Ozone and health in a time of COVID-19

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This note is a public service to raise awareness for treatment modalities that may not yet be known to you: Medical Oxidative Therapies. While novel to most of the conventional medical community, ozone therapy has been extensively researched, taught, and used clinically world-wide for over 30 years. Ozone therapy is uniquely applicable to pandemic conditions.

We have compiled a brief overview and a resource list of peer-reviewed literature on medical oxidative therapies with applications for:

- Acute infectious disease, viral and secondary bacterial
- Prevention of cytokine storms
- Protection of hepatic and renal function
- Disinfection of PPE

Additionally, ozonated saline flushed in the pharynx and nasal passages can prevent viral inoculation from proceeding to full blown pulmonary infection— a critical tool to protect health care providers.

Ozone generating technology is very simple and can be quickly manufactured in any machine facility. These resources can be found at: https://plenacuraevets.com/medical-oxidative-therapies-for-covid19-resource-page/

Don’t hesitate to contact one of us with any questions about clinical applications and getting access to trained O3 practitioners.

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Please use the link to get more current information and videos
How can we prevent and control such an invisible attacker

- We need to look to tools of the 21st century but not be afraid to use tools from the past
- We need to open our possibilities to think “outside the box”

Some of the text comes from an interview of Drs Robert Rowen and Joe Mercola
• Dr. Robert Rowen: “Ozone increases what’s called the arterial venous oxygen difference. If there is the arterial oxygen and there is the venous difference, then what’s in between is what your body is consuming. Ozone increases that, so you get a higher amount of oxygen that’s actually being consumed by the body, which can only be done in the mitochondria, meaning more ATP. ATP is what the body makes for energy and we have to have that so oxygen combustion makes ATP.”

• Ozone has all of these effects and more. It increases nitric oxide production in the circulation, which improves circulation. In any event, all of these factors, all of these biochemical effects of ozone go into its effectiveness. Additionally, both groups found that ozone creates molecules called ozonides.

• Ozonides are reactive oxygen species or lipid oxidation products that are created on contact.

• When ozone contacts components in your blood, ozone reacts with them instantly. Ozone doesn’t last more than microseconds in your blood, if that, and then all these molecules are made called ozonides.

• The ozonides move through the body and they are the chemical messengers getting the body to do all these other effects.
Robert Rowen Talks about EBOLA in Africa in 2014

- I decided to go to Africa in 2014 because knowing what I knew about the Ebola virus itself, I thought the ozone would be an ideal therapy. Because of the similarity, a particular similarity of the Ebola viral coat to Coronavirus, I also believe it will be an effective treatment for Coronavirus. I recruited Howard Robins to come with me. Howard Robins does a rather inexpensive, quite safe form of ozone called DIV, direct intravenous gas. The only downside to it is it can irritate veins and yes, it can irritate, but if you're careful and you're not doing it too much, I haven't seen much of an issue. We use lower concentrations so that we don't see any issues at all. It can cause a temporary cough or chest tightness, which goes away in about five or 10 minutes. Other than that, I believe it’s virtually 100% safe or very close to.
What did Velio Bocci find in his research

• He also found that ozone increases the levels of key antioxidant enzymes like glutathione peroxidase, catalase, superoxide dismutase.
• modulates the immune system increasing certain cytokines that reduce inflammation and decreasing certain cytokines that increase inflammation
What does ozone and ozonides do?

- The ozonides are in their own right reactive oxygen species ROS and they are electron seeking.
- While they are not as lethal to microorganisms as ozone is, and that's one of the other mechanisms of ozone.
- Ozone kills microorganisms virtually instantly, including viruses and bacteria.
- Whole host of downstream metabolites called ozonides and they're reactive.
- Not as reactive as ozone, but they're still reactive and they're going to do their thing.
- They do their thing by directly killing the viral pathogen and they do it by upregulating the immune system to help your body defeat it.
Why ozone for COVID

• When the lungs fill with fluid, they don't get air and they die. Ozone increases to 2,3 DGP in red blood cells. That causes more oxygen to be released by hemoglobin. Ozone improves red blood cell flexibility. A red cell has to go through a smaller opening and with more flexibility, it can squeeze through the capillary, which is actually a smaller diameter; red cells have to do that to get through the capillaries.

• Some info on 2,3-DPG

https://video.search.yahoo.com/yhs/search?fr=yhs-pty-pty_forms&hsimp=yhs-pty_forms&hspart=pty&p=2.3+dpg+function#id=2&vid=f6b22fe1f6e936bc05ac8c279cb153eb&actio=n=view

2,3-diphosphoglycerate (ˌdi-fōs-fō-glīsˈərē-at”), 2,3-DPG

An organic phosphate in red blood cells that alters the affinity of hemoglobin for oxygen. Blood cells stored in a blood bank lose 2,3-diphosphoglycerate, but once they are infused, the substance is resynthesized or reactivated.

“CITE” Medical Dictionary, © 2009 Farlex and Partners
Why give Medical ozone before the COVID hits

• They showed that ozone reduces human necrosis factor alpha TNF-Alpha. When animals were preconditioned, in other words, if you gave them an ozone treatment before a toxic insult that would kill them, it greatly reduced the lethality of the insult, whether it was chemical or a stress or infection. Menendez added to what Obayashi did.

• To give medical ozone before infection or at the start can prevent the out of control viral load.
COVID-19 PATIENTS IMPROVED WITH OXYGEN OZONE THERAPY
We have the first data on the use of ozone oxygen on patients affected by the Covid-19 virus.

From the first report of one of the 17 hospitals where ozone therapy is being performed according to the protocol of the SIOOT (Scientific Society of Ozone Ozone Therapy), 10 patients in serious or very serious conditions have had a rapid and decisive improvement.

After just 5 treatment sessions, of the 5 intubated, one has improved to the point of being extubated and the others are improving significantly.

The patient in less serious conditions, after a few sessions of Oxygen Ozone Therapy, recovered and returned home.

The group's only deceased was in widely compromised conditions, ozone therapy was practiced as an extreme attempt, but there was nothing more to do.

In the technical report, the doctors wrote that after 5 treatments with Ozone Ozone Therapy as per SIOOT protocol, the patients are all much better.

After practicing Oxygen Ozone Therapy, doctors found the following evidence:

- a general improvement in clinical conditions;
- a normalization of body temperature (that is, patients are suffocated);
- a reduction in Reactive Protein C (PRC);
- a normalization of the heart rate;
- an improvement in saturation and reduction of oxygen support;
- a normalization of renal function (creatinine).
Ozone is successful in Italy because they have approval from the government to use it in the hospitals. Ozone needs to be part of preventative and treatment of COVID19. We will have more viruses and infection and a tool all can have easy access to is medical ozone. Having one in your home will be the new normal.
These are the doctors that are part of the study going on in Italy that is in 17 hospitals.
To better understand the meaning of these data, we interviewed prof. Marianno Franzini, president of SIOOT International and promoter of the treatment protocol together with prof. Luigi Valdenassi and SIOOT.

According to Franzini, the most relevant data is that the improvements, in addition to being significant, occurred in just 5 days of therapy.

For a more careful evaluation, Franzini asked the opinion of four colleagues directly involved in the care of patients with Covid-19, and all confirmed that these are very important results, because none of the people affected by Covid-19 has had an improvement as fast and as stable as that experienced in patients treated with oxygen ozone.

"A doctor who is treating Covid-19 patients - said Franzini - revealed to me that no treatment protocol is giving the same results as ozone therapy."

When asked what are the reasons why Oxygen Ozone Therapy is so effective, Franzini explained that, from the autopsies of the deceased due to Covid-19, it appears that the virus immediately attacks the microcirculation causing a disseminated thrombosis. And it is precisely there that, together with the antiviral effect, ozone oxygen is even more decisive precisely because it reactivates and strengthens the microcirculation.

"Considering the goodness of these first data, it would be very important - Franzini underlined - to make sure that ozone therapy was practiced at the beginning, when the swab turned out to be positive, so that patients could be treated before their conditions aggravate, thus managing to avoid hospitalization.

Finding so far in Italy as of April 1, 2020
Some ways to use ozone simply

- Ozonate your PPE with gas
- Drink Ozonated water
- Bubble to produce ozonated water
- Use ozone gas to disinfect packages and contaminated items
- Use ozonated saline or water to flush your eyes, nose and to gargle
- Rectal, vaginal or ear insufflation (with bubbling olive oil)
Using ozonated Olive oil

• You can put up your sinuses on a Q-tip
• Put into your mask so as you breath the ozonides are breathed in.
• Use as a suppository and give rectally
• Put around your gums and swallow slowly to get the benefits of reducing biofilm and coating your throat
Having a professional administer

• Ozonated Saline drip
• Major Autohemotherapy
• Hemealumen
• UVBI
• Robin method of DIV
Washing hands and washing your gloved hands

Always reduce your changes with good hand washing
Using an ozone generator to make ozone to bubble in the water to clean vegetables. Also bubble as a gas through a small amount to water to sterilize and kill virus on the surface of the containers.

These containers are covered and left for about 40 minutes.
A great way to clean your vegetables even without the COVID19. It is used at Legal Seafood to clean fish and surfaces.
To reuse our PPE, sterilize them with ozone and allow the masks to get UV light from the sun.
PPE personal Protection Equipment

Place your face shields and gowns as well as masks and re-sterilize them with ozone. Can use 70ug/ml fill the bag, move the contents around and let sit for a 3 hours.

Make sure you empty the bag outside in good ventilation.
Note the color change of the oils. When wanting to treat with ozone one MUST bubble on low Ug/ml with fresh oil. Save the oils for putting up your nose, smearing into your face mask and other applications (which is an entire lecture).
How can we help prevent the COVID Virus from seeding in our mucus membranes and then into our lungs

To Purell your nostrils, throat and eyes **is not safe** and Ozonate water/saline is safe. I would not recommend one use an ozonated fluid on eyes with contacts lenses as it can cause the contacts to shrink and cause eye irritation.
MAKING HEALTHY Ozonated Fluids

These fluids can be used to gargle, flush, and flush your eyes to kill viruses in your eyes, mouth, throat.

- Making water and saline through a bubbler is ideal.
- One needs a DESTRUCT that will convert the O3/O2 Mixture back to O2 only as ozone is a lung irritant if it is not bubbled through olive oil to produce ozonides.
When using ozone try to use a destruct

- Here a destruct It is filled with a carbon material that allows the O3 to breakdown to O2 molecule so hence you can make the O3 /O2 mixture inside
Using ozone with fresh olive oil to allow bubbling to produce ozonides that we can safely breath. Note the small little bubbles that allows the ozone set at low 20 UG /ML to be bubbled and then enhaled to used via a stethoscope to the sinuses.
Making water or saline simply

- It is best to use distilled water but can use filtered water
Ozonated Solutions Stability

Most probable reactions: $O_3 + 3NaCl + 3HO_2 = 3NaOH + 3HClO$ or $O_2 + OO(\cdot) + 2NaCl + 2H_2O = 2NaOH + 2HClO$. Also note that the Saline IRR was buffered with HCl while the Saline INJ was buffered with NaOH resulting in notable differences.
Ozonated Distilled, Saline, Commercially prepared sterile and Saline waters Half live 0-138 hours

Work done by Dr, Dennis Mihalka, DDS
Making Ozonated saline that can be given to patients IV as well as used as nasal flushing and other application

Take ozone bag place and put an 18 gauge needle at at the corner of the bag to allow gas to escape

Place in a ventilated area and bubble ozone through the bag at about 70 ug/ml for about 20 minutes. If saline is chilled it will retain the ozone longer and higher

**Caution** needs to be ventilated

**Caution** Make sure you have valve or a 3 way stopcock to prevent fluid/ saline from flowing back into machine with gravity
There are stem cells in the crypts of the Colon

Ozone stimulates mitochondria in the cells and stem cell have high number of mitochondria
There are over 500 species of microbes from you mouth to anus

There are 1000’s of subspecies that have not even been identified.
Over 100 Trillion organisms
This is uncharted science
Ozone is used to reduce the microbiome biofilm prior to MBRT.

It removes a large amount of bacteria, viruses, fungus, mycoplasma and other organisms so that a new microbiome has a chance to re-seed the terrain.
Oral and rectal application

Giving stool as a solid piece. We also make capsules and slurries

Giving to a young dog

Getting the pet a treat first to encourage some salivation

Choosing a sample
Can bacteriophages which are viruses kill other viruses

- Some questions
- Can these not well known parts of our microbiome be the ones that can help us fight a viral storm?
- Can doing MicroBiome Restorative Therapy MBRT be a restorative way to affect 80% of the immune system?
Cases of Corona threatened with Ozone

• Stella 5 week old kitten obtained 2 days before from a shelter in which the entire cattery came down with Feline Rhinotrachitis and respiratory disease, which is a corona virus

• Stella was presented lethargic with signs of upper respiratory congestion

• She progressed to be much worse and was not eating and severely congested.
Corona virus - all cats in shelter could not be saved and were euthanized

- We did ozone bubbled through Olive oil outside clinic and placed Stella is a plastic bag to confine the ozonides from the generated ozone.
- She was struggling to breath and she was drooling and massive amount of foam and fluid came out of her mouth and nose.
- On the way home owner had to stop to pull what she called ropes of discharge out her nose and mouth. She would cough out massive amount of mucus.
She completely recovered and was back to normal in a 3 days

- The ozone killed the virus and allowed the lungs to de-congest and heal
- She was support with herbs and homoeopathy and great diet that allowed her to regain her health
- This is Stella and best bud Ludvig Stella lived to 14 ½ and passed away from malignant breast cancer. She had ozone to support her health and lived 3 years with malignant adenecarcinoma
Treating Parvo Virus with Ozone and MBRT

• Entire Kennel breaks with Parvovirus 20 dogs affected  PCR confirmed

• A 20 lb 9 month old sled dog was taken to the emergency clinic in New Hampshire and was treated for three days with intensive care at cost of $3,000

• Veterinarians at the clinic said there was nothing more they could do for this puppy. They recommended euthanasia
Puppy given SQ ozonated saline, UVBI and Rectal Insufflation and MBRT

- Puppy come down form New Hampshire, was treated in back of car due to contagion.
- Puppy was pale almost white, unconscious, no anal tone, bloody stool still present, had to watch for respiration barely breathing. No reflexes.
- Gave UVBI, Sq O3 saline, Injection SQ vit C and Cit B complex Vit A and D sq. and Rectal ozone gas with a MicroBiome Restorative Therapy MBRT
Puppy recovered in 4 hours

- Owner drove home and placed the dog on 3rd floor in isolation
- When she was making dinner 4 hours after our care the puppy had come down 3 flights of stairs and wanted to eat
- She treated all 18 remaining dogs with Subcutaneous ozonated saline and MBRT
- The mother of the 5 puppies that were 6 weeks old that was at the ER was the only one that did not get the O3 and MBRT. She did not survive. All others recovered really quickly and did not need and ER care.
Could there be a connection with the MICROBIOME AND ABILITY TO RECOVER ONE’S IMMUNE SYSTEM from a Pandemic

- The value of ozone to reduce biofilm so that the Fecal transplant / MBRT can really work
- WE need to explore so much more as these pandemics can be more common due to the ability to create genetically derived viruses
- We need tools to let our bodies heal and come back
- We need ozone to make that happen.
Looking for another veterinarian to join our caring integrative practice

- We use nutrition, acupuncture, homeopathy, ozone, microbiome restorative therapy and other modalities with traditional diagnostics, to optimize pet's health. From well visits to chronic disease, we offer medicine that respects the integrity of the pet’s mind and body.

- Doctor of Veterinary Medicine - including Massachusetts DVM license

- Passion for integrative medicine

- Experience with alternative and conventional medicine

- Ability to communicate well with animal owners, staff members, and colleagues

- Positive, can-do attitude

- [www.mashvet.com](http://www.mashvet.com) contact Amanda or Danielle
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