

Annual Congress on

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## Ozone Therapy: A powerful cancer treating protocol

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**O**zone Therapy is a revolution in modern medicine where most of the diseases including cases like Cancer, Hepatitis, HIV are managed and patients are satisfied with normal and disease free life. Ozone therapy refers to the process of administering ozone gas into your body to treat a disease or wound. Ozone is a colorless gas made up of three atoms of oxygen (O<sub>3</sub>). It can be used to treat medical conditions by stimulating the immune system. It can also be used to disinfect and treat disease.

**Mechanism of Action:** It has been suggested that perceived therapeutic effects of Ozone therapy works by 'controlled and moderate' oxidative stress produced by ozone reacting with several biological components. In severe oxidative stress nuclear transcriptional factor kappa B is activated which causes an inflammatory response and tissue injury, while in moderate stress another factor, nuclear factor-erythroid 2-related factor 2, is activated which induces the transcription of antioxidant response elements. These cause the production of numerous antioxidative enzymes which together with free antioxidants protect cells from oxidation and inflammation and may also reverse the chronic oxidative stress. As cancer cells thrive in anerobic environment. Supposed mechanism of action of ozone therapy is based on idea that increasing the oxygen levels in the vicinity of cancer cells, will adversely affect them and potentially cause apoptosis.

**Treatment Protocol:** Various modes of administration of this therapy are by Ear, Rectum, Vagina and Blood. Depending on type of disease and severity, the mode of administration is decided. The method of administration that has been specifically related to cancer is ozone autohaemotherapy. This technique involves blood being withdrawn from the patient's vein and treated with ozone before reinfusion or injection into a vein or muscle. Guidelines on the use of ozone in medicine recommend that concentrations of 80 µg ozone per ml whole blood and above are not used as there is an increased risk of haemolysis. These guidelines suggest concentrations between 10 and 40 µg, in exceptional cases up to 60 µg ozone per ml whole blood are used. Total doses are given as 500 µg – 1000 µg 2 x per week for 10 treatments, possibly repeated several times per year.

### Biography

Nilay Pankaj Shah has completed his BHMS in 2004 and MD in the year 2005 at the age of 24 years from Calcutta University. He has under went various courses in alternative therapy like Ozone Therpay, Chelation Therapy, Acupuncture etc. and has been attendee and speaker in medical conferences. He has got certified by Ozone Forum of India. He has also been member and certified by American Academy of Ozone Therapy. He is the propriter of Positive Medical Services, a primary Alternative Therapy Service organization. He has published more than 15 papers in reputed journals.

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