Morality, Efficacy, and Safety of COVID-19 Vaccines

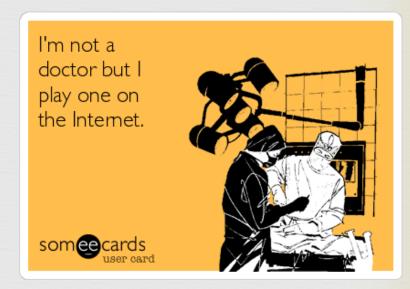
03

Pamela Acker, MS
Author of Vaccination: A Catholic Perspective

Introduction

03

- ∇accine research: 2010-2011, Rao Lab, CUA
- Master's degree in biology
- Far too much time reading literature



A Brief Outline

03

- In this presentation, I propose to answer the following questions:
 - Are the COVID-19 vaccines moral?
 - Are the COVID-19 vaccines effective?
 - Are the COVID-19 vaccines safe?

Vaccines and Aborted Fetal Cells



Children of God for Life is the pro-life worldwide leader in the campaign for ethical biomedical research and commerce that preserves the dignity of human life.

Abortion-Tainted Vaccines for US and Canada and Ethical Alternatives

DISEASE	PRODUCT NAME	MANUFACTURER	FETAL CELL LINE	ETHICAL VERSION	MANUFACTURER	CELL
71027102	Adenovirus 4, 7	THE TOTAL CONTENT	TETAL CELEBRATE	ETHIOTE VERSION	WWW. CONCRETE	CLLL
ACUTE RESPIRATORY	Oral	Barr Labs	WI-38, HEK-293	None	NA	NA
	0.0.		,			
CHICKENPOX	All Varivax, Varilrix	Merck, GSK	WI-38, MRC-5	None	NA	NA
		Moderna, Pfizer,	HEK-293,			
COVID-19	See here.	J&J, AstraZeneca	PER.C6	None	NA	NA
			HEK-293,			
EBOLA	Advac, VSV-EBOV	J&J/Cruc, BioProt	PER.C6	Ervebo (rVSV-ZEBOV) 2-2020	Merck	Vero
	Vaqta, Havrix,	Merck, GSK, Sanofi,		Aimmugen (None in US or	Kaketsuken (Japan	
HEPATITIS A	Avaxim, Epaxal	Berna	MRC-5	Canada)	Only)	Vero
HEPATITIS A&B,		GSK, Sanofi		Engerix Hep-B Only, Recombivax		
HEPATITIS A&TYPHOID	Twinrix, Vivaxim		MRC-5	Hep-B, TyphimVi	GSK, Merck, Sanofi	Yeast
INFECTION						
PREVENTION	G-CSF	Octapharma	HEK-293	Neupogen, Zarxio	Amgen, Sandoz	E-coli
MEASLES, MUMPS,			RA273, WI-38,		Mitsubishi,	Egg,
RUBELLA	MMR, Priorix	Merck, GSK	MRC-5	MR+M (Japan Only)	Kitasato	Rabbit
			RA273, WI-38,	Attenuvax (Measles Only)* AIK-	Merck, Kitasato,	Egg,
MEASLES-RUBELLA	NR Vax, Eolarix	Merck, GSK	MRC-5	C+R, Tanabe (Japan)	Mitsubishi	Rabbit
MUMPS-RUBELLA	Biavax II	Merck	RA273, WI-38	Mumpsvax (Mumps Only)*	Merck	Egg
					Mitsubishi,	Egg,
RUBELLA	Meruvax II	Merck	RA273, WI-38	Matsuura, Takahashi (Japan)	Kitasato	Rabbit
	ProQuad/MMR-V,		RA273, WI-38,			
MMR+CHICKENPOX	Priorix Tetra	Merck, GSK	MRC-5	None	NA	NA
RABIES	Imovax	Sanofi	MRC-5	RabAvert	GSK	Egg
SHINGLES	Zostavax	Merck	WI-38, MRC-5	Shingrix	GSK	Hamster
SMALLPOX	Acambis 1000	Acambis	MRC-5	ACAM2000, MVA3000	Acambix, Baxter	Vero

Note: ImmuneGlobulin shots will provide temporary immunity (4-6 months) for Hepatitis-A and Rubella (3-4 months).

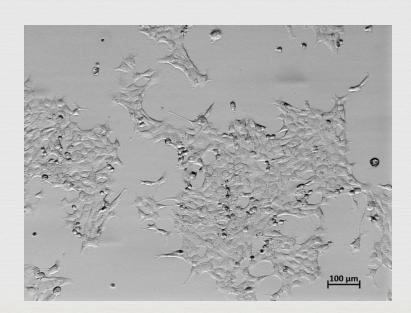
^{*}Ethically produced separate doses of measles and mumps vaccines are unavailable. Merck stopped providing them.

If the vaccine you are questioning is not listed, then to our knowledge it is not abortion-tainted.

Why Use Cell Lines?

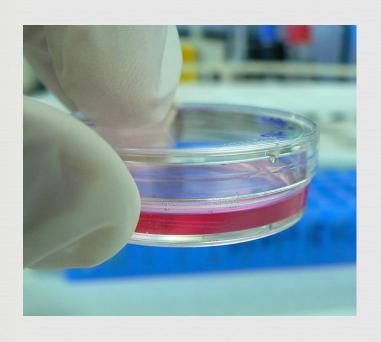
03

- Can grow much longer than primary cell culture
- Clonal population allows standardization
- Simple model for complex systems
- **○** Cost-effective



How Cell Lines Are Made





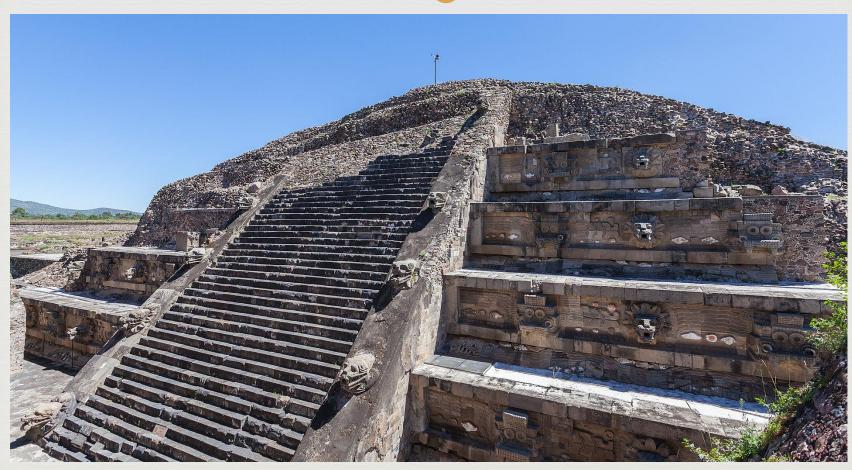
- Oncogenes/tumor suppressor genes are inserted in the cells to keep them dividing.
- Original cells come from one organism; cells must be living.
- "Immortalization" does not make the cells truly immortal – it just prolongs their shelf life.

03

"A new approach was made by the use of 3- to 4-month old human embryos, obtained aseptically via Cesarean section."



03



03

"Whenever possible the embryo was removed from the amniotic sac under sterile precautions, transferred to a sterile towel and kept at 5°C until dissected."

CB

Pre-term babies have a unique tolerance for hypothermia.

Avg survival after live abortion: 3 hours at room temp Avg survival at 5°C: 4-5 hours

Most of the polio babies were dissected 1-3 hours after the abortion.

03

The baby from which the rubella virus was obtained: "Fetus was surgically aborted 17 days after maternal illness [rubella] and dissected immediately."

Number of abortions for the rubella vaccine:

- 32 for the fetal cell line
- 3 67 for the virus
- **99** in all

CS

"research on **living human fetuses** played a significant role in each"

Modern Fetal Research



- **Karolinska** Institute
 - Mail-order fetal tissue for research
- **A** Humanized mice
- Research Embryonic stem cell research

What is the justification for all these abominations? The use of aborted fetal cells in "life-saving vaccines."

Fetal Cell Lines and Abortion

03

Why abortions and not miscarriages?

Alvin Wong, National Catholic Bioethics Center: "Not only is it easier administratively to receive cells from induced abortions of normal pregnancies than from spontaneous miscarriages, it may also be scientifically more advantageous to use tissue from induced abortions, which are "healthier," since the majority of fetuses are usually genetically normal and aborted for social reasons.

Dr. C. Ward Kischer, University of Arizona College of Medicine: "In order to sustain 95% of the cells, the **live tissue would need to be preserved within 5 minutes** of the abortion [...] within an hour the cells would continue to deteriorate, rendering the specimen useless."

Fetal Cell Lines and Abortion

03

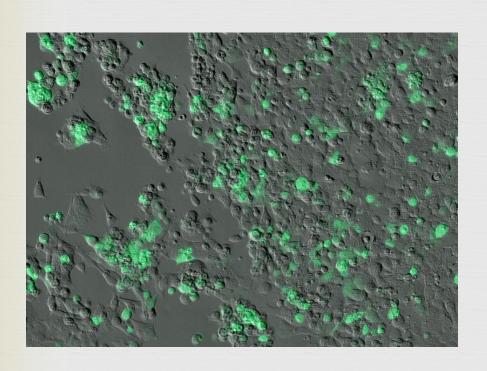
Dr. Gonzalo Herranz, University of Navarra, Spain: "The correct way consists in having recourse to Caesarian section or to the removal of the uterus. Only in this way can bacteriological sterility be guaranteed."

"to obtain embryo cells for culture, a programmed abortion must be adopted, choosing the age of the embryo and dissecting it **while still alive** in order to remove tissue to be placed in culture media"

James Bardsley: "We have to process the tissue within minutes of the time of death."

HEK-293



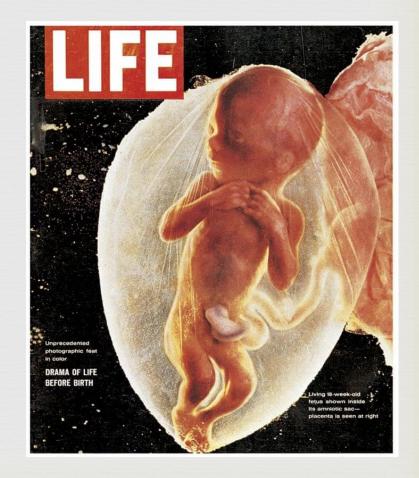


- Abortion in 1972; cell line made in 1973
- ✓ Used widely in scientific research in a variety of fields

PER.C6



- Abortion in 1985; cell line made in 1995
- Retina tissue from an 18-week baby
- Produced specifically for commercial use in adenovirus culture



Do COVID-19 Vaccines Use Aborted Fetal Cells?

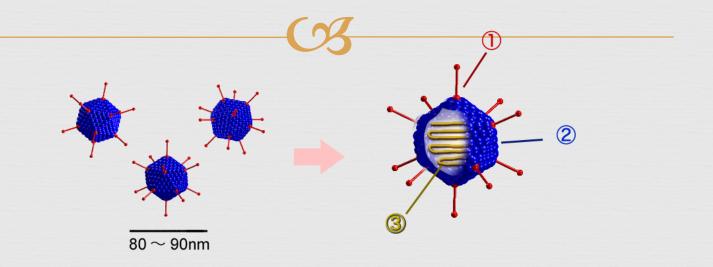
CS

Full list available at cogforlife.org/guidance

- Moderna: developed and tested in HEK-293

- □ Johnson & Johnson: manufactured in PER.C6
- Novavax: developed and tested in HEK-293

Manufactured in HEK-293/PER.C6

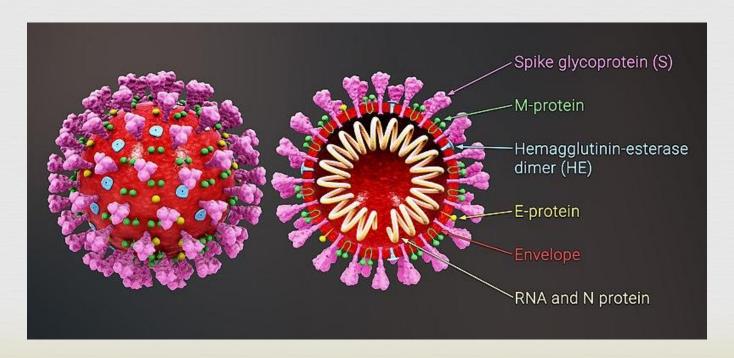


- Replication incompetent adenoviruses are grown in HEK-293 or PER.C6 cells that contains mutations that allow the viruses to fully assemble *in vitro*; the whole virus vectors are then harvested from the aborted fetal cells.
- These vaccines WILL contains aborted fetal DNA fragments
 Chickenpox vaccine contains twice as much aborted fetal DNA as it contains active ingredient to immunize against chickenpox

Tested in HEK-293

03

Modifications to the spike protein were designed and genetically engineered *in vitro*; the 3-D structure was then expressed and verified in HEK-293 cells.



Tested in HEK-293

CB

- HEK-293 cells were used to test delivery of the vaccine via lipid nanoparticles. (Moderna)
- ACE-2-overexpressing HEK-293T cells were used to create pseudoviruses for a neutralization assay to detect the presence of antibodies. (Pfizer and Moderna)

Appropriation of Evil

03

The basic structure of the actions involved in cooperation and appropriation problems is the same. In both types of cases, an auxiliary agent performs an action that somehow facilitates or supports the principal agent's efforts in performing his or her own action. What is different in each case is the respective identities of the agent facing a moral decision about whether or not to go forward with a particular action, and the agent who has already decided to perform a morally objectionable act. In short, in cooperation cases the auxiliary agent is the morally conscientious decision-maker who must decide what to do in light of his or her prospective action's likely contribution to an evil act performed by the principal agent. In appropriation cases, the roles are reversed. Here, it is the principal agent who is the morally conscientious decision maker, who must decide whether to go ahead with an action that makes use of the fruits or byproducts of a morally objectionable act performed by the auxiliary agent.

Appropriation of Evil

03

In cooperation cases, the evil to be done is prospective; the cooperator's action causally contributes to the execution of the illicit action by the principal agent. From a perspective that focuses on the external dimension of human acts, cooperation problems are obvious; we can see how the cooperator's action fuels the evil act of another agent. But such a perspective renders the moral dangers of appropriation virtually invisible. Appropriators make no causal contribution to the evil action whose fruits or by-products they appropriate; generally speaking (but not always), at the time they confront the decision about whether to act, the evil act has already been done. The main effect of a decision to appropriate the evil action of another is internal; by choosing to tie their action to the evil act of another, appropriators shape their characters in a way that may not have immediate, tangible consequences in the external world. In short, the immediate impact of the decision to appropriate the illicit act of another is a deeply interior one; it alters the character of the appropriator.

--Kaveny, MC. Appropriation of Evil: Cooperation's Mirror Image, *Theological Studies*, Jun 2000; 61: 284-286.

Vaccine "Efficacy"?

03

Dr. Peter Doshi, editor of BMJ

Pfizer's original trial:

8 cases of COVID among vaxxed

162 cases of COVID among unvaxxed

Efficacy of "95%"

The study threw out "suspected" COVID cases:

1594 in the vaccine group

1816 in the placebo group

Even if we **throw out** the first week as "vaccine rxns," the maximum efficacy of the Pfizer vaccine was **actually 29**%

Dr. Shane Crotty

03

- May be 5 years before we really understand what markers indicate COVID-19 immunity
 - Compartments of immunological memory change over time.
- Monoclonal ABs had relatively modest impact on viral load.
 - The placebo group in the AB study had 1000X better reduction of viral load than the group that received the ABs.

Vaccine Boosters?



- - If this is a pandemic of the unvaxxed, how is giving fully vaccinated people a third shot going to help?
 - Of Pfizer's most recent pitch to the FDA for approval claimed 91% efficacy

Changing the goalpost for herd immunity

Declining Vaccine Efficacy

03

Original "efficacy"

Pfizer: 95%

Moderna: 92%

Johnson & Johnson: 92%

Current "efficacy"

Pfizer: 50%

Moderna: 64%

Johnson & Johnson: 3%

Declining Vaccine Efficacy



In Israel, prior to the booster campaign:

60% of people with severe disease/in critical care

45% of people who died

were DOUBLY VAXXED

How many boosters will be necessary?
What about immune exhaustion?

Booster "Study"

03

- - 329 participants
 - **S** NO CONTROL
 - Only healthy participants
 - Only 7% of participants were followed for 6 months to determine efficacy
 - Patients were only followed for 2 months to determine safety

More questions

CB

- Why are we allowing people to have any booster they want?
- Why don't we have an updated mRNA vax given that there are new variants?

Vaccine Development



- Average time to market for a vaccine: 10-15 years all COVID-19 vaccines were produces in less than 18 months
- Average pass rate from phase 1 to final deployment is 6-10% for other vaccines
 - COVID vaccines currently in development* (as of 12/1/21): 194 vaccines in pre-clinical, 40 in Phase I, 44 in Phase II, 40 in Phase III, and 23 currently offered to the public around the globe- only SIX vaccines were scrapped in this entire process

^{*}data from GAVI - Global Alliance for Vaccines and Immuisation)

General Drug Safety

CB

- ☐ If a new drug causes ~50 deaths, it is pulled from the market

Vaccine "Safety"?



VAERS data, 1990-2020

Dead patients: 4,769

Patient events: 730,738

Data from HHS indicates that this is as little as 0.1% of total vaccine-related adverse events.

VAERS data, 2021

Dead patients: 9,262

Patient events: 700,069

The year of the COVID vaccine has seen 66% of VAERS deaths and 49% of VAERS adverse events.

Vaccine "Safety"?

CB

- Myocarditis & pericarditis
 - Mostly in individuals under 30
- - Is there improper administration?
- Ratigue, headaches, etc.
 - Will there be autoimmune issues later?
- "Hot" lots?