

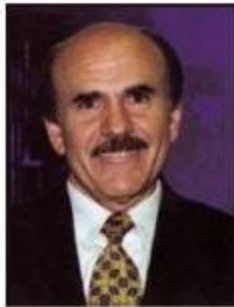
FIR INFRARED RAY INDUCES INTRACELLULAR GENERATION OF NITRIC OXIDE

The Nobel Prize in Physiology or Medicine 1998

The Nobel Assembly at the Karolinska Institute in Stockholm, Sweden, has awarded the Nobel Prize in Physiology or Medicine for 1998 to **Robert F Furchgott, Louis J Ignarro and Ferid Murad** for their discoveries concerning "the nitric oxide as a signalling molecule in the cardiovascular system".



Robert F Furchgott, born 1916
Dept. of Pharmacology,
SUNY Health Science Center
New York



Louis J Ignarro, born 1941
Dept. of Molecular and
Medical Pharmacology
UCLA School of Medicine
Los Angeles



Ferid Murad, born 1936
Dept. of Integrative Biology
Pharmacology and Physiology
University of Texas Medical
School, Houston

Nitric oxide was named “Molecule of the Year” in 1992 by the journal “Science”, but it took another 6 years for those responsible for the major discoveries surrounding it to win the Nobel Prize. Three US scientists — Robert F. Furchgott, PhD, Louis J. Ignarro, PhD, and Ferid Murad, MD, PhD — received the 1998 Nobel Prize for Physiology and Medicine on December 10, 1998, in Stockholm, Sweden. The discovery of nitric oxide’s signalling role in the cardiovascular and nervous systems is now nearly 20 years old, but its clinical use is only beginning. What the Nobel Prize recognized was the scientists’ dogged efforts to prove that nitric oxide, an endogenous gas and also a free radical, could have this kind of crucial biological effect. Research has proven the crucial role the gas plays in such fundamental biological processes as regulation of blood pressure, functioning and malfunctioning of the immune system, and activation of mechanisms in the central nervous system affecting everything from gastric motility to memory to behavior. Long known only as an air pollutant, nitric oxide and its related enzymes could one day provide the basis for the development of drugs that could treat everything from Alzheimer’s disease to high blood pressure.

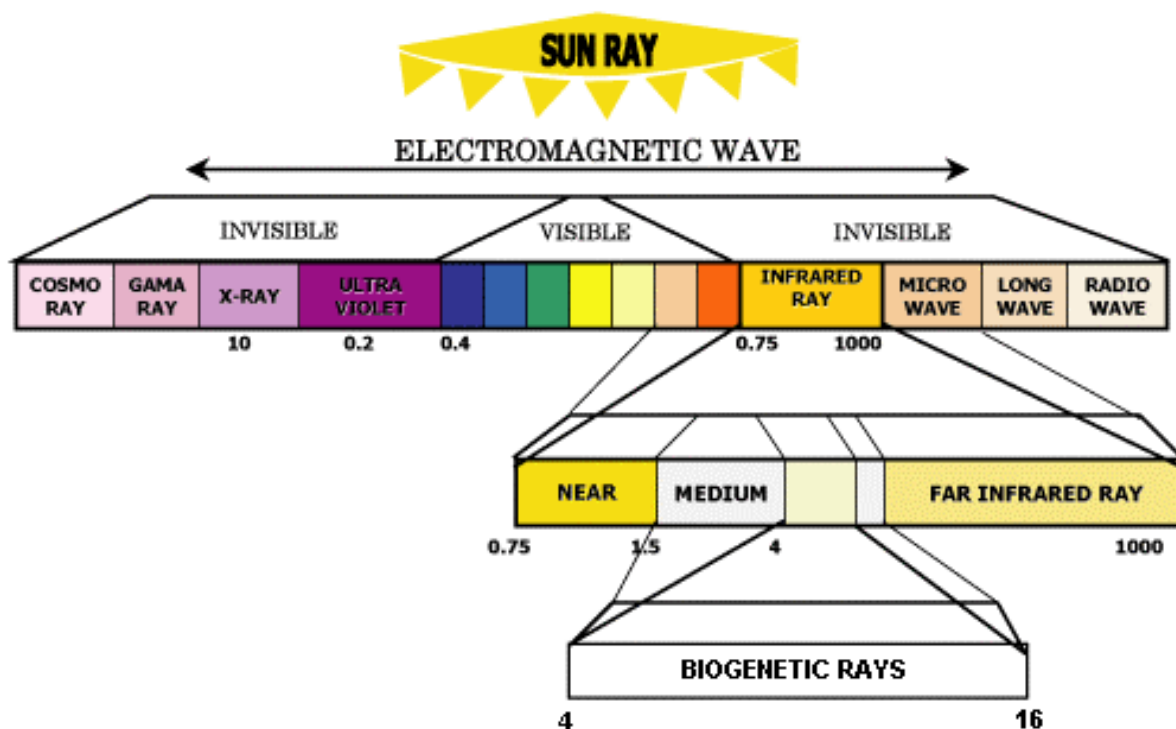
“NOBEL PRIZE IN MEDICINE AWARD WINNERS MURAD, FURCHGOTT & IGNARRO FOUND THAT NITRIC OXIDE GAS IS PRODUCED BY FIR INFRARED RAYS”

FIR are among the rays coming from the sun and the FIR waves are the safest and the most beneficial.

There is a vast body of research data accumulating on FIR, with much ongoing scientific investigation being conducted. Results of these investigations show many hopeful and efficacious clinical improvements in patients receiving FIR treatments of various types.

A book entitled: “The Scientific Basis and Therapeutic Benefits of Far Infrared Therapy”, written by Japanese medical doctor, Dr. Toshio Yamazaki, is certainly one excellent resource for citing further possible clinical advantages of using FIR.

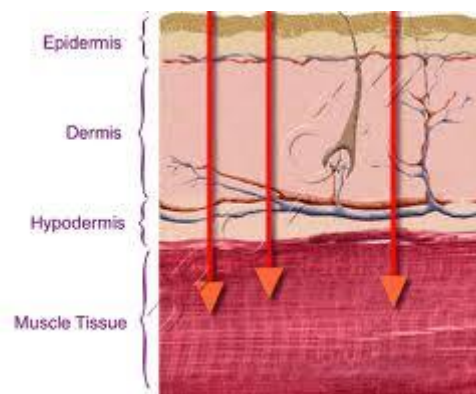
FIR penetrates four or five centimeters into the dermis, from muscles into blood vessels, lymphatic glands and nerves.



The FIR whose wavelength falls between 4 to 50 microns are also commonly called Biogenetic rays. Biogenetic rays have been shown to promote the healing and growth of living cells especially in plants, animals and human beings.

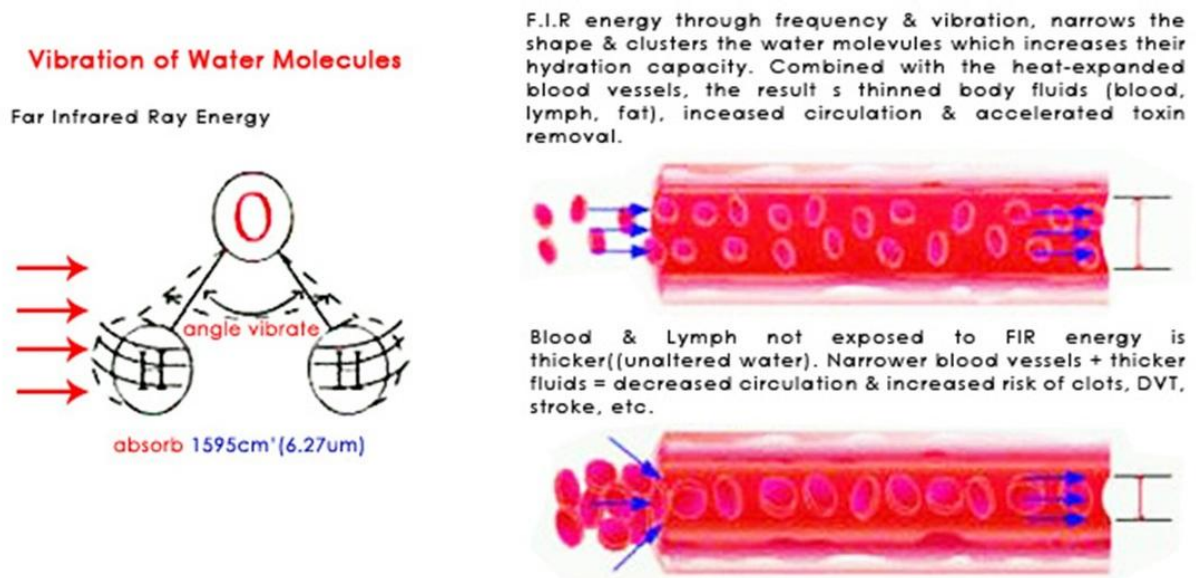
FIR has the ability to remove toxins in the body, which are often at the core of many health problems. The build-up of toxins in a healthy body could block the normal blood circulation and impair the cellular energy.

FIR can have beneficial results in a variety of illnesses because penetrates four or five centimeters into the dermis, from muscles into blood vessels, lymphatic glands and nerves.

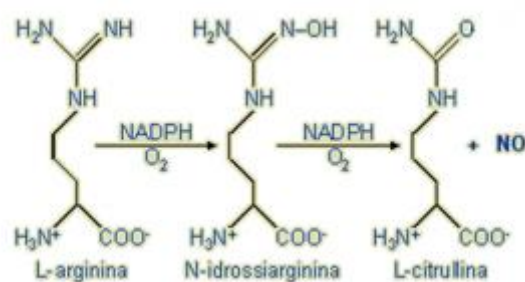


The FIR application technology makes Far Infrared Rays penetrate through human tissue and activates Enzymes in the body to create Nitric Oxide.

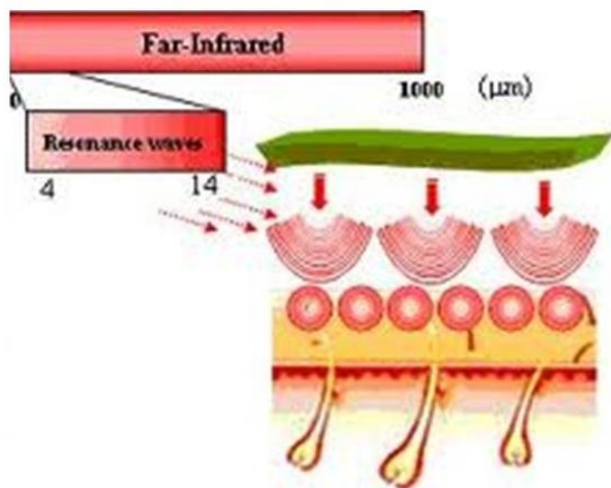
These rays penetrate into the body and reaching the suffering organs FIR are able to separate the water molecules that bind toxins or other substances harmful to the body. The action of molecular scission occurs through the action of far infrared rays that make ions vibrate, breaking the bond of the atoms of the water.



The vibration of the ions of the water launch also enzymes, known as Synthetase and launch an amino acid of Arginine and Citrulline that activate the production of Nitric Oxide.

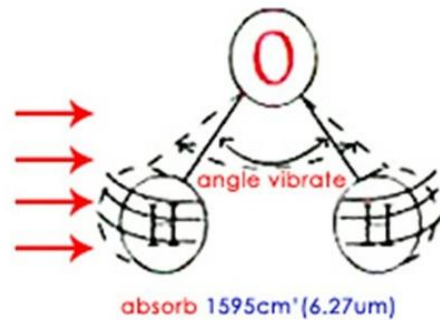


When 4 to 16 micron FIR rays are applied, the water begins to vibrate breaking the ion bonds of the atoms held together by the water molecules.

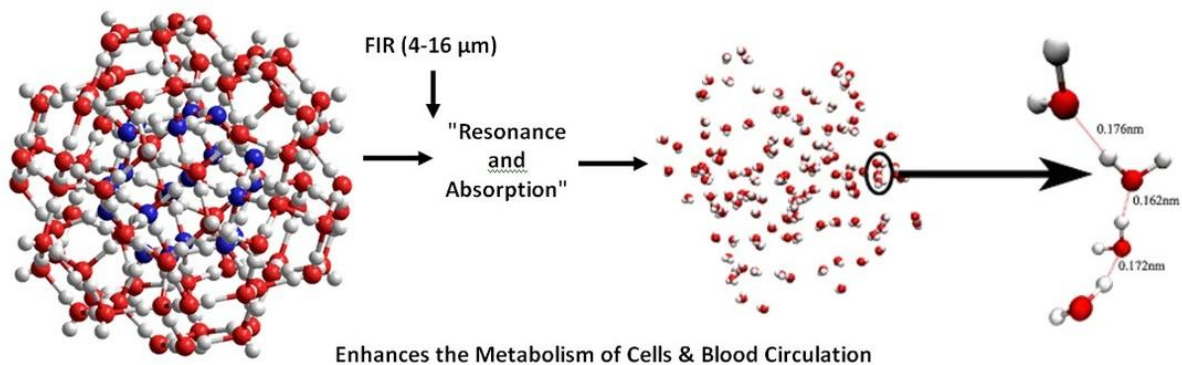


Vibration of Water Molecules

Far Infrared Ray Energy



The role of FIR in the Human Body



When toxic gases such as carbon dioxide & sulphur dioxide or toxic substances such as lead or mercury meet large water molecules, they are encapsulated by clusters of water in the body.

When these toxins accumulate, blood circulation is blocked and cellular energy is impaired. However, when 7 to 14 micron FIR rays are applied, the water begins to vibrate breaking the ion bonds of the atoms held together by the water molecules. As the breakdown of the bond occurs, the encapsulated gases and other toxic substances are released.

FIR has such beneficial results in a variety of illnesses is its ability to remove toxins, which happen to be the core of many health problems.

When you apply FIR technology, many researchers reported the healing results from the production of nitric oxide by the hemoglobin due to the reaction of the photons of the FIR on the enzymes, which produce the nitric oxide gas.