

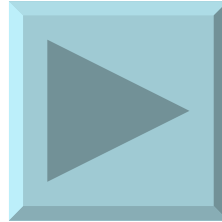
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***New methods  
of ozonotherapy  
and efficiency  
quality monitoring of  
ozonotherapy***



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**Animation illustrating the essence  
of method major autohemotherapy  
developed by “Econika SPE”**

## Advantages of a method MAHT developed by Econika

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	<b>Method Econika SPE</b>	<b>Traditional Method</b>
<b>Diameter of a needle for extraction of blood</b>	<b>0,7 mm or catheter</b>	<b>1.2 mm</b>
<b>Speed extraction of blood</b>	<b>10-40 ml/min, electronic control</b>	<b>Manually, vacuum bottle</b>
<b>Speed of return of blood</b>	<b>10-40 ml/min, electronic control</b>	<b>Manually, by gravity</b>
<b>Ozone batching</b>	<b>electronic control</b>	<b>Manually</b>
<b>Time of carrying out of procedure</b>	<b>6-8 min</b>	<b>30-40 min</b>
<b>Cost of procedure</b>	<b>2 euro</b>	<b>12 euro</b>

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## Application Bozon-LOR for treatment otolaryngologic diseases (55 children at the age of 8-14 years)

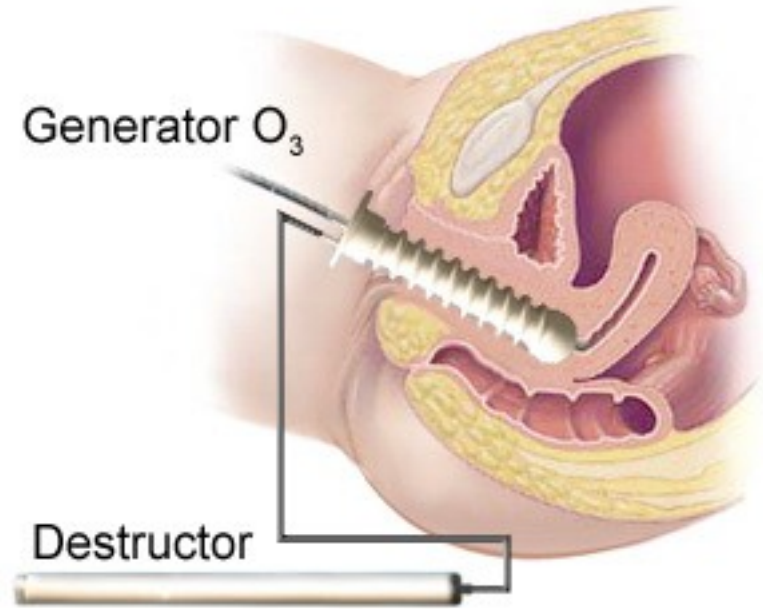
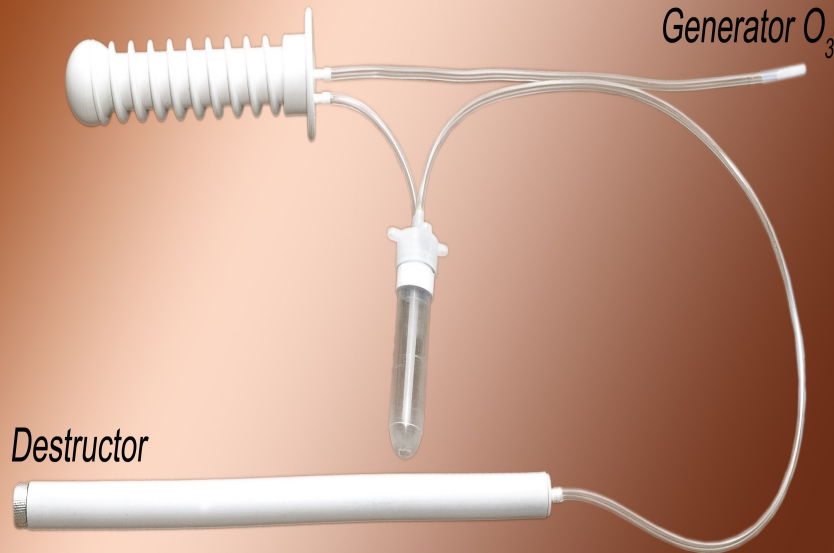
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microflora	nosology		
	Acute purulent average otitis	Acute Rhinosinusit	chronic purulent antritis
<b>St. Aureus</b>	<b>11</b>	<b>21</b>	<b>10</b>
<b>Str. Haemoliticus</b>	<b>1</b>	-	<b>1</b>
<b>St. Epidermalis</b>	<b>2</b>	-	<b>1</b>
<b>E. Coli</b>	<b>3</b>	<b>2</b>	<b>1</b>

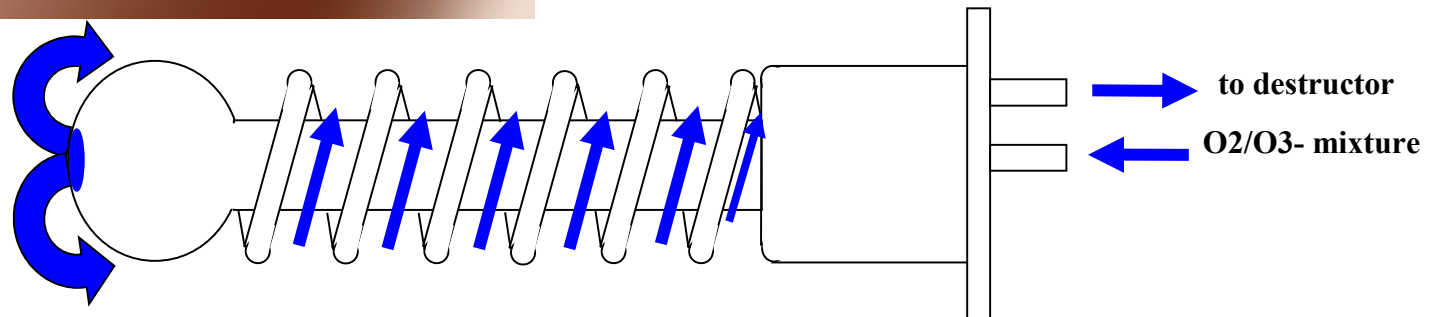
**It is possible to make a conclusion that St. Aureus where found in sowing from 42 children which consist 76,4 %. After the providing of the treatment of by-effects it was not marked.**

nosology	Effect at end of course of treatment (10 procedures, 50 mg/L ozone, 10 min)		
	Very good	Good	Negative
Acute purulent average otitis	15 (88%)	2 (12%)	-
Acute Rhinosinusit	19 (82,6%)	4 (17,3%)	-
Chronic purulent antritis	10 (76,9%)	3 (23,1%)	-

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*“Bozon-VIN-150”- vaginal insufflation of ozone-oxygen mixture,  
pure ozonide oil or vaginal instillation  
of ozonized water*



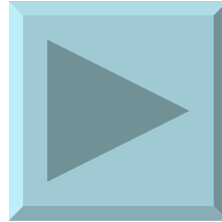
# Use of a vaginal insulator insulator Bozon-VIN-150 for the treatment of a vaginal bacteriosis

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Groups of patients	Before treatment	comparison group (40 patients) (traditional treatment)	basic group (40 patients) (vaginal ozone insufflation, 10 mg/L, 200 ml/min, 10 min)
Clinical and laboratory researches			
<i>Mobiluncus</i>	40%	10%	2,5%
<i>Gardnerella vaginalis</i>	85%	12,5%	-
<i>Candida</i>	10%	2,5%	-
<i>E.coli</i>	1%	2,5%	2,5%
<i>Staph. aureus</i>	10%	2,5%	-
<i>Pepto-streptococcus</i>	45%	5%	2,5%
<i>Staph. epidermidis</i>	65%	5%	5%
<i>Corynebacterium</i>	15%	5%	2,5%
Relapses during 6 months		40%	5%

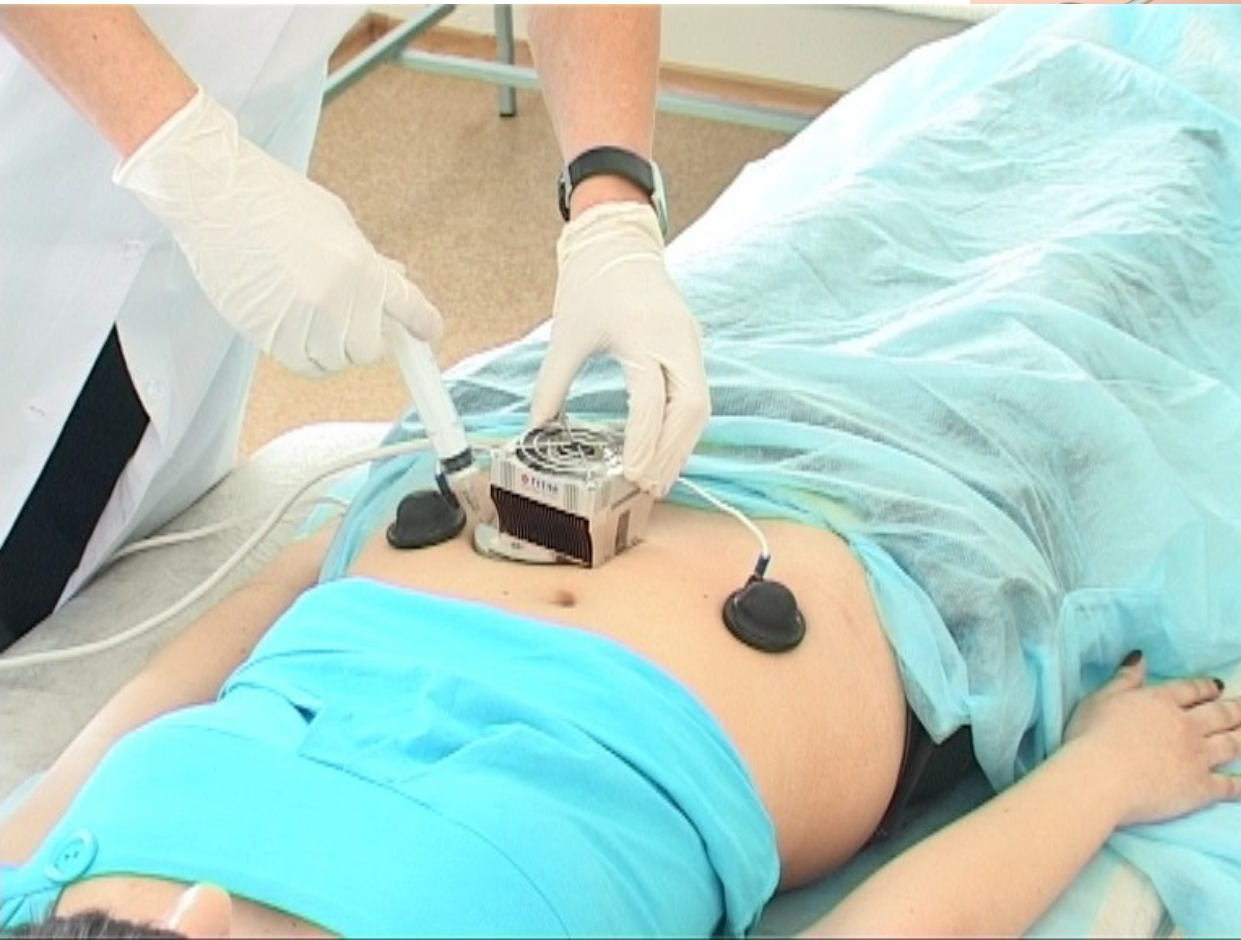
Under supervision was 80 patients suffering from relapses bacterial vaginosis. Duration of a current of pathological process varied from 6 months till 2 years. 80% of patients had earlier gynecologic diseases.





**Bozon-Sneg3. Animation illustrating the essence of the method for anaesthesia at anti-cellulite programs by application of the applying special interference currents and anaesthesia by cold.**

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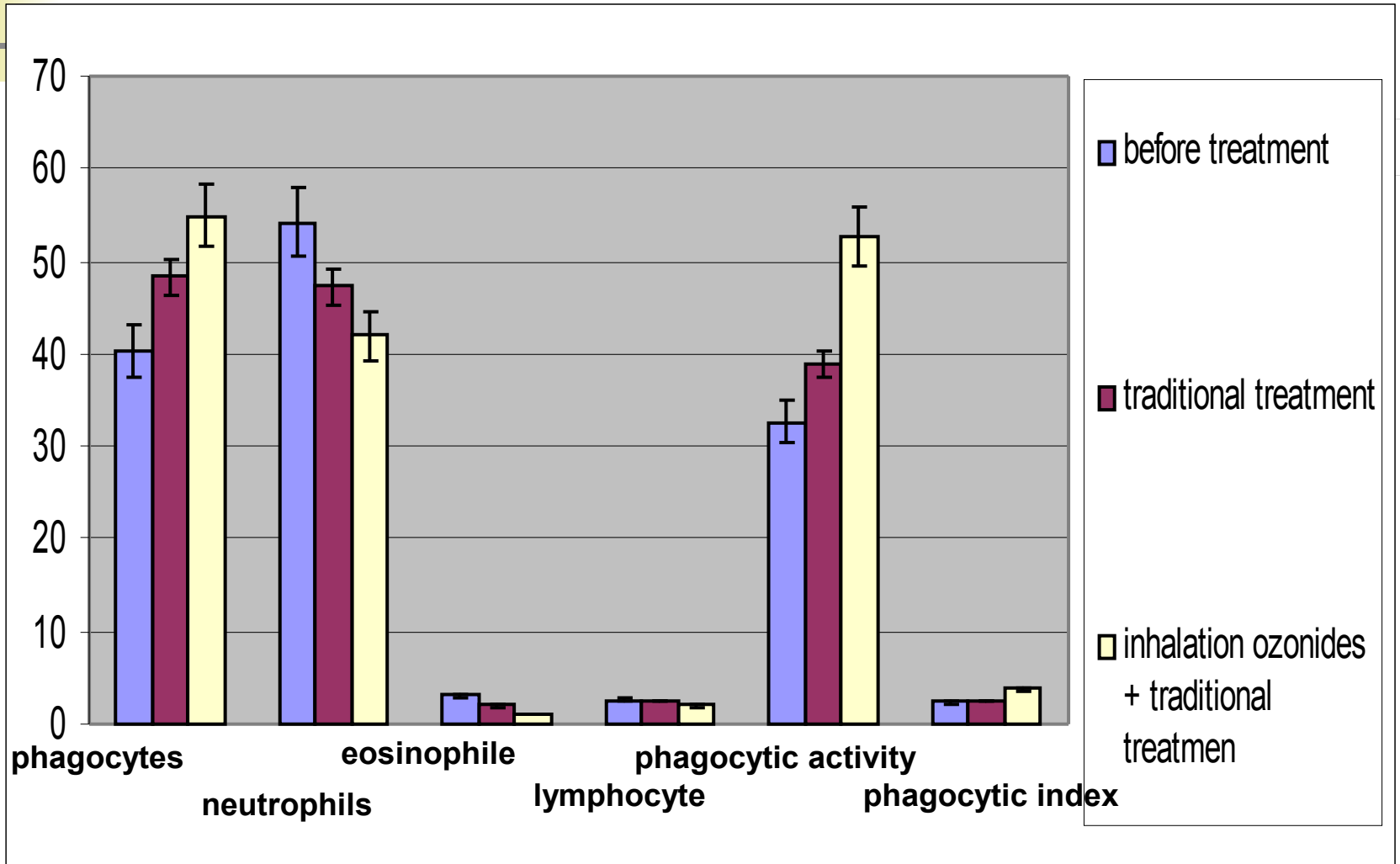
*New methods based  
on use chemically pure  
ozonide of oleic acid*

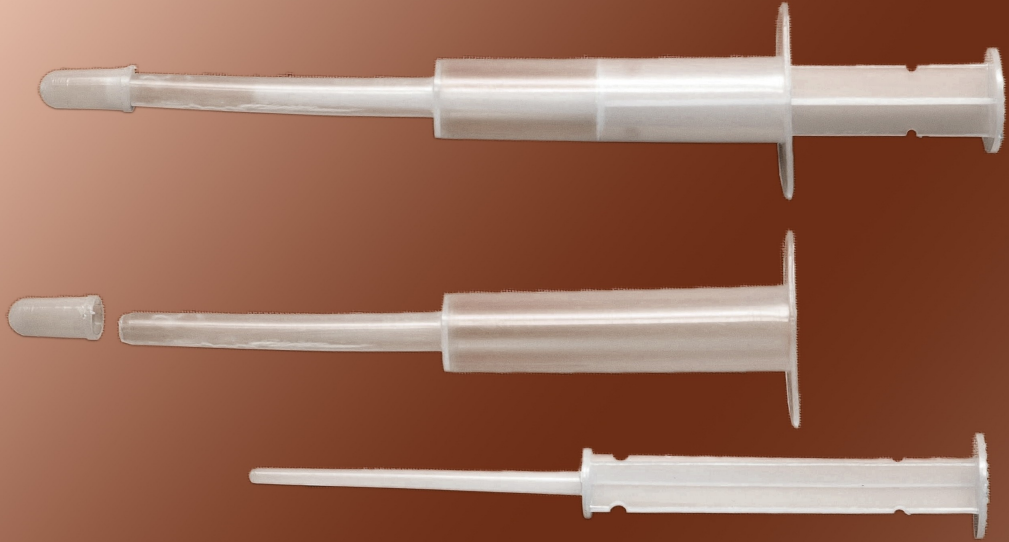




**Characteristics of immune cells in phlegm of a children sick on a chronic obstructive bronchitis(182 children between the ages of 7 to 14 years, treated with an inhalation of ozonated water given as an ultrasonic dispersion, once a day for 5 minutes, course of treatment - 14 days))**

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# Use of the disposable device for storage and rectal-vaginal introductions of a solution of pure ozonides RVPO-600

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Part1.

**Adenoma, prostatitis (78 patients participated in experiment. Two were daily used RVPO-600)**

## group of patients - nozology

adenoma	prostatitis	cystitisitis	urethritis	adenoma + prostatitis
21.7%	42.9%	20.6%	4.5%	10.3%

**International scale assessment of prostatic symptoms (IRSS) was used in this study: «Very good» - a complete absence of symptoms; «good» - expressed improvement; «satisfactory» - 50% improvement in symptoms; unsatisfactory - the dynamics of small and «lack of action».**

## Dynamics of common clinical symptoms

	tiredness	weakness	decreased appetite
before treatment	89.5%	94%	50%
after treatment	22.5%	34%	11%

## Dynamics of a painful syndrome

	Pain in perineum	morbidity prostate	Morbidity in an urethra
before treatment	69%	64%	98%
after treatment	23%	11%	17.5%

### Dynamics of a symptom data of urination

	speeded up urination	Pollaki uria	Polyuria	complicated urination	Urine incontinence	Imperative desire	Feeling incomplete evacuation
<b>before</b>	<b>100 %</b>	<b>96%</b>	<b>34%</b>	<b>85%</b>	<b>44.5%</b>	<b>92%</b>	<b>98.5%</b>
<b>after</b>	<b>27.5%</b>	<b>11%</b>	<b>28%</b>	<b>17.5%</b>	<b>17%</b>	<b>12.5%</b>	<b>15%</b>

### Parametres secretion of prostate

	leucocytes	erythrocytes
<b>before</b>	<b>81%</b>	<b>75%</b>
<b>after</b>	<b>11.5%</b>	<b>9,7%</b>

### Efficiency of a therapy

"Very good" and "good"	"Satisfactory"	"Not satisfactory"
<b>78%</b>	<b>19,5%</b>	<b>2,5%</b>

## Part 2. Use RVPO-600 for treatment of Hemorrhoids and Anal Fissure

The experimental group consisted of patients with two nosological forms - hemorrhoids (163), anal fissure (141). 14,5 % of patients had this combinations.

Nosological forms					
Anal fissure		Hemorrhoids			
Acute form	Chronic form	1 stage	2 stage	3 stage	4 stage
62	79	22	36	54	51

Clinical manifestation	Nosological forms	
	Anal fissure	Hemorrhoids
Bleeding	19.2 %	5,7 %
Prolapse external hemorrhoids	10.1 %	44,4 %
Painful syndrome	91 %	7,5 %
Anal an itch	42.3 %	3,2 %

As a result of the treatment, a steady therapeutical effect was achieved in 96 % of the cases, within 7-14 days. In remaining 4 % of cases, all of which had the presence of a thrombosis and necrosis external haemorodis or two years of existing anal fissures, treatment proceeded more than 14 days.

	Results of treatment		
	Good	Satisfactory	Unsatisfactory
Anal fissure	72.3%	23.1	4.6
Hemorrhoids	69.1	25	5.9

**GOOD** - full epithelisation of anal fissures, external hemorrhoids were reduced in size more than in 2 times, **SATISFACTORY** - Full disappearance of the some clinical symptoms (anal an itch, slime allocation, a bleeding) and incomplete disappearance of a some kind of it (a pain and prolapse of a external hemorrhoids)



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# Application of OzonVita-Denta for treatment of the parodontitis

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Indexes , tests		Schiller's test	Parma test	Kech ketest	Indexes of hygiene of an oral cavity				Microcirculation in a gum		Depth of pockets
					GI	VGI	PMA	CPI TN	Grad. of distinct.	Asymmetry factor	
Patients, treatment 7 days, two times a day	before	+	+	+	3,47	2.11	45,9	2,8	0,22	0,130	4 mm
	In 1 month	-	-	-	1,0	0,2	0	0	0,12	0,05	3 mm
Patient, 56 years General. parodontitis aver. degree	before	+	-	-	2.4	1,2	22,5	1,8	0,18	0.11	2 mm
	In 1 month	-	-	-	1	0.4	0	0	0,13	0.06	1 mm





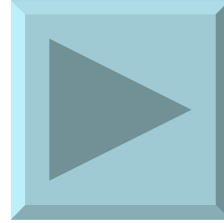




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# Efficiency quality monitoring of ozonotherapy

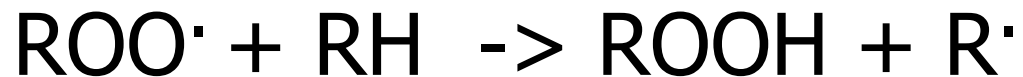
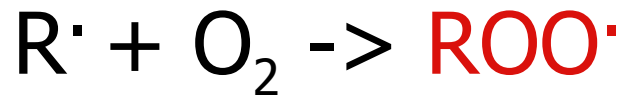
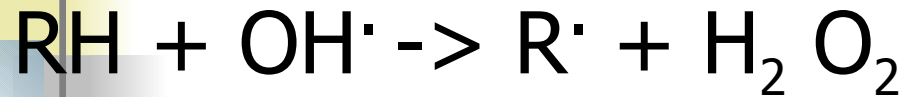


**Animation illustrating the essence of the method of measurements of speed of a capillary blood-groove**

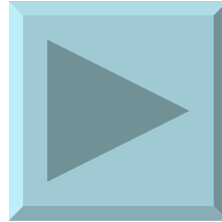
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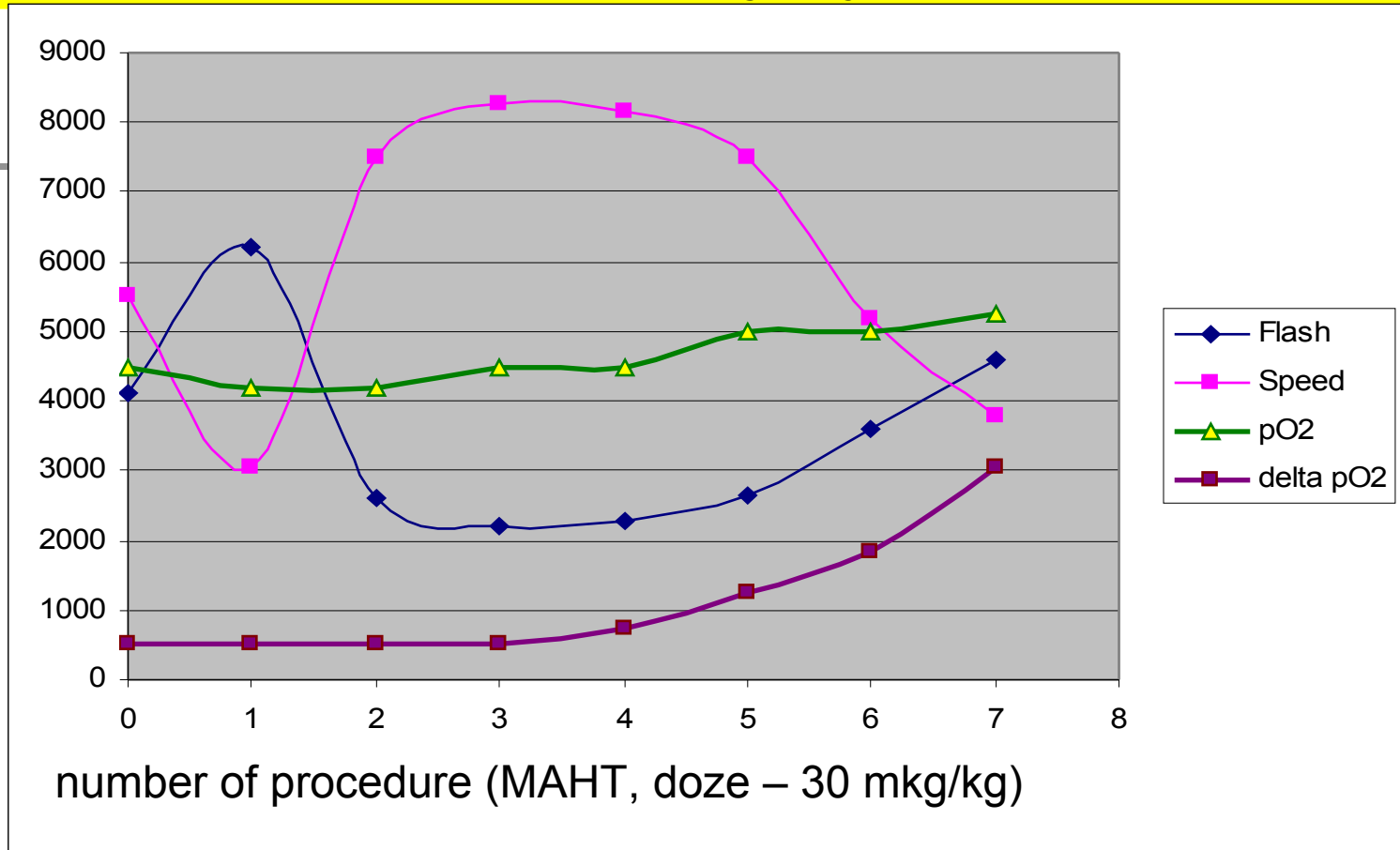


**Animation illustrating essence of the method of balance estimations lipids peroxide oxidation (LPO) and antioxidant system (AOS) in an organism of patients receiving a course of ozonotherapy**



# Dynamics of amplitude of flash of chemiluminescence, velocity of a capillary blood-groove and partial pressure of oxygen in venous blood within a course of a autohemotherapy major

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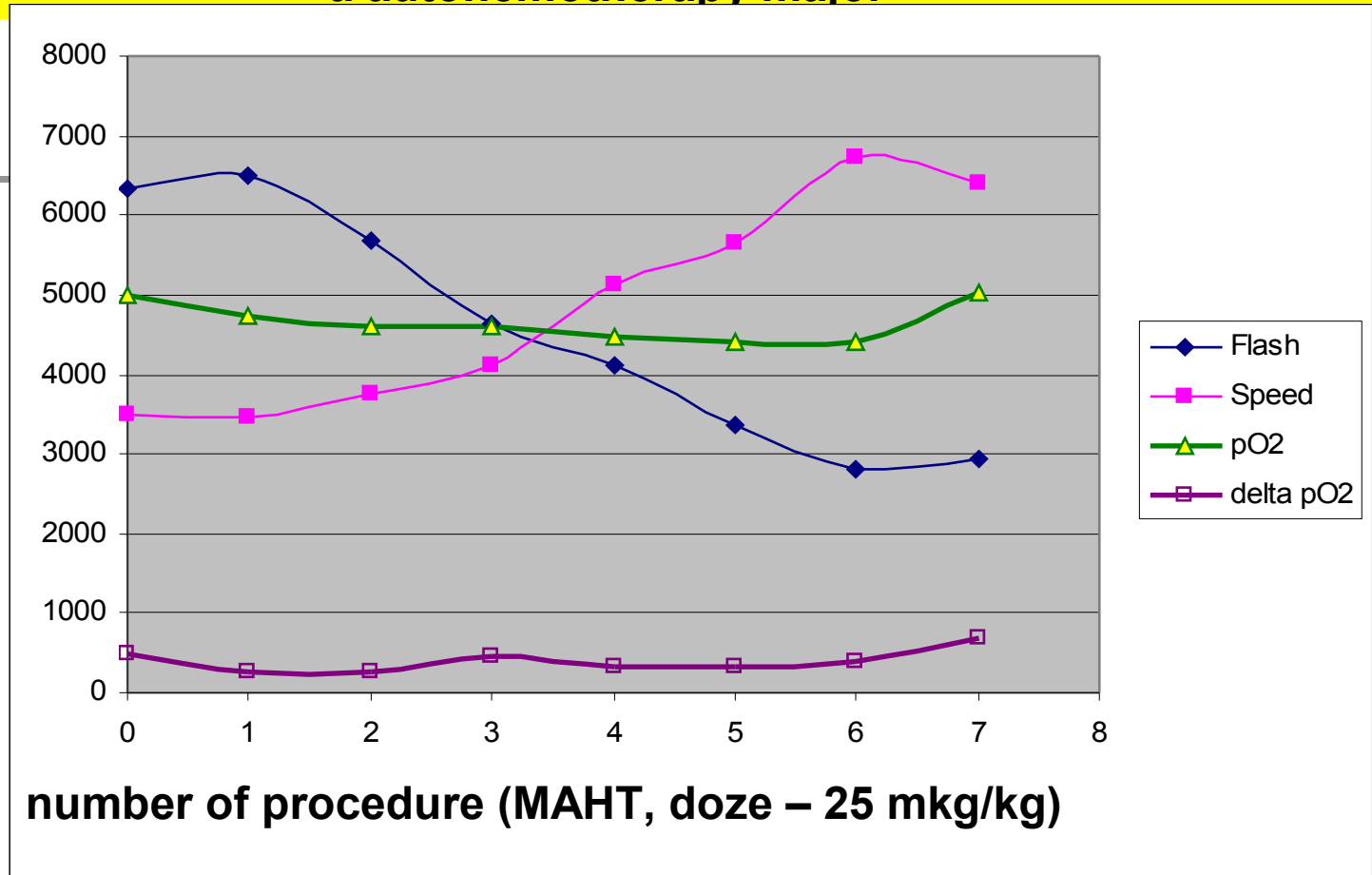
Velocity of movement of blood(cm/s) = speed/1000

partial pressure of O<sub>2</sub> in venous blood = pO<sub>2</sub>/100

difference between partial pressure of pO<sub>2</sub> after and before  
oxygenation of blood = delta pO<sub>2</sub>/100

# Dynamics of amplitude of flash of chemiluminescence, velocity of a capillary blood-groove and partial pressure of oxygen in venous blood within a course of a autohemotherapy major

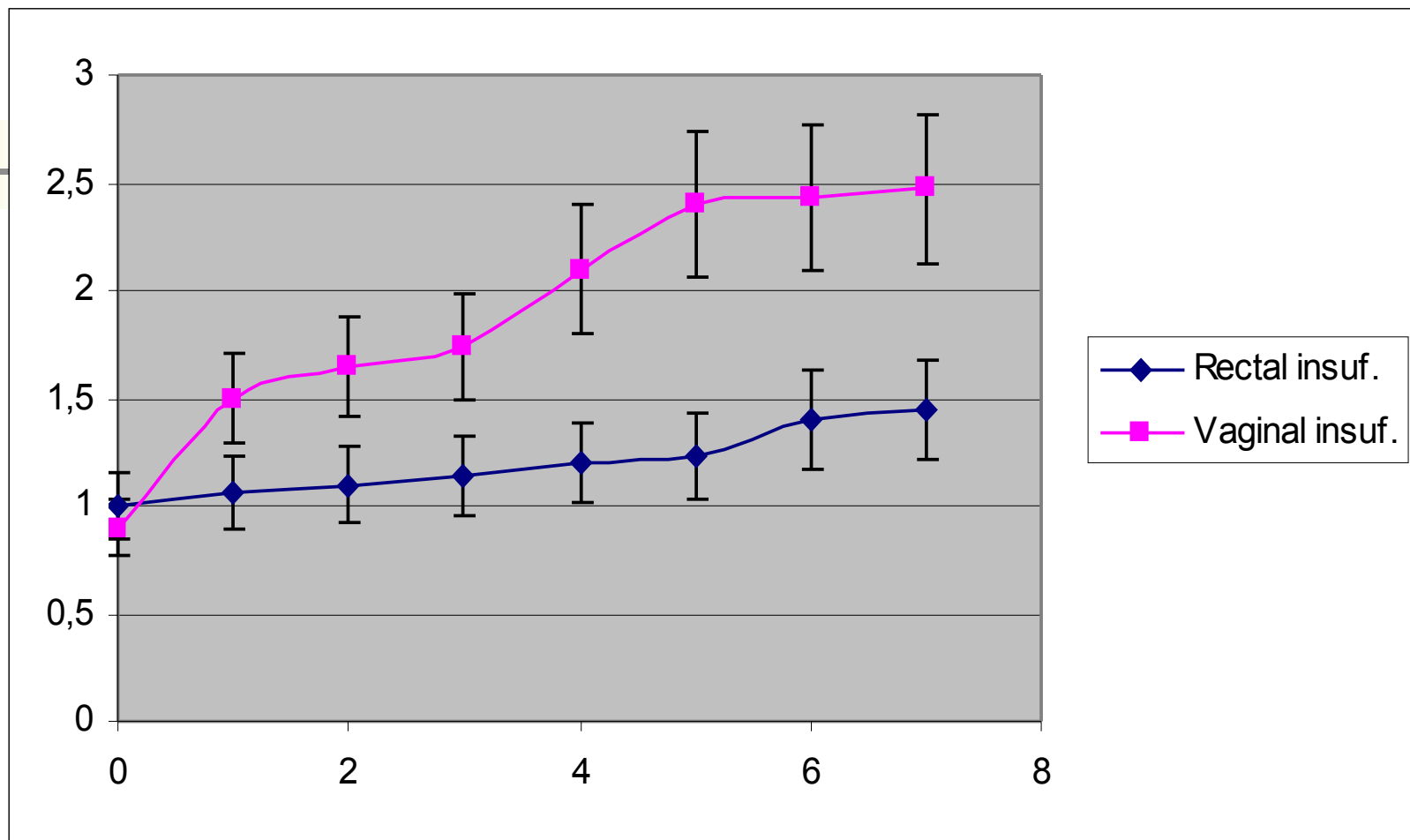
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**velocity of movement of blood(cm/s) = speed/1000**  
**partial pressure of O2 in venous blood = pO2/100**  
**difference between partial pressure of pO2 after and before**  
**oxygenation of blood = delta pO2/100**

# Dynamics of velocity of a capillary blood-groove of oxygen in venous blood during a course autohemotherapy major

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**Ordinate - velocity of movement of blood(cm/s)**

**Rectal insufflation – 0.3 L O<sub>2</sub>/O<sub>3</sub> – mix with conc. 40 mg/L**

**Vaginal insufflation (VIN-150) – 10 mg/l, 200 ml/min,10 min**



***Thank for attention!***

