

Web: [www.nmrm.org](http://www.nmrm.org)  
Email: [jode7@tiscali.co.uk](mailto:jode7@tiscali.co.uk)

*Patron*

*Dr Moneim A Fadali, MD*  
*M.Ch., F.A.C.S., F.R.C.S. (C), F.A.C.C., F.A.C.C.P*

*Founder*

*Cynthia O'Neill, S.R.N., S.C.M., Q.N., H.V.*

Nurses Movement for Responsible Medicine (NMRM) was founded in October 2007 by Cynthia O'Neill, S.R.N., S.C.M., Q.N., H.V. to provide nurses with a channel through which they could express their concerns in relation to the high number of adverse drug reactions suffered by so many of their patients.

**The Objective of NMRM  
is the Immediate and  
Unconditional Abolition  
Of All Animal Experiments  
On Medical  
and  
Scientific Grounds**

*“ Since the life expectancy of animals is much lower, and since their psychosomatic reactions cannot be compared with those of humans, and since their tolerance levels and capacities for compensation differ from those of humans as do their processes of metabolism, detoxification and excretion, how can it be possible to simulate the effects of various causes of illness in humans and find effective therapies by using animals as models? ”*

**Dr Werner Hartinger, MD**  
**Chairman of the German League of Doctors Against Animal Experiments,**  
**Patron of Doctors in Britain Against Animal Experiments (DBAE).**

## Carcinogens

The following paragraphs are from the book: ‘Animal Experimentation, A Harvest of Shame’  
By Dr Moneim A Fadali, MD

**Ionizing and radiation and toxic chemicals** are bona fide carcinogens, meaning cancer producing. Thanks to animal research, we have been betrayed, and are victims of humbug and scientific chicanery. Imagine two of the most noxious and lethal agents life has ever encountered, wrapped in velvet and painted happy colours. Trivialized or given official approval, they may kill or harm you, your family and friends, but you won't be eligible for compensation. Tolerable, endurable, liveable, so said row after row of test tubes with faces and whiskers: the animals... They didn't do it to us. All while studies of human populations actually exposed to hazardous ionising radiation and toxic chemicals in the workplace or in their living environment are largely ignored. Case in point: “at Hyde Park (USA) and many other dumpsites, including Love Canal and the West Valley nuclear dumpsite, the residents and workers have been repeatedly assured by state and federal agencies that their low-level exposures were harmless,” wrote Dr Irwin D Bross, the President of Biomedical Meta-technology, Inc., in the November 1988 issue of the *Anti-Vivisection* magazine.

...The false sense of security is supported by the lame animal experiments (vivisection). A dreadful example of a direct harm incurred by vivisection. If this isn't, what is it then?

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## Cell Culture

There within individual body cells, action is. Make or break at cellular level. There we live or die, thrive or shrivel, rise or collapse. My cell in culture unveils more of me, the real me than a dog, a monkey or a rabbit would. My genes, my nucleus, my protoplasm, are all there, telling and foretelling. Science is more and more heading in the direction of cells and cellular components such as genes and mitochondria. And, hopefully the “crooked timber of humanity” won’t make mess and advance grief, and monstrosity out of this. Cells, separated and given appropriate nutrients, temperature and abode (a test tube) will multiply forming tissues similar to their parent kind. Numerous cell lines can be cultured time and again through many generations to produce specific cell types. Even pathologic cell lines such as cancer cells can be grown in cultures.

## Organ Culture

The human placenta offers an excellent venue; it has a short and well-defined lifespan, readily available – discarded after delivery – has established, thoroughly studied functions such as transferring nutrients, exchanging gases and producing hormones. Its cells are young and sensitive, thus highly susceptible to the side effects of drugs and chemicals. Study of birth defects and the aging process appear to be quite suited for the organ culture medium of the placenta.

Microsurgery whereby minute vessels such as those supplying the fingers can be connected together by elaborate techniques may be practised for on the placenta. Artificial circulation can be designed in the placental model, a simulation of real-life situations.

NB: As well as the above, Dr Fadali describes other non-animal methods of testing in his book. Among them are:

**Epidemiologic Studies** involve comparative studies of human populations. These have provided critical and valid information about the causation of many diseases. Such studies are the backbone of tracing infections, detecting methods of transfer, planning isolation when necessary and preventing spread.

**Tissue Culture** involves the study of human tissue that can be cultured in vitro. In the US, The National Research Disease Interchange, a non-profit clearing house, provides more than 130 kinds of human tissue to scientists investigating diabetes, cancer, cystic fibrosis, muscular dystrophy, glaucoma and more than 50 other diseases.

The great Mahatma Gandhi hated vivisection, and referred to it during the inauguration ceremony of the Medical Academy at the University of Delhi as:

*“The blackest of all crimes of which humanity is guilty against God and his creation”.*