

J34 Bone Marrow Transplant

August 2009

Intro: Over the last decade, medicine has seen great advances in the diagnosis and treatment of cancer. Many people with the disease are living longer and many are cured. That's thanks to cancer research and people who are willing to make sacrifices. Sacrifices such as donating bone marrow.

Video

Audio

Total running time 1:49

“THAT’S MY FAVORITE PRODUCT”...
HAND MADE SOAPS. AMY BROOKS
FIRST MADE THEM TO BATTLE THE
EFFECTS OF CHEMOTHERAPY AND
RADIATION.

CG :08 to :10
Amy Brooks
Had Leukemia

“YOUR SKIN REALLY TAKES A
BEATING.”

THE TREATMENT WAS HARSH, BUT
IT DID SEEM TO DELIVER THE
KNOCKOUT BLOW TO HER
LEUKEMIA. THEN ABOUT A YEAR
LATER DOCTORS TOLD AMY THE
CANCER CAME BACK.

“I’M LIKE, OH MY GOODNESS, CAN I
DIE? AND THEY’RE LIKE,
ABSOLUTELY. I WAS SOMEWHERE

CG :29 to :39

Dennis Gastineau, M.D.

Mayo Clinic

IN THAT 15-PERCENT CHANCE
SURVIVAL RANGE .”

AMY NEEDED A BONE MARROW
TRANSPLANT.

“THE TERM BONE MARROW
TRANSPLANT ALWAYS BRINGS UP
THE IMAGE OF SOMEONE GOING
INTO AN O.R. AND HAVING BONE
Marrow PUT IN. BUT IT’S NOT
THAT. IT’S ACTUALLY MORE LIKE A
BLOOD TRANSFUSION.”

DR. DENNIS GASTINEAU SAYS
BONE MARROW IS THE SPONGY
TISSUE INSIDE SOME BONES. IT’S
JOB IS TO PRODUCE BLOOD
CELLS. TO PREPARE FOR THE
TRANSPLANT, PATIENTS HAVE
CHEMOTHERAPY TO KILL THE
LEUKEMIA AND MALFUNCTIONING
Marrow. THEN TRANSPLANTED
BLOOD STEM CELLS ARE PUT INTO
THE BLOOD STREAM. IDEALLY THE
TRANSPLANTED CELLS BEGIN

PRODUCING NEW, HEALTHY
CELLS.

THE CELLS USED FOR
TRANSPLANTATION COME FROM
ONE OF THREE SOURCES:
HEALTHY PEOPLE CAN DONATE
MARROW FROM THEIR HIP BONE
WHICH REQUIRES A SURGICAL
PROCEDURE – OR THEY CAN
DONATE BLOOD STEM CELLS.
LAST, IF PATIENTS CAN'T FIND A
MATCHING DONOR, THEY CAN BE
TRANSPLANTED WITH STEM CELLS
FROM THEIR OWN BLOOD. IT
WORKS IF THEY'RE HEALTHY
ENOUGH TO GO THROUGH THE
COLLECTION PROCESS BEFORE
THEIR MARROW IS WIPED OUT
FROM CHEMOTHERAPY. THIS IS
WHAT AMY DID. IN A PROCESS
CALLED APHERESIS, A MACHINE
REMOVES ONLY STEM CELLS
FROM THE BLOOD. WHAT REMAINS

Standup
CG 1:38 to 1:45
Vivien Williams
Reporting

GOES BACK IN THE DONOR'S ARM.
AMY'S TRANSPLANTED STEM
CELLS WORKED.
"NOW, ELEVEN YEARS AFTER HER
BONE MARROW TRANSPLANT,
AMY'S NOT FOCUSED ON
LEUKEMIA, SHE' SFOCUSED ON
HER CUSTOMERS."
"WE'VE GOT A LOT OF NEW
PRODUCTS THIS YEAR."
FOR MEDICAL EDGE, I'M VIVIEN
WILLIAMS.

Anchor tag:

Every year many people can't have bone marrow transplants because they can't find a match or they can't use their own stem cells. There is a need for donations. If you'd like to learn more about bone marrow donation, go to....

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