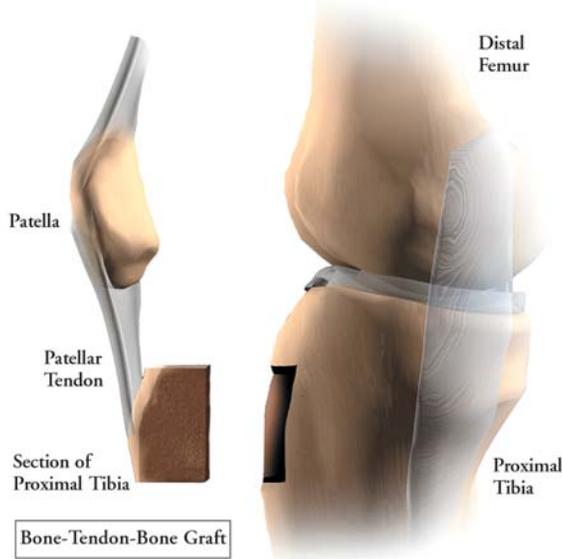
### Arthroscopic Instrument Placement for ACL Transplant

Several small punctures are made into the knee joint for placement of the arthroscopic instruments and the patient's damaged ACL is removed.



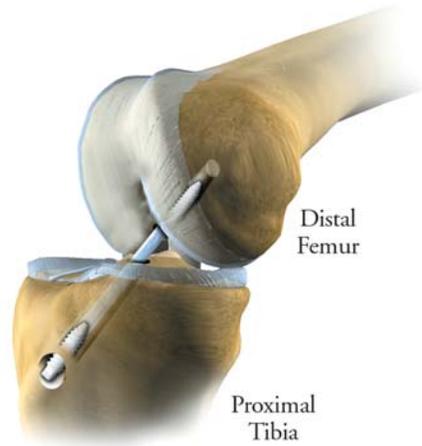
### Drill Hole Placement for ACL Transplant

Drill holes are placed in the proximal tibia and distal femur usually at the attachment sites of the original ligament.



### BTB Preparation for ACL Transplant

A section of donated patellar bone, patellar tendon, and proximal tibia are used to prepare a bone-tendon-bone (BTB) allograft used in transplant. Since this type of allograft is in such high demand, often the "BTB" is made into two separate allografts for two patients and these grafts are sometimes referred to as "hemi-patellar tendon" grafts.



### BTB Placement for ACL Transplant

A bone-tendon-bone (BTB) allograft using a donated patellar tendon is pulled through the drill holes and the allograft is secured with either metallic or bioabsorbable screws.

**MTF** Musculoskeletal Transplant Foundation

*Changing Lives Through Tissue Donation*

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The Musculoskeletal Transplant Foundation is a non-profit service organization founded by surgeons to provide quality tissue for allograft transplantation. MTF is AATB accredited and committed to excellence in education, research, recovery and care for recipients, donors and their families. As the world's largest tissue bank, MTF has provided over 2 million grafts since its founding in 1987.