

CALIFORNIA RIGHT TO LIFE EDUCATION FUND

P.O. Box 4343, Walnut Creek, CA 94596-4343
(925) 944-5351

E-Mail: callife@calright2life.org

Web Site: www.calright2life.org

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Artificial blood made from Human stem cells could plug the donations hole

Donating blood is a part of life for many people. But blood banks around the world struggle to meet the demand for blood in hospitals and surgeries. Currently, stocks are stable, although the blood banks are always trying to recruit new donors.

Artificial blood may be the solution. Researchers are working on potential new technologies to secure blood supplies in the future, including "artificial blood."

Mass-produced and clean

Mark Turner, medical director of the Scottish National Blood Transfusion Service, is looking into how blood could be synthesized in the future.

"We've known for some time that it's possible to produce red blood cells from so called adult stem cells, but you can't produce large amounts of blood in that way because of the restrictive capacity of those cells to proliferate," he explains. What scientists can do, he adds, is to derive pluripotent stem cells - stem cell lines.

These cells are processed in the laboratory to produce a larger numbers of cells, said Turner.

"It may be possible in due course to manufacture blood on a very large scale, but we're a very long way from that at the present time," he says. "At the moment, our focus is on trying to achieve production of red blood cells which are of the right kind of quality and safety, that they would be fit for human trials."

From the lab to clinical trials

Turner says we are still decades away from being able to industrially produce blood on a scale which is both inexpensive and safe.

"The differentiation process is very complex, you have to recapitulate to a certain extent the entire development that those cells go through from the very

early embryo down to you or me," Turner points out. Five or six different culture environments have to be applied sequentially, and then it takes about 30 days to produce red blood cells, he says.

"The task we face now is to take that laboratory-based process to a manufacturing environment where the nature of the control, the quality control and the regulatory compliance are an order of magnitude greater. The process needs to be more tightly controlled, he says, but so does the cost of production. "There's no point in producing a million blood cells for a million pounds - nobody is going to use it!"

Ethics unproblematic

Most developed economies have sufficient blood supplies for the population's needs, but very many people around the world do not have access to sufficient, safe blood supplies.

About 50 percent of the blood available worldwide is used by the 15 percent of the population privileged enough to live in very advanced economies, Turner says.

"An estimated 150,000 women each year still die of postpartum hemorrhage - that is hemorrhage after birth - and many could be saved in those countries if there were adequate blood supplies."

An additional bonus: the stem cells being used in the research appear to be unproblematic ethically. "One source of stem cells has traditionally been embryos, but some people are against the use of embryos in research," says Professor John Harris of Bioethics at the University of Manchester. He adds people needn't worry about this technology because the cells are not sourced from embryos; they're sourced from the skin cells of adults.

The professor explains that the cells are reprogrammed to a pluripotent state, which is the state before the cells specialize.

At a certain stage, they start to specialize and become part of the body, he says.

"This so-called artificial blood is not artificial, of course, because it is blood manufactured from human cells."

And assuming it is safe Professor Haris sees no problem with the method. Mass-manufactured blood could be used worldwide to treat even those people who may have ethical or religious concerns about traditional stem cell research.

Article excerpted from: <http://www.dw.de/artificial-blood-made-from-human-stem-cells-could-plug-the-donations-hole/a-17676598>

Premature Births Have Skyrocketed Since the Legalization of Abortion

by Jill Stanek

It is one of those obvious connections I cannot comprehend the world not seeing. Actually, liberals, media, and feminists are covering it up, which is why the rest of the world can't see it. They're not being told.

At least 59 studies¹ to date confirm that forcibly opening a woman's cervix to commit an induced abortion can lead to an incompetent cervix for subsequent births. Even without studies to back that fact up, it's just common sense.

Other known medical conditions than can lead to premature births and may be related to abortion include "uterine adhesions, infection, mental stress, increased maternal age, and substance abuse," quoting LifeIssues.net. Premie births have skyrocketed since the legalization of abortion in the U.S. in 1973. According to the American Association of Pro-Life Gynecologists and Obstetricians:

Premature birth (birth before 37 weeks) has increased 27% since 1981. In 2007 the premature... rate in America was 12.6% of all live births (and over 17% of all African-American births).

With all that in mind, read this maddening, heartbreaking June 10 Bloomberg article:

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<https://www.aaplog.org/complications-of-induced-abortion/induced-abortion-and-pre-term-birth/general-comments-on-the-increased-risk/>

While infant mortality fell for decades across the U.S., progress bypassed Detroit, which in 2012 saw a greater proportion of babies die before their first birthdays than any American city, a rate higher than in China, Mexico and Thailand. Pregnancy-related deaths helped put Michigan's maternal mortality rate in the bottom fifth among states. One in three pregnancies in the city is terminated.

Women are integral to the city's recovery. While officials have drawn up plans to eliminate blight, curb crime and attract jobs, businesses and residents, they're also struggling to save mothers and babies. The abortion patients awaiting ultrasounds at the Scotsdale Women's Center and the premature infants hooked to heart monitors at Hutzel Women's Hospital must be cared for before the bankrupt city can heal itself....

That last sentence is insane and barbaric, lumping together the murder of babies with the critical care of babies as the foundational means to "heal" Detroit?

A campaign called "Make Your Date" begun last month is the latest attempt to prevent premature births, the leading cause of infant deaths, with hormone therapy and counseling....

Detroit's crisis is a foot on the neck of women and children. Mothers' obesity, diabetes, poverty-related stress and poor nutrition can harm infants even

before they are born.

No mention of abortion, the elephant in the room.

Abortion kills future Black siblings

While the raw number of births declined with the population, children have grown more likely to be raised in female-headed households, in high-poverty neighborhoods and to rely on public assistance...

Blacks composed 84% of residents in 2010, according to the census.

Black babies in neighborhoods with the lowest poverty level are more likely to die than white infants in neighborhoods with the highest poverty, according to a state report last year. In 2010, non-whites made up 21% of MI's population but 43% of infant deaths. "Reducing these disparities requires an explicit focus on the role of race," the report said.

One obvious answer would be to encourage self-respect and abstinence among Detroit's black youth.

One obvious answer would be to encourage self-respect and abstinence among Detroit's black youth. This would go a long way toward solving Detroit's abortion crisis, premature birth crisis, and poverty crisis.

Abortion surge

The end of many Detroit pregnancies is intentional.

In 2012, Detroit women had 5,693 abortions out of 18,249 pregnancies, according to state statistics. The rate rose to 37.9 per 1,000 women that year, up from 27.5 in 2001....

Abortion patients from Detroit said in interviews last week that they were unable to afford birth control.

"I can make ends meet, but have no room to save," said Cook, who was 12 weeks and four days pregnant.

Her father and two friends helped pay the \$275 she owed for the procedure at the Scotsdale Women's Center on the northwest side, she said, and her sister drove her there.

It's utter fallacy to claim a woman cannot afford birth control. There's government funding for free contraception through various means.

Whatever, the 60-year push to have wanton sex, using contraception to prevent pregnancy, has proven to be an utter failure.

Many women don't learn about family planning, or are encouraged by peers or relatives to have babies when young or unmarried, said Danita Jackson, a social worker at Cody High School. She recalled a tearful talk with a 15-yr-old who bore a second child 10 months after her first.

That's just nuts. Promoting self-respect and abstinence should be a no brainer. But sexual freedom is the Left's Holy Grail, and the hoops it will encourage people to jump through rather than teach those virtues are dangerous and deadly.

Jill Stanek fought to stop "live birth abortions" after witnessing one as an RN at Christ Hospital in Oak Lawn, Illinois. That led to the Born Alive Infants Protection Act legislation, signed by President Bush, that would ensure that proper medical care be given to unborn children who survive botched abortion attempts.

<http://www.lifenews.com/2014/06/13/premature-births-have-skyrocketed-since-the-legalization-of-abortion/>

Around the Office

by

Do you know someone who might be considering abortion?

Make sure they get the facts first!

A LIFE depends on it...

1-800-712-HELP (4357)

Website: <http://www.optionline.org/>

Cecelia M. Cody, Administrative Director

Our "class" of 2014 Pro-Life High School students have now graduated, and will be heading off to various colleges in the next couple of months: some local, others going as far away as Drexel University in Philadelphia. We wish them all the best. We also welcome back some of our returning college students for the summer, and hope to do a "reunion mall table" before everyone heads off to college again in the fall.

We have been busy doing tables. As some of our students were going through graduation ceremonies on Friday June 6th, another group of our student volunteers was out at Sunvalley Mall all day. It was a very inspirational day; a number of people came by our table to talk with us, and took our materials.

I get excited when I see one of the bumper stickers we handed out at an information table on a car as I run errands. Do you have a bumper sticker on your car? Contact our office and let us know the general message you would like, and we will try and get you a bumper sticker with that message, or contact our office for the date of the next mall table in your area, and stop by and choose a bumper sticker. We just received an order of over 50 bumper stickers that proclaim a message of "Vote your Values – Vote Pro-Life" for the upcoming election.

Precious feet pins and precious preborns continue to be very popular! Do you have one? Are you looking for a pamphlet on a life issue? Does your church have a pamphlet rack that could use some pro-life literature? Once again contact our office for whatever supplies you might need. We have an array of literature on various life topics from fetal development and abortion methods, to "what is stem cell research" to POLST (if you don't know what that is, contact our office for a brochure – teaser: not knowing could cost you or someone you know your/their life!) and abstinence literature. We recently added a beautiful magazine format handout on end of life issues.

Our phone bill has increased 30% in the past year, which means more people are contacting our office for assistance. Cecelia Cody reports a slight increase in women calling about abortions. However most of the increase is students requesting guidance and materials for school projects, as well as you our members looking for information. It is always exciting when we are able to provide a student or teacher with website recommendations and/or materials for a classroom presentation, knowing that the message will ripple out, and be proclaimed to dozens of people at one time.

We couldn't do this without the generosity of our donors. We thank you, especially our monthly donors. And also let us thank our student volunteers for the numerous hours they donate, both at mall tables, as well as their efforts in leading campus pro-life clubs, and proclaiming the message of life to their peers with their quad tables. The youth are full of enthusiasm and energy; we try and provide them with the much needed materials!

Calendar of Events

***For the latest updates of events see
www.calendarforlife.org***

WHO IS CALIFORNIA RIGHT TO LIFE?

This is the newsletter of **California Right to Life Education Fund**, a 501-c-3 organization established to educate the public about pro-life issues. Donations to the EDUCATION FUND are **tax-deductible** and can be sent to P.O. Box 4343, Walnut Creek, CA 94596-0343.

California Right to Life **Committee, Inc.** is a 501-c-4 organization providing information on legislative issues affecting the right to life, and pro-life political advocacy. **CRLC, Inc. is not permitted**, under IRS regulations, to offer a tax deduction for donations. \$24.99 annually is requested for a subscription to the CRLC legislative email updates list and can be sent to 1920 Monument Blvd #309, Concord, CA 94520.

Both are affiliates of American Life League, headed by Judie Brown, and share the same "no-exceptions, no excuses" beliefs and the same dedication to promoting the Culture of Life, respecting all innocent human life from the single-cell stage to natural death.

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