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Ozone therapy in disc herniation as a valid treatment

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Ozone (O₃) is an unstable allotropic form of oxygen that imparts an oxidizing activity with various biological components. Ozone reacted only with substances that contain double bonds, such as amino acids, peptides, proteins, nucleic acids, and primarily unsaturated fatty acids, which serve as the building blocks of cellular membranes; lipid bilayers and the lipoprotein complexes found in blood plasma. It can generate its immune-modulating, anti-inflammatory, antibacterial, virucidal, fungicidal, analgesic, and other properties depending on the therapeutic dose chosen. Ozone therapy has various therapeutic uses including topical applications for wound healing, treatment of periodontitis, cancer, AIDS, severe acute respiratory syndrome, neurodegenerative diseases and diabetic foot. Advantages of Ozone therapy includes that it acts as a disinfectant and prevents oxidative damage. Ozone therapy has disadvantage of being hazardous to skin cells and red blood cell clumping is lessened or eliminated by ozone.

Biography

Professor Massimo Piracci completed his MBBS from Roma Tor Vergata, Italy in 1992 and subsequently received his MD in Orthopedic and Traumatology from the same University in 1999. He was trained in Orthopedic Surgery in Roma Saint Eugenio Hospital and in Latina Santa Maria Goretti Hospital. From 2003 was HOD in Orthopedic and Traumatology Department in Roma Clinic Annunziatella where he did more than 10.000 surgery. He was also Football Referee for FIGC for 15 years and also external orthopedic consultant for different football team. From 2014 in UAE in AL Salama Hospital and Universal Hospital, Abu Dhabi. He already treated for ACL reconstruction the goal keeper of Al Jazeera Football Club of Abu Dhabi. He uses the most advanced technologies and biological implant (PRP, Stamina cells, Ozone Therapy) and mini invasive surgery of hip head. He treats the most of orthopedic pathology for children and adults, the most of minor and major trauma, and sport injury with advanced mini invasive technique.