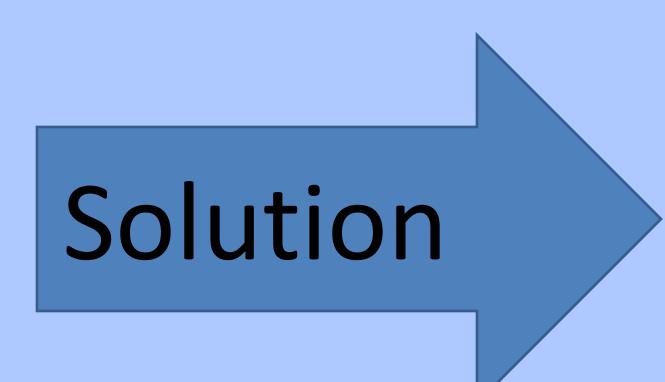
Problem

The public is unaware of the potency of umbilical stem cells, current research, and storage centers.

a new life = a 2^{nd} chance for that child or countless others



mbilical

5

tem

ell

wareness



Stem Cell: "One of the human body's master cells, with ability to grow into any one of the body's more than 200 cell types."

Pros

- -Less prone to rejection
- More effective
- Simple procedure (no risk to mother and child)
- Minimal graft-versus-host disease
- Less risk of transmitting an infectious disease
- Once in storage it can be easily accessed easily
- Much less controversial



Cons

- Expensive
- Not guaranteed to treat diseases later in life
- "Cord blood might contain genes of the same
- type that originally made a child ill, so using
- the cord blood wouldn't permanently cure the illness."

U.S.C.A.'s Mission

- -Targets women between ages 15-35 to inform them about their option to save their child's cord blood
- -Volunteers travel to Worcester high school health classes to promote umbilical stem cell awareness
- -Provides people the best option to keep their children healthy as well as information on the most ethical method of stem cell research
- Works with local governments and insurance companies to lower the price of private banking to make it more cost efficient
- To learn more visit U.S.C.A.'s website (http://web.me.com/jennid/USCA/Welcome .html)



remcellumbilicalcordblood.com/wp-content/uploads/2009/05/stem-cell-cancer.jpg

Success!

- "Toddler Saved By Japanese Stem Cells" (telegraph.co.uk)
- "Young Man Saved Saved from Cancer by Stem Cells from an Umbilical Cord Speaks Against Embryonic Stem Cell Research" (associatedcontent.com)
- "Four Leukemia Survivors Say Cord Blood Saved Their Lives" (clevelandcordblood.org)

Information

- -"Easy and painless to obtain"
- -"Low risk of disease transmission"
- "Less likely to be rejected than bone marrow cells"
- "Only 1 out of 4 siblings are a close enough human leukocyte associated antigen match."
- -Able to "reverse side effects of stroke in lab rats"
- Common as a therapy for some blood diseases
- Treats about 70 diseases, including Alzheimer's disease
- Only 22 states have hospitals that participate in umbilical cord blood donation programs that are free of charge
- Roughly 6,000 cord blood transplants have occurred globally
- Each donation provides one unit of cord blood
- Cord blood transplants can take as little as a week
- For Private banking initial fees range from \$900-\$1,500, and annual fees around \$100 (2008).
- In 1993 people began to realize that saving cord blood was more feasible than the cord itself.
- ~ The cord can only be stored for about 5 years until tissue damages ensues
 - ~ Cord blood stored in liquid nitrogen can be saved indefinitely

