

PEDIATRIC OZONE PROTOCOLS

INDICATIONS FOR EAR AND NASAL INSUFFLATIONS

- Otitis media: Typically 3-5 insufflation treatments, then a re-examination
- Serous otitis media: three times a week
- Sinusitis: three times a week for 12-24 sessions, re-x-ray afterwards, over 4-8 weeks
- MARCoNS: Ear and nasal x 12 (three times a week for four weeks)

PEDIATRIC EAR INSUFFLATION

Pediatric Ear Insufflation (0-2 years):

- Moisten the ears with olive oil or water on a fingertip. If moistening the ear canal with water, then it must be done before EACH administration of ozone.
- Gently pull down on the lobule of the ear and form a gentle seal with the 60mL syringe that has ozone in it.
- Administer 10mL of 10 gamma of ozone into each ear canal. Hold the ozone in the ear for 10 secs. Do this THREE times.

Pediatric Ear Insufflation (2-3 years):

- Moisten the ears with olive oil on a fingertip. If moistening the ear canal with water, then it must be done before EACH administration of ozone.
- Gently pull down on the lobule of the ear and form a gentle seal with the 60mL syringe that has ozone in it.
- Administer 20mL of 10 gamma of ozone into each ear canal. Hold the ozone in the ear for 10 seconds. Do this THREE times.

Pediatric Ear Insufflation (4-6 years):

- Moisten the ears with olive oil on a fingertip. If moistening the ear canal with water, then it must be done before EACH administration of ozone.

- Gently pull down on the lobule of the ear and form a gentle seal with the 60mL syringe that has ozone in it.
- Administer 30mL of 10 gamma of ozone into each ear canal. Hold the ozone in the ear for 10 seconds. Do this THREE times.

Pediatric Ear Insufflation (older than 6 years):

- Moisten the ears with olive oil or water on a fingertip. If moistening the ear canal with water, then it must be done before EACH administration of ozone.
- Gently pull down on the lobule of the ear and form a gentle seal with the 60mL syringe that has ozone in it or the Ozone Stethoscope.
- Administer 40mL of 10 gamma of ozone into each ear canal. Hold the ozone in the ear for 10 seconds. Do this THREE times.

PEDIATRIC NASAL INSUFFLATION

Pediatric Nasal Insufflation (12 years of age or less):

- To determine if a child is able to do nasal insufflation, ask them "Are you able to hold your breath under water / in the bathtub?" Use your judgment.
- 5-10 mL of 10 gamma of ozone into each nostril. Hold ozone in the nostril for 10 secs. Do this THREE times per nostril. This treatment should be done THREE times per week.
- Take several deep breaths and hold it in, occluding one nostril and keeping your mouth closed.
- The insufflation will be done on the opposite nostril. After insufflation is complete, hold the nostrils closed for 7-10 seconds, then breath out through your mouth.

Pediatric Nasal Insufflation (12-18 years):

- 10-20 mL of 10 gamma of ozone into each nostril. Hold ozone in the nostril for 10 secs. Do this THREE times per nostril. This treatment should be done THREE times per week.



PEDIATRIC OZONE PROTOCOLS (CONT)

- Take several deep breaths and hold it in, occluding one nostril and keeping your mouth closed.
- The insufflation will be done on the opposite nostril. After insufflation is complete, hold the nostrils closed for 7-10 seconds, then breath out through your mouth.

PEDIATRIC RECTAL INSUFFLATION

Pediatric Rectal Insufflation (1-5 years):

Using a catheter, insert the lubricated catheter (use olive oil, ozonated olive oil or organic/unrefined coconut oil) 2-3 cm into the rectum.

- **Treatment #1:** 10mL of 10 gamma of ozone for the week.
- **Treatment #2:** 10mL of 15 gamma of ozone for the week
- **Treatment #3-10:** 10mL of 20 gamma of ozone once a week. (Stay at this volume and gamma.)

Pediatric Rectal Insufflation (6-10 years):

Using a catheter, insert the lubricated catheter (use olive oil, ozonated olive oil or organic/unrefined coconut oil) 3-4 centimeters into the rectum.

- **Treatment #1:** 10mL of 10 gamma of ozone once a week.
- **Treatment #2:** 10mL of 14 gamma the next week
- **Treatment #3:** 10mL of 20 gamma the next week
- **Treatment #4-6:** 20mL of 20 gamma three times per week
- **Treatment #7-9:** 30mL of 20 gamma three times per week
- **Treatment #10-12:** 40mL of 20 gamma three times per week
- **Treatment #13-15:** 50mL of 20 gamma three times per week
- **Treatment #16-20:** 60mL of 20 gamma three times per week

Pediatric Rectal Insufflation (11-18 years):

Using a catheter, insert the lubricated catheter (use olive oil, ozonated olive oil or organic/unrefined coconut oil) 3-4 centimeters into the rectum.

- **Treatment #1:** 60mL of 10 gamma of ozone
- **Treatment #2-3:** 60mL of 15 gamma of ozone, two times per week
- **Treatment #4-5:** 60mL of 25 gamma of ozone, two times per week
- **Treatment #6-8:** 60mL of 30 gamma of ozone, three times per week
- **Treatment #9-11:** 100mL of 30 gamma of ozone, three times per week
- **Treatment #12-14:** 240mL of 30 gamma of ozone, three times per week
- **Treatment #15-17:** 420mL of 30 gamma of ozone, three times per week
- **Treatment #18-20:** 600mL of 30 gamma of ozone, three times per week
- **Treatment #21-25:** 750mL of 30 gamma of ozone, three times per week

PEDIATRIC VAGINAL INSUFFLATION

Note: This might be too invasive/violating unless a child has fistulas from inflammatory bowel disease.

Pediatric Vaginal Insufflation (1-5 years):

Using a catheter, insert the lubricated catheter (use olive oil, ozonated olive oil or organic/unrefined coconut oil) 2-3 cm into the vagina.

- **Treatment #1:** 10mL of 10 gamma of ozone for the week.
- **Treatment #2:** 10mL of 15 gamma of ozone for the week
- **Treatment #3-10:** 10mL of 20 gamma of ozone once per week. (Stay at this volume and gamma.)



PEDIATRIC OZONE PROTOCOLS (CONT)

Pediatric Vaginal Insufflation (6-10 years):

Using a catheter, insert the lubricated catheter (use olive oil, ozonated olive oil or organic/unrefined coconut oil) 3-4 centimeters into the vagina.

- **Treatment #1:** 10mL of 10 gamma of ozone for the week.
- **Treatment #2:** 10mL of 15 gamma of ozone for the week
- **Treatment #3:** 10mL of 20 gamma of ozone for the week
- **Treatment #4-6:** 20mL of 20 gamma of ozone, three times per week
- **Treatment #7-9:** 30mL of 20 gamma of ozone, three times per week
- **Treatment #10-12:** 40mL of 20 gamma of ozone, three times per week
- **Treatment #13-15:** 50mL of 20 gamma of ozone, three times per week
- **Treatment #16-20:** 60mL of 20 gamma of ozone, three times per week

Pediatric Vaginal Insufflation (11-18 years):

Using a catheter, insert the lubricated catheter (use olive oil, ozonated olive oil or organic/unrefined coconut oil) 3 centimeters into the vagina.

- **Treatment #1:** 60mL of 10 gamma of ozone for the week
- **Treatment #2-3:** 60mL of 15 gamma of ozone, two times per week
- **Treatment #4-5:** 60mL of 20-25 gamma of ozone, two times per week
- **Treatment #6-8:** 60mL of 30 gamma of ozone, three times per week
- **Treatment #9-11:** 100mL of 30 gamma of ozone, three times per week
- **Treatment #12-14:** 240mL of 30 gamma of ozone, three times per week
- **Treatment #15-17:** 420mL of 30 gamma of ozone, three times per week

- **Treatment #18-20:** 600mL of 30 gamma of ozone, three times per week
- **Treatment #21-25:** 750mL of 30 gamma of ozone, three times per week

OZONE/UV IN CHILDREN

- **Treatment #1:** blood - 30mL, ozone - 30mL of 40 gamma in 80mL NS.
- **Treatment #2:** blood - 30mL, ozone - 30mL of 45 gamma in 160mL NS.
- **Treatment #3:** blood - 30mL, ozone - 30mL of 60 gamma in 160mL NS.
- **Treatment #4:** blood - 30mL, ozone - 30mL of 70 gamma in 160mL NS.
- **Treatment #5:** blood - 30mL, ozone - 60mL of 70 gamma in 160mL NS.

CHECK CBC with a manual differential/platelets after 5th treatment to verify normal cell indices, no thrombocytopenia: portal interpretation and release (part of the treatment protocol). This must be within normal limits to proceed with higher treatment amounts (to rule out thrombocytopenia, ICD 10 code: D69.9): RN to CHECK CBC to verify medical provider review before Treatment #6. IF not thrombocytopenia present, may proceed with Treatment #6 and notify patient of NORMAL CBC (only if normal).

- **Treatment #6:** blood - 30mL, ozone - 90mL of 70 gamma in 80mL NS
- **Treatment #7:** blood - 60mL, ozone - 180mL of 70 gamma in 50mL NS
- **Treatment #8:** blood - 60mL, ozone - 180mL of 70 gamma in 50mL NS
- **Treatment #9:** blood - 60mL, ozone - 180mL of 70 gamma in 50mL NS
- **Treatment #10:** blood - 60mL, ozone - 180mL of 70 gamma in 50mL NS

