

WE  
DON'T  
NEED TO  
DESTROY  
LIFE FOR  
MEDICAL  
PROGRESS

"We believe most would agree that human embryos deserve respect as a form of human life..."

"In our judgment, the derivation of stem cells from embryos remaining following infertility treatments is justifiable only if no less morally problematic alternatives are available for advancing the research."

— President Clinton's National Bioethics Advisory Commission  
on stem cell research, September 1999

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## ARE LESS MORALLY PROBLEMATIC ALTERNATIVES AVAILABLE?

### Consider...

#### Juvenile diabetes

Fifteen patients with Type 1 (juvenile) diabetes became "insulin free" after receiving transplants of adult pancreatic islet cells. Nine patients (who were treated up to two years ago) remain healthy without insulin injections.

— Report at annual meeting of the American Diabetes Association, June 24, 2001

#### Spinal cord injury

A young American woman paralyzed by a car accident has begun to recover movement in her toes and legs, following the injection of her own immune-system cells into her severed spinal cord. A news report says this breakthrough "is now generating hope for those with spinal-cord injuries around the world."

— "Paraplegic regains movement after cell procedure," *Toronto Globe and Mail*, June 15, 2001

#### Immune deficiency

In the first great success in human gene therapy, two French children born without immune systems were able to leave their sterile environment and lead normal lives. They were treated with their own bone marrow stem cells, which were modified to restore the missing gene for a healthy immune system.

— *Science and The Washington Post*, April 28, 2000

#### Corneal repair

Several patients who were legally blind can see more clearly again, thanks to adult stem cells. The patients' own corneal stem cells were used to reconstruct their damaged corneas.

— *New England Journal of Medicine*, July 13, 2000

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By contrast, stem cells obtained by destroying human embryos have provided no benefit to any human patient.

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Let's fund promising medical research  
that everybody can live with.