

June 2013 Newsletter

- 1) **Did you know that some vaccines are made using aborted fetal cells?** On June 24, we sent a survey to 3,738 people on our email list asking this question. Of the 1,138 people who have taken the survey so far, 23% (298) did not know that some childhood vaccines, as well as the shingles vaccine and a rabies vaccines, are manufactured using aborted fetal cell lines. Once people know how vaccines are manufactured, 94% of them do not feel comfortable using vaccines made in aborted fetal cell lines. The information is difficult to obtain because many pediatricians and other doctors do not know that the vaccines are manufactured using aborted fetal cells. This survey shows that we must do a better job of keeping people informed!
- 2) **Did you know that those vaccines are contaminated with DNA, cellular debris, and in some cases, a retrovirus from the aborted fetus?** Surprisingly, only 50% of respondents said they were aware that some vaccines are contaminated with aborted fetal DNA and cellular debris. This response has let us know that we must do a better job explaining to people where the contaminants come from!
- 3) **Our newsletters can keep you informed and up-to-date. Please read the whole newsletter so you don't miss anything that you might want to know.**

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Dr. Theresa Deisher, President, Sound Choice Pharmaceutical Institute

How are most vaccines manufactured?

In general, a vaccine is a vial that contains a virus, a liquid buffer, and contaminants from the cell line that was used to manufacture the virus. Some vaccines also contain preservatives or adjuvants, such as thimerosal or aluminum. The viruses to be used in the vaccines are manufactured in cells or cell lines because it is too expensive to manufacture them synthetically (i.e., in a test tube). So the manufacturers take advantage of the natural way that viruses replicate by infecting cells or cell lines with the virus and then harvesting the virus after it has replicated itself thousands or millions of times. This can be done using what are called 'primary' cells, such as the chick eggs that are used each year to make flu vaccines. It can also be done using what are called 'cell lines'.

A cell line originally comes from a live animal or organism (the primary cells), but then is modified through viruses or genetic engineering so the cells can be grown in the laboratory for years or even decades. When the source of a cell line is an electively aborted human fetus, manufacturers call these "human diploid cell lines." If you see this term or MRC5 or WI38 on the package insert of a vaccine or a drug, or listed in the ingredients of a cosmetic, the cell line was derived from an electively aborted baby.

Why do I stress electively aborted? I stress this because some people mistakenly think that human diploid cell lines had been made from spontaneous miscarriages. This is

not true. Material from spontaneous miscarriages is seldom, if ever, useful for biomedical research, because miscarriages take place over days, and by the time the miscarriage is complete the organs and the cells are largely non-viable. To efficiently make cell lines from fetuses or to do biomedical research, the processing must be planned and the material must be fresh. Furthermore, the unborn babies and parents are screened before the abortion to ensure that there are no genetic anomalies, no viral infections, or any other concern that would render the aborted baby as unfit for biomedical purposes. You can read a bit about this on pages 91-95 in the meeting minutes from the FDA that are linked below. Even the scientist admits that "it sounds a bit commercial". (http://www.fda.gov/ohrms/dockets/ac/01/transcripts/3750t1_01.pdf) A list of the vaccines made using cell lines that were obtained from electively aborted fetuses is available for download from our website at: <http://soundchoice.org/aborted-fetal-products/>

Sound Choice Survey Results: 23% of respondents were not aware that that some vaccines are made using aborted fetal cells.

Think about how many people in our country- in our world- do not know about this. Only 31% of our survey respondents had been aware of this for 5 years or more. 60% of our

respondents said they would pass the survey on to between 1 and 25 people. If those people then passed the information on, and on, think how many people we could inform. This is something that everyone should know about, and something that everyone, regardless of their position on abortion should care about. Not only does this practice dishonor the remains of a human being, but when we use these vaccines we are also injecting our children with residual contaminants from the fetal cells.

90+% of our respondents said they would pass this on to friends and family while 78% said they are likely to pass the survey onto their pediatrician. It is critical that doctors know what is in the vaccines they are administering to children. Today, their patients are receiving up to 10 shots with aborted fetal contaminated vaccines, starting as early as 2 months of age.

Why are the vaccines contaminated with aborted fetal DNA, cellular debris and retroviral fragments?

The contaminants are present because the manufacturing processes cannot eliminate them economically from the final product. Does anyone remember high school or college chemistry? Then you will probably recall that there is a trade-off between the amount of product one can make and how pure one can make that product. It is so difficult, in fact, for the manufacturers to remove the cell/cell line contaminants in vaccines that the WHO and FDA have relaxed their limitation guidelines on contaminant 100 fold.

Even though only 22% of our respondents were aware that some vaccines are manufactured in aborted fetal cell lines, 50% were aware that some vaccines are contaminated with aborted fetal DNA and other debris. These contaminants come from the cell lines that were made from electively aborted fetuses. While newly aborted fetuses are not used in the day-to-day manufacturing process, they are used daily by some scientists in their labs and experiments.

(<http://www.bizjournals.com/seattle/search?q=%22Sound+Choice+Pharmaceutical+Institute%2&title=title%3D%20title=>)

Are you concerned that human fetal contaminants in vaccines may be linked to autism?

81% of our respondents know someone who has autism or who has a close relative that has autism. Once they learned about the

human fetal contaminants in vaccines, 84% of our respondents said that they were concerned that the contaminants may be linked to autism. At Sound Choice we are concerned that the contaminants may be linked to autism as well. Our research shows that introducing a vaccine manufactured using aborted fetal cell lines is associated with every 'change point' for autism disorder that can be calculated. A change point is a statistically derived birth year for which autism disorder takes a steep rise. Change points point to environmental factors as triggers for disease epidemics, and human fetal manufactured vaccines are the most closely associated environmental factors for the autism disorder epidemic we are seeing.

Not only are the change point years associated with the introduction of human fetal manufactured vaccines, but additionally, the number of children diagnosed with autism for each birth year can be directly correlated to the number of children who are immunized with these vaccines. At Sound Choice, we think it is time to do something about this, which is why we have launched a program to develop alternative cell lines to replace the aborted fetal vaccines. We cannot do this without the support of each and every one of you.

Aren't vaccines manufactured in animal cells or animal cell lines contaminated with animal DNA and cellular debris?

Yes, they are. Again, the manufacturing process cannot economically remove all of the material from the cell or cell line that is used to manufacture the vaccine.

Why wouldn't the animal DNA and cellular debris be a concern?

The animal DNA and cellular debris would not be a concern because the residuals from the animal cells or cell lines are not human residuals. Because of that, when they are present in the vaccine, a human body would recognize them as foreign and mount an immune response that eliminates them. Suppose for some reason that a child did not mount an immune response and eliminate the contaminants; would the DNA be dangerous? Could it insert into our genomes? Would we grow chicken wings?

No, the DNA would not insert and we would not grow chicken wings. Natural DNA made in cells or cell lines is decorated in a species specific manner. Even though all DNA is basically A-G-C-T, cells attach various proteins and other molecules to the DNA in a way that is species specific and prevents DNA from being integrated into another specie's DNA.

An exception to this are some viruses, particularly retroviruses, which can insert into other specie's DNA and can bring other genes along with them. Viruses, however, have specialized regions of DNA called 'long terminal repeats' that allow them to insert their DNA into the host genome. Viruses are also not a species, and their DNA decorations are very primitive, which allows them to insert into other specie's genomes. Chicken DNA fragments do not have 'long terminal repeats' and are not primitively decorated and therefore cannot do this.

Why would the human fetal DNA and cellular debris be a concern?

The human fetal DNA and cellular debris is a concern for several reasons. First, it is human, but not identical to the child receiving the vaccine. One thing that can happen is that the child could have an immune response to the contaminants that turns into an auto-immune attack. For example, the contaminating DNA is not the child's, so the immune system might recognize the DNA as foreign. Yet, the DNA is human, and much of our genome is repetitive identical sequences. Therefore, the immune response to the contaminating DNA could then turn on the child's own DNA that might be exposed. After birth, and within the first 3 years of life generally, a significant number of nerve cells die off, releasing large amounts of DNA. This has been studied in rats and other animals. If a child has developed an immune response to the contaminating DNA, this immune response could turn into an attack on the child's own brain when these nerve cells die off. That is just one potential danger.

The other danger we are concerned about is the potential for the human fetal DNA fragments to get into a cell, particularly a stem cell, to be taken up in the nucleus, and to be inappropriately integrated into the child's genome. This would lead to mutations and could have significant functional consequences, like autism. Scientists know that this can happen because they have been trying to do this deliberately in the field of gene therapy. What scientists have learned by trying to do gene therapy is that short fragments of DNA are taken up readily and can integrate with efficiencies up to 20%, which is not a rare event.

In the past 2-3 years scientists from places like Stanford, Harvard, Yale, Columbia and the University of Washington have published the observation that children with autism disorder have hundreds of diverse mutations, called de novo mutations, in their genomes that they did not inherit from their parents. It is possible that the human fetal DNA contaminants that children are almost universally exposed to as many as 10 different times caused those new mutations.

We believe it's time to manufacture safe, effective vaccines without using aborted fetal cells thimerosal or other potentially dangerous compounds like aluminum - and we need your help! Please support our efforts and let others know about this important work!

Not on our mailing list? [Sign up today.](#)

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Your **recurring** monthly donations are so appreciated!

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