

BUDAPEST
12 October 2018



Dentistry and essential Oils

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Università Studi di Roma Sapienza - Clid Isernia

Paradontal Pathology





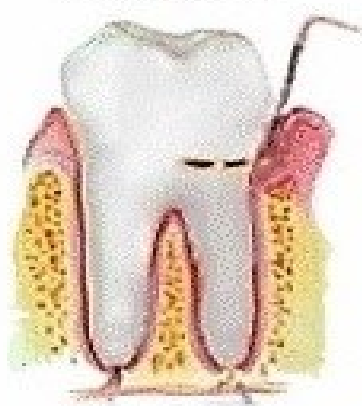
Periodontal diseases are an inflammatory condition of the gingiva (gingivitis) and/or periodontal

Periodontitis

Gingivitis



simple



moderate



severe



The periodontal disease generally refers to an illness that typically progresses from gum disease to periodont disease

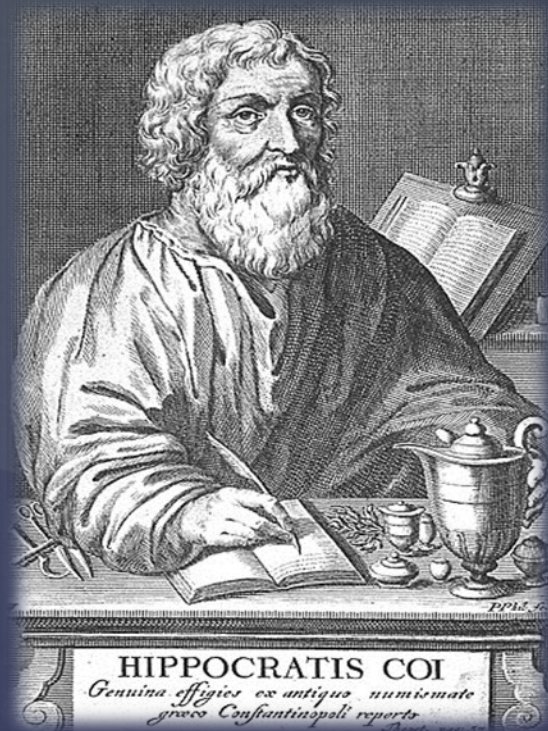
The periodontal disease can be the demonstration of a systemic illness as the diabetes mellito, the collagenopaties, the leukemia, the anemia or the states of vitaminic lack. Have been reported cases of association with atherosclerosis and Iatrogenic



Fundamental purpose of dentistry and dental hygienist: to improve the state of dental health by controlling and preventing the causes of periodontal disease

Phytotherapy is the science that studies the therapeutic properties of plants and the use of herbal medicines in the treatment of diseases

Hippocrates, the father of medicine, in his opera *Corpus Ippocratium*, affirmed: “*Let food be thy medicine and medicine be thy food.*”



MONDADORI - BIELLE

1,90 EURO (IN ITALIA)
OTTOBRE 2007

Stammine

ti piaci e sei felice

50 corsi che possono cambiarti la vita
Salute & Bellezza
Cultura & Società

Meteoropatia
SENTI IL TEMPO?
SCOPRI PERCHÉ CALDO, FREDDO, PIOGGIA E VENTO INFLUISCONO SUL TUO UMORE E LA TUA SALUTE

FLUSSO EXTRA LARGE
Tutti gli esami e le cure giuste per essere ok in quei giorni

Dimagrisci e ti rinforzi CON YOGURT & Co.
Potenzia le tue difese, subito!

Minifour del ritocco
Quanto risparmi e cosa rischi se ti rifai il look all'estero

RIENTRO IN CITTÀ
Ricomincia alla grande
• SAVAIA TONORE E LA TAMPANELLA COME I BRONZI BEAUTY A BASE DI ORO PER LA PELLE BRUTTA
• VITA LE PENSIONI CON I RIBI E I BUCHI
• MENO CIBILI CUCINANDO SU www.nature.it

0077120527003

Golf: perché ti conviene imparare adesso

5 MAGAZINE NAZIONALI PIÙ LETTE NEL MONDO

2,80 Euro

Men's Health

Preparati in sole 4 settimane

UN FISICO DA SPIAGGIA

BATTILO STRESS
STACCA LA SPINA P.69

SESSO
COME LEGGERE NELLA MENTE DELLE DONNE P.84

MANGIA PIZZA RESTA SANO
P.100

Speciale orologi
I MODELLI 2007

5 MODI EFFICACI PER SALVARTI I CAPELLI

FAI TU L'ESAME AL MEDICO
È DAVVERO QUELLO GIUSTO PER TE? P.77

IL TEST SCOPRI QUANTO SEI SEXY

La tua estate più bella

81 SUPERDRITTE PER IL TUO DIVERTIMENTO

Di sportista ERIC DANE
Pochi, il rischio più basso
di 100, il suo tempo è breve
che nessuno è mai stato.

www.menshealth.it

SETTIMANALE DI SALUTE, BELLEZZA, ALI, CONSUMI

Vivisani

1 BELLA € 1,00

avaria in Italia
CI SONO RISCHI PER LA SALUTE? LA CARNE DI POLLO È SICURA?

ZANZARA TIGRE
VIRUS CHIKUNGUNYA ORA ANCHE IN ROMAGNA

capelli
MI FACCIO BIONDA O BRUNA? GUIDA ALLA SCELTA DEL COLORE

AYURVEDA
contro il mal d'autunno

PANCETTA
RIDURLA CON I COSMETICI

BAMBINI
quando controllare la vista

- 5 kg in 14 giorni con la dieta rassodante

il cuore si salva con le staminali
una nuova scoperta della medicina

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15% of the population uses
phytotherapeutic therapy.



Phytotherapy

Allopathy

Homeopathy



THE ESSENTIAL OILS ARE
NATURAL PRODUCTS
OBTAINED FOR
EXTRACTION FROM
HERBS AND OFFICIAL
PLANTS

Bio RIGENERA[®]

BIO-REGENERÁLÓ ÉS
BIO-BÖRGYÓGYÍTÓ LIPOGÉL

Dental



Bio-Rigenera az első
természetes alternatívája
klórhexidinnak



25 ml e

BIOSTAMINA
The future of Cosmetics
& Medical Devices
Made in Italy

CE 0425

Stimulates the
immune defenses.
Block
hyaluronidase

Echinacea



Rich in silicon
Stimulates
osteoblasts and
fibroblasts.
Diuretic.

Horsetail



Grapefruit seeds

Powerful
antibacterial
and antifungal.



Antibiotic activity
towards GRAM-
positive.

Increased fibrin
production due to
high carotenoid
content.

Calendula



Hypericum

Stimulates
fibroblasts and tissue
regeneration.
Antidepressant.



Ozone

Ozone (O₃) is a natural gaseous molecule defined as an allotropic form of oxygen.





Ozone, is one of the most important gases in the stratosphere and thanks to its ability to filter ultraviolet rays, is essential for maintaining the biological equilibrium in the biosphere.



It is a triatomic molecule of oxygen (O_3) from the molecular weight of 47.98 g/mol, highly unstable, able to react releasing molecular oxygen (O_2), and an extremely reactive oxygen atom ($O_3 \rightarrow O_2 + O$).

The half-life of O_3 shortens with increasing temperature.

At + 20 ° is 40 minutes.

MAIN ACTIONS OF THE OZONE IN THE MEDICAL FIELD

- *Damage to the cytoplasmic membrane*
- *Oxidation of intracellular components*
- *Immunostimulant*
- *Activation of the humoral immune system*
- *Sintesi di immunoglobuline*
- *Increased phagocytic activity*
- *Activation of biological antioxidants*
- *Analgesic*
- *Anti-hypoxic*
- *Activation of aerobic processes (Krebs cycle, glycolysis, fatty acid bioxidation)*
- *Increased cellular metabolism (ribosomes and mitochondria)*
- *Biostimulating*
- *Synthesis of Interleuchine, leukotrienes and prostaglandins*
- *Synthesis of immunoglobulin*

OZONIZED OIL AND OZONIDE ***1***

Ozonated oil is a vegetable oil in whose molecule are present unsaturated fatty acids, subjected to the action of ozone.

OZONIZED OIL AND OZONIDE 2

Ozonide they act by restoring ionic electrical potential of the cell membrane of the altered tissues.

About viruses, it was found that the ozonides they block the viral receptors and kill the virus-infected cells, stopping their propagation.





SAPIENZA
UNIVERSITÀ DI ROMA

FACOLTA' DI MEDICINA E ODONTOIATRIA

Corso di Laurea in Igiene Dentale

Presidente: Chiar.mo Prof. Roberto Di Giorgio

Tesi di Laurea

Utilizzo di un nuovo gel fitoterapico

nelle parodontopatie

RelatoreCandidato

Chiar.mo Prof. Roberto Di Giorgio

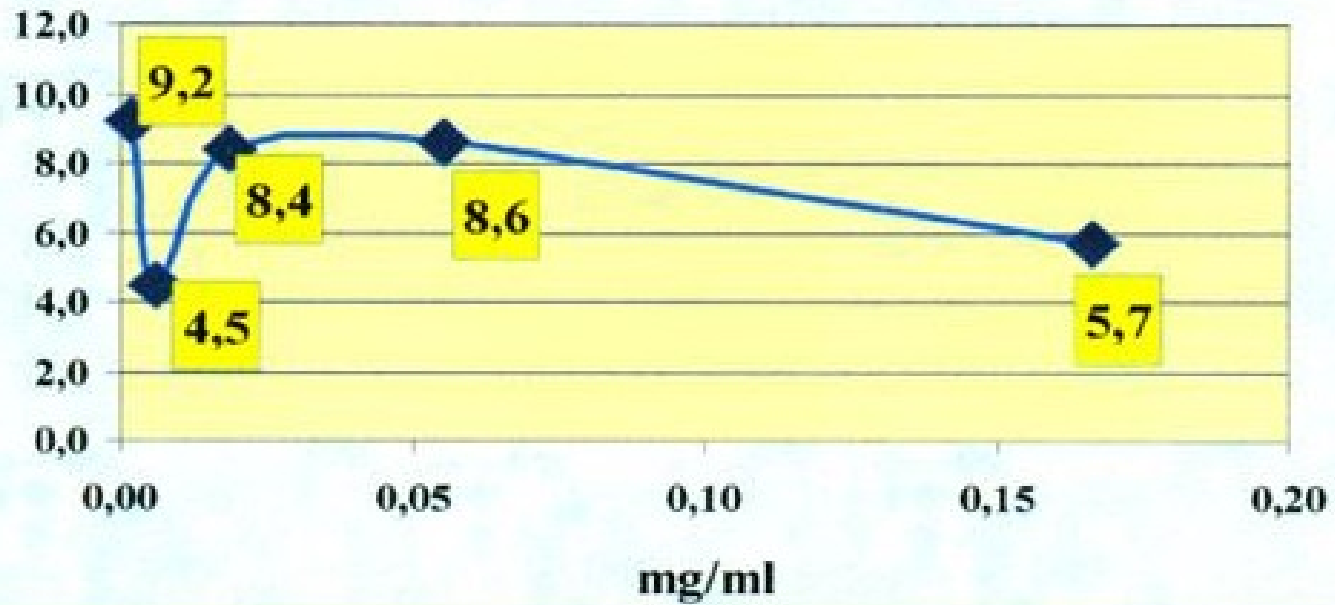
Davide Testa

Matricola 1699566

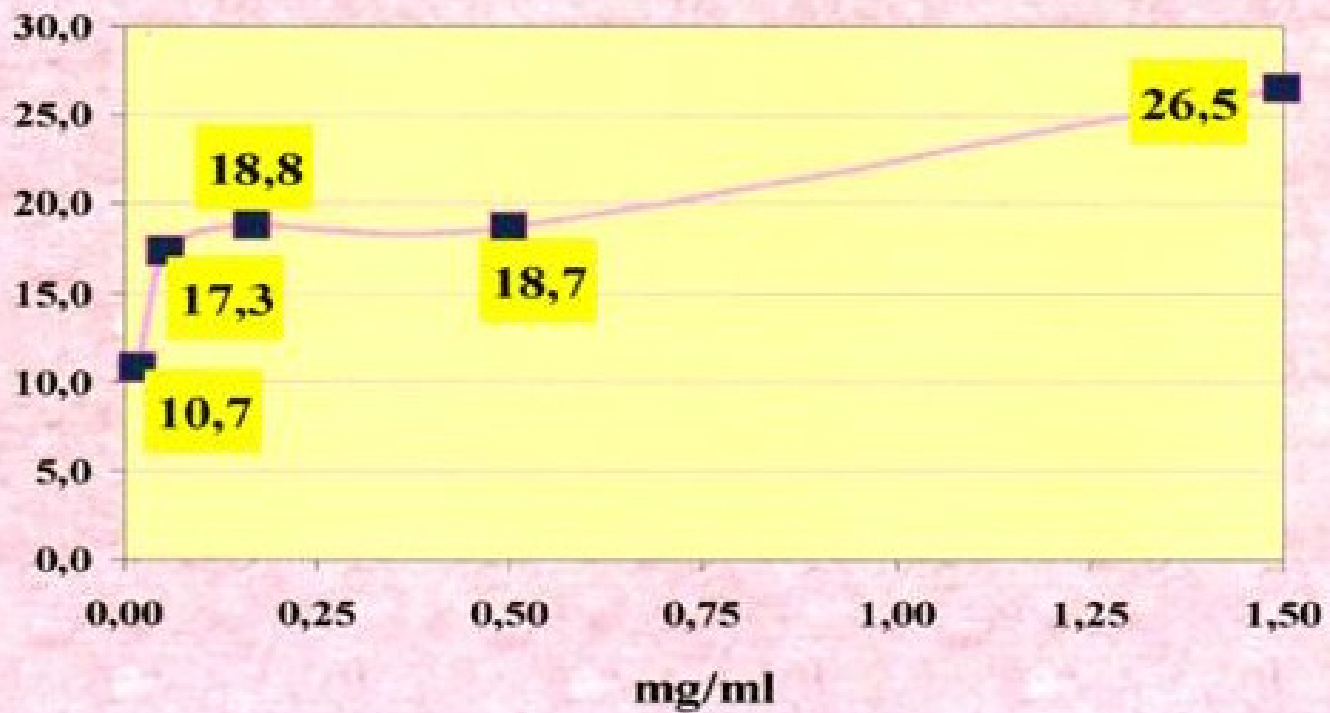
Correlatore

Chiar.mo Prof. Andrea Possenti

**% di stimolazione della crescita cellulare/
% cell growth stimulation**



**% di stimolazione della crescita cellulare/
% cell growth stimulation**



BIORIGENERA

DEMONSTRATED TO HAVE REGENERATING ACTIVITIES ON CELLULAR CROPS OF THE BONE TISSUE OF HUMAN ORIGIN. AFTER 24 HOURS OF INCUBATION, THE SAMPLE RESULTS TO HAVE A GREATER REGENERATING ACTIVITY IN CONCENTRATIONS BETWEEN 0.019 AND 1.5 MG / ML.

IN ANALYZED GROWTH CONDITIONS, THE PRODUCT HAS DEMONSTRATED TO POSSESS A STIMULATING ACTIVITY TO THE SIGNIFICANT CELLULAR GROWTH ON FIBROBLASTS

giorni	% riduzione sanguinamento al sondaggio BOP (100% percentuale)			% riduzione sanguinamento (100% percentuale)		
	dolore			dolore		
0	Severo	7	25%	Severo	5	25%
	Moderato	3	50%	Moderato	3	50%
	Lieve	0	75%	Lieve	0	75%
	Assente	0	GUARIGIONE	Assente	0	GUARIGIONE
1	Severo	4	25%	Severo	4	25%
	Moderato	3	50%	Moderato	4	50%
	Lieve	3	75%	Lieve	0	75%
	Assente	0	GUARIGIONE	Assente	0	GUARIGIONE
2	Severo	3	25%	Severo	3	25%
	Moderato	3	50%	Moderato	5	50%
	Lieve	4	75%	Lieve	0	75%
	Assente	0	GUARIGIONE	Assente	0	GUARIGIONE
3	Severo	3	25%	Severo	3	25%
	Moderato	3	50%	Moderato	5	50%
	Lieve	4	75%	Lieve	0	75%
	Assente	0	GUARIGIONE	Assente	0	GUARIGIONE
4	Severo	2	25%	Severo	2	25%
	Moderato	2	50%	Moderato	6	50%
	Lieve	6	75%	Lieve	0	75%
	Assente	0	GUARIGIONE	Assente	0	GUARIGIONE
5	Severo	1	25%	Severo	2	25%
	Moderato	2	50%	Moderato	5	50%
	Lieve	7	75%	Lieve	1	75%
	Assente	0	GUARIGIONE	Assente	0	GUARIGIONE
6	Severo	1	25%	Severo	2	25%
	Moderato	2	50%	Moderato	4	50%
	Lieve	7	75%	Lieve	2	75%
	Assente	0	GUARIGIONE	Assente	0	GUARIGIONE
7	Severo	0	25%	Severo	2	25%
	Moderato	2	50%	Moderato	4	50%
	Lieve	6	75%	Lieve	2	75%
	Assente	2	GUARIGIONE	Assente	0	GUARIGIONE
8	Severo	0	25%	Severo	1	25%
	Moderato	1	50%	Moderato	4	50%
	Lieve	6	75%	Lieve	3	75%
	Assente	3	GUARIGIONE	Assente	0	GUARIGIONE
9	Severo	0	25%	Severo	1	25%
	Moderato	0	50%	Moderato	4	50%
	Lieve	7	75%	Lieve	3	75%
	Assente	3	GUARIGIONE	Assente	0	GUARIGIONE
10	Severo	0	25%	Severo	0	25%
	Moderato	0	50%	Moderato	5	50%
	Lieve	5	75%	Lieve	2	75%
	Assente	5	GUARIGIONE	Assente	1	GUARIGIONE
11	Severo	0	25%	Severo	0	25%
	Moderato	0	50%	Moderato	4	50%
	Lieve	4	75%	Lieve	3	75%
	Assente	6	GUARIGIONE	Assente	1	GUARIGIONE
12	Severo	0	25%	Severo	0	25%
	Moderato	0	50%	Moderato	3	50%
	Lieve	1	75%	Lieve	3	75%
	Assente	9	GUARIGIONE	Assente	2	GUARIGIONE
13	Severo	0	25%	Severo	0	25%
	Moderato	0	50%	Moderato	0	50%
	Lieve	0	75%	Lieve	5	75%
	Assente	10	GUARIGIONE	Assente	3	GUARIGIONE
14	Severo	0	25%	Severo	0	25%
	Moderato	0	50%	Moderato	0	50%
	Lieve	0	75%	Lieve	3	75%
	Assente	10	GUARIGIONE	Assente	5	GUARIGIONE
15	Severo	0	25%	Severo	0	25%
	Moderato	0	50%	Moderato	0	50%
	Lieve	0	75%	Lieve	0	75%
	Assente	10	GUARIGIONE	Assente	8	GUARIGIONE

Serious periodontal disease of 41

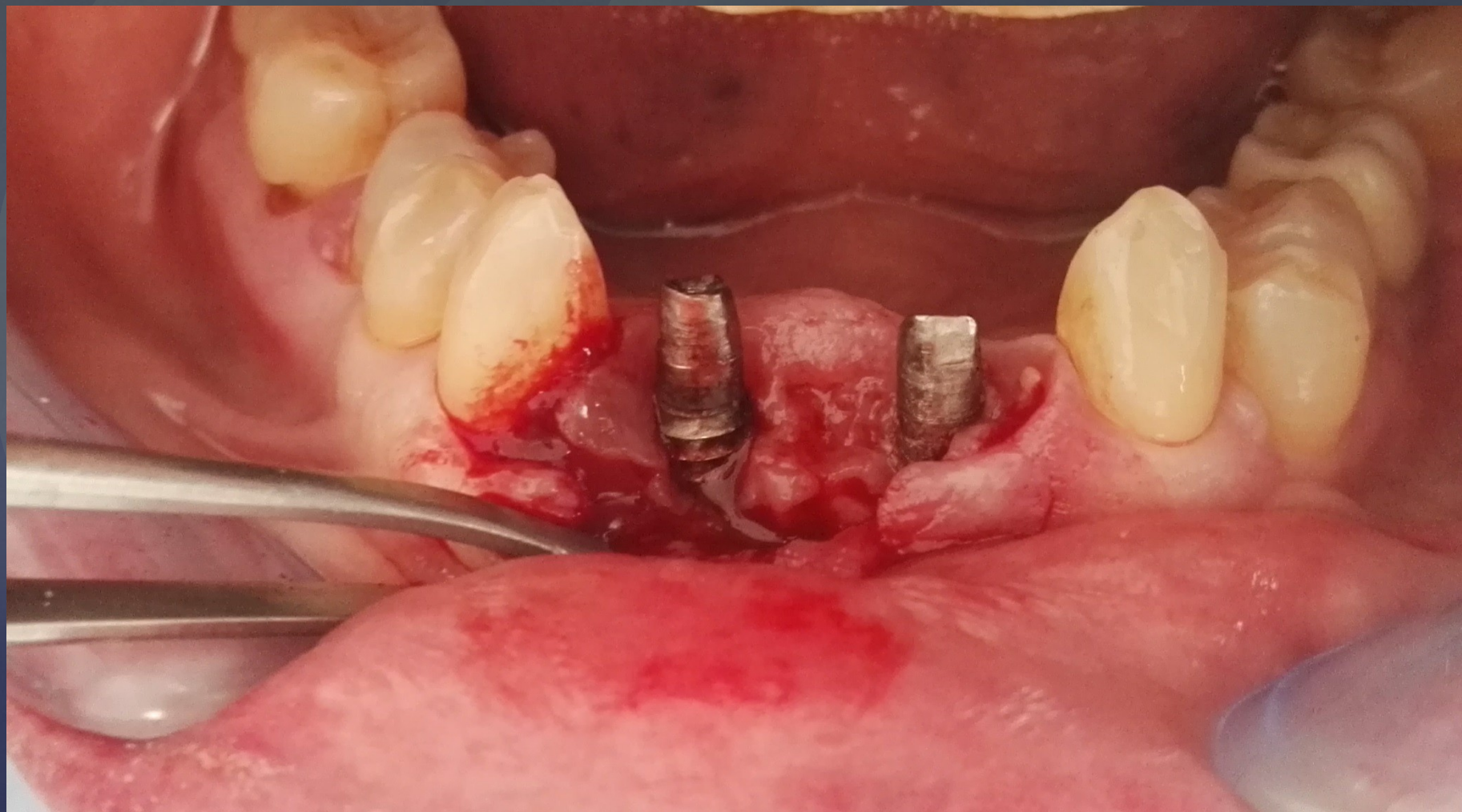


1 month post-intervention and ozone therapy

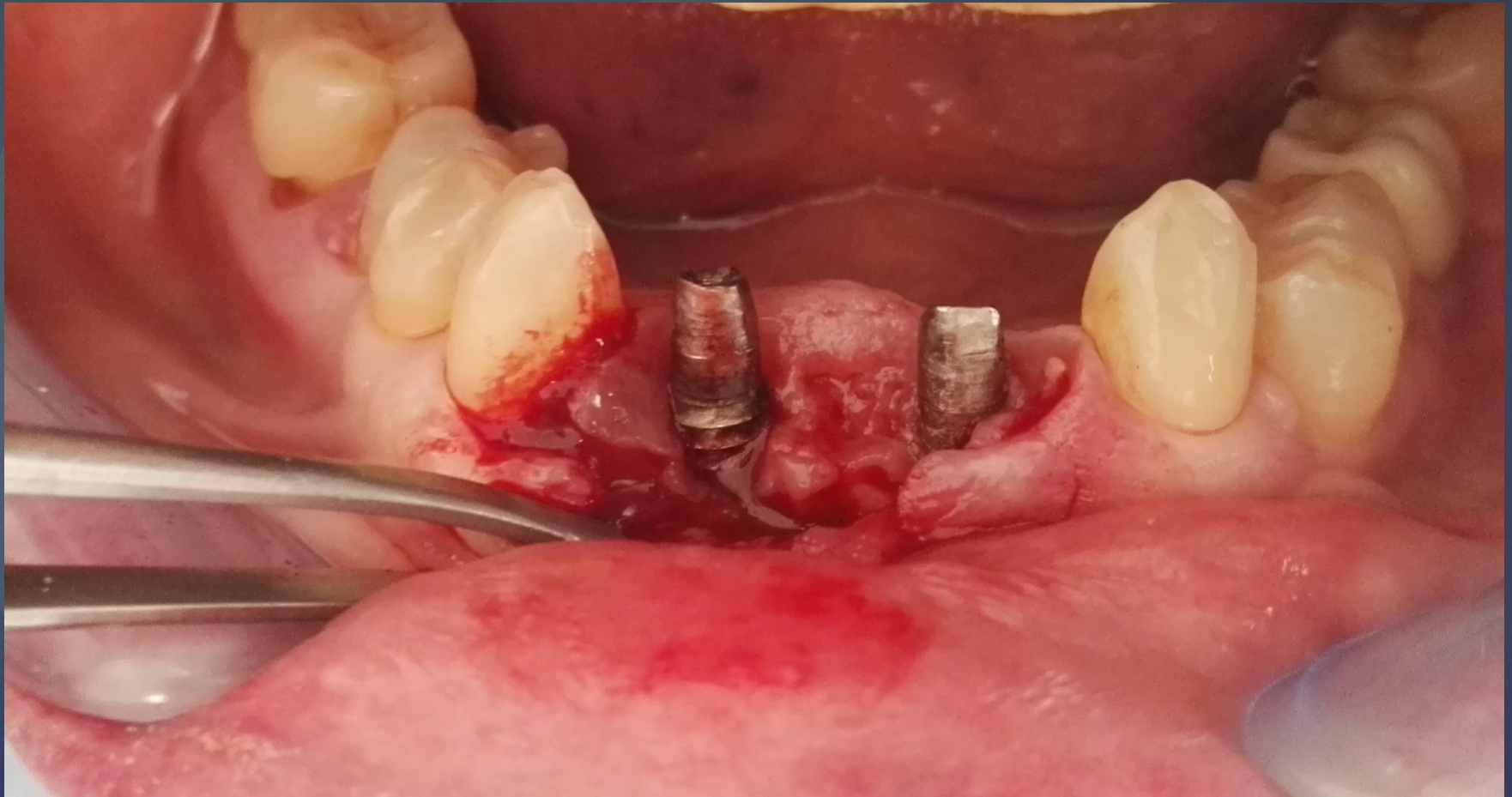


Perimplantitis intervention

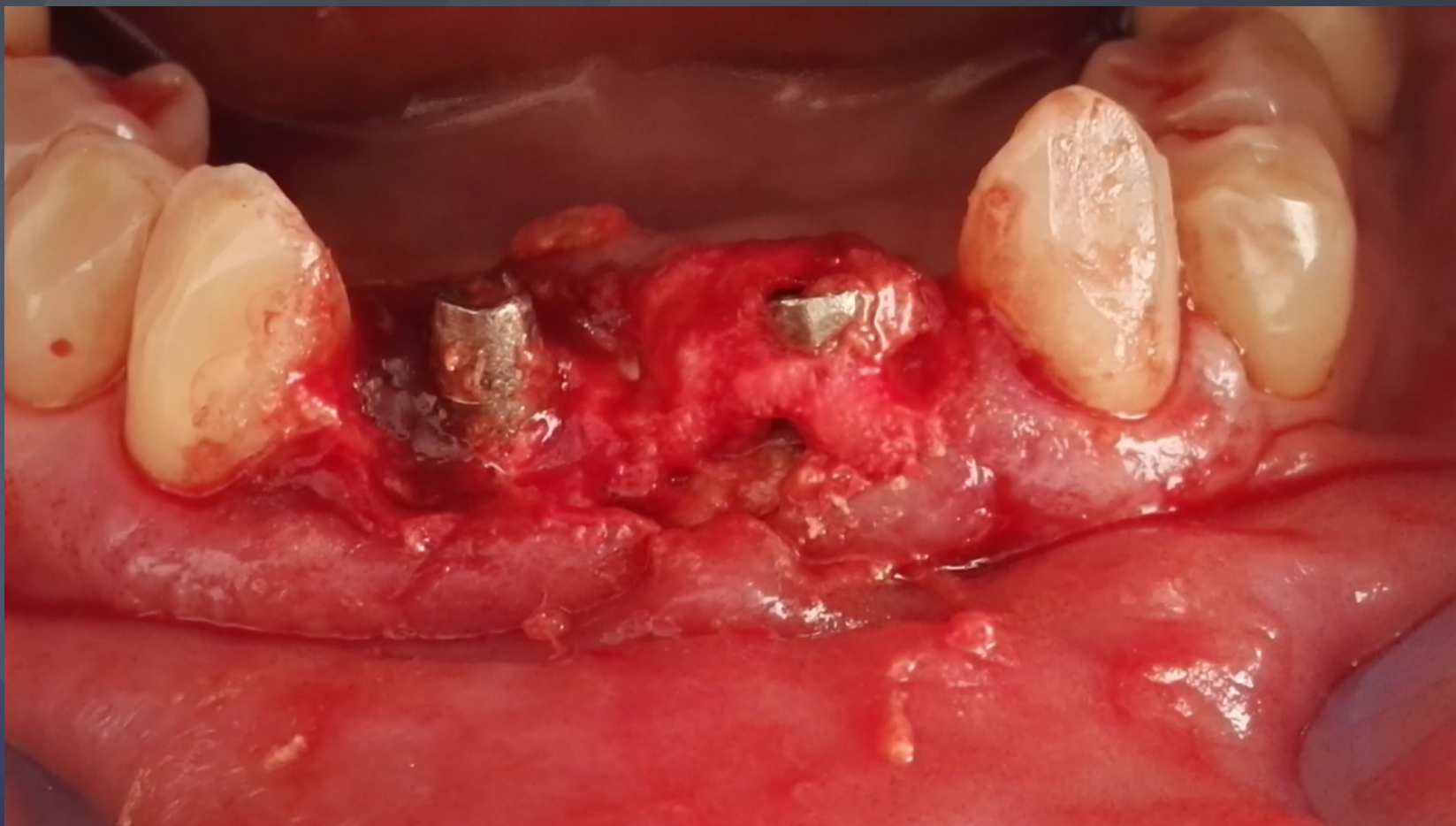
32-42



Intervention

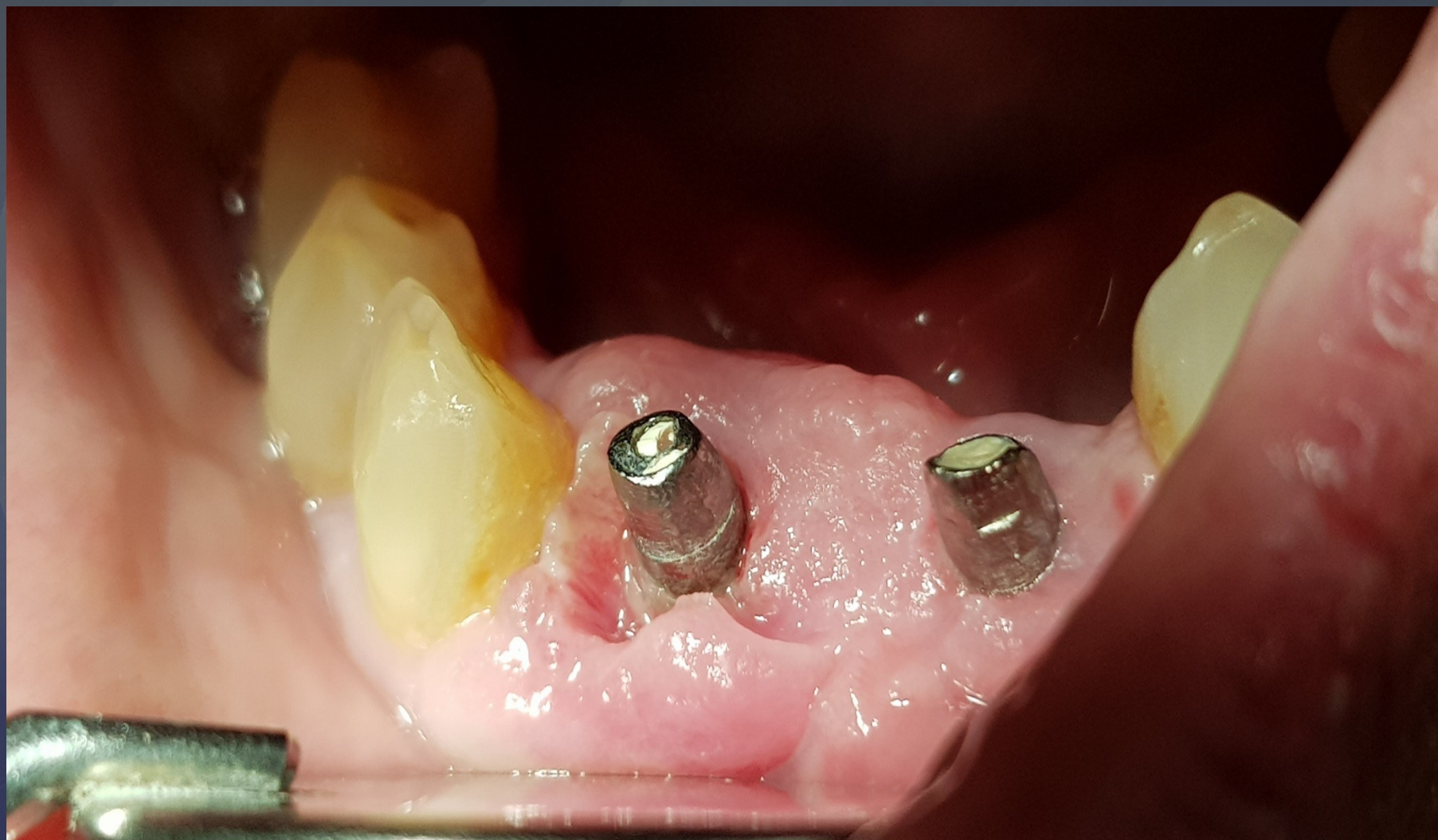


Intervention





6 months later





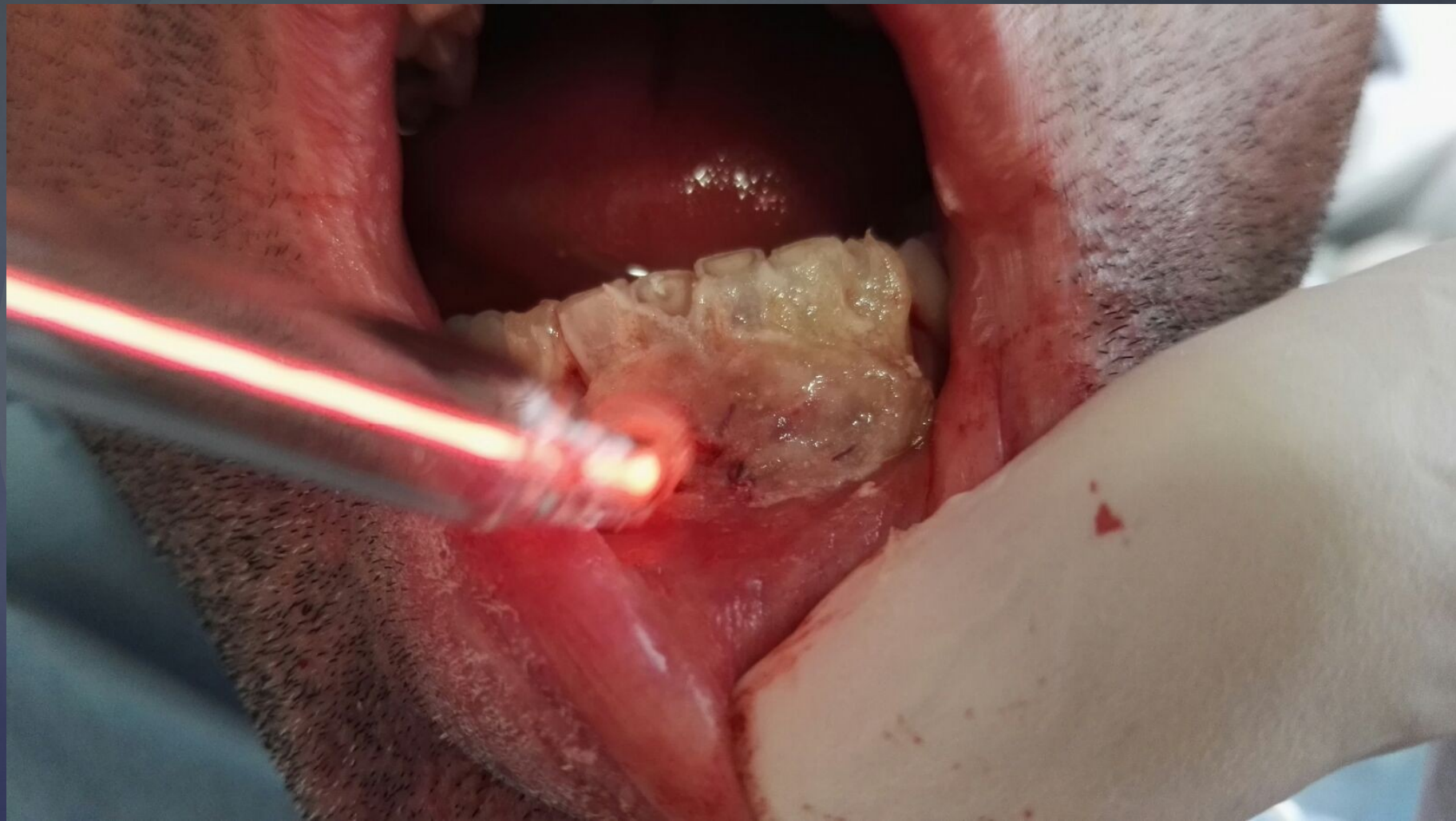




Severe gingival recession of 31



Post-intervention ozone application



a month later



a month later



Severe periimplantitis of 15 with gingival recession of 14



Intervention



Intervention



2 month later



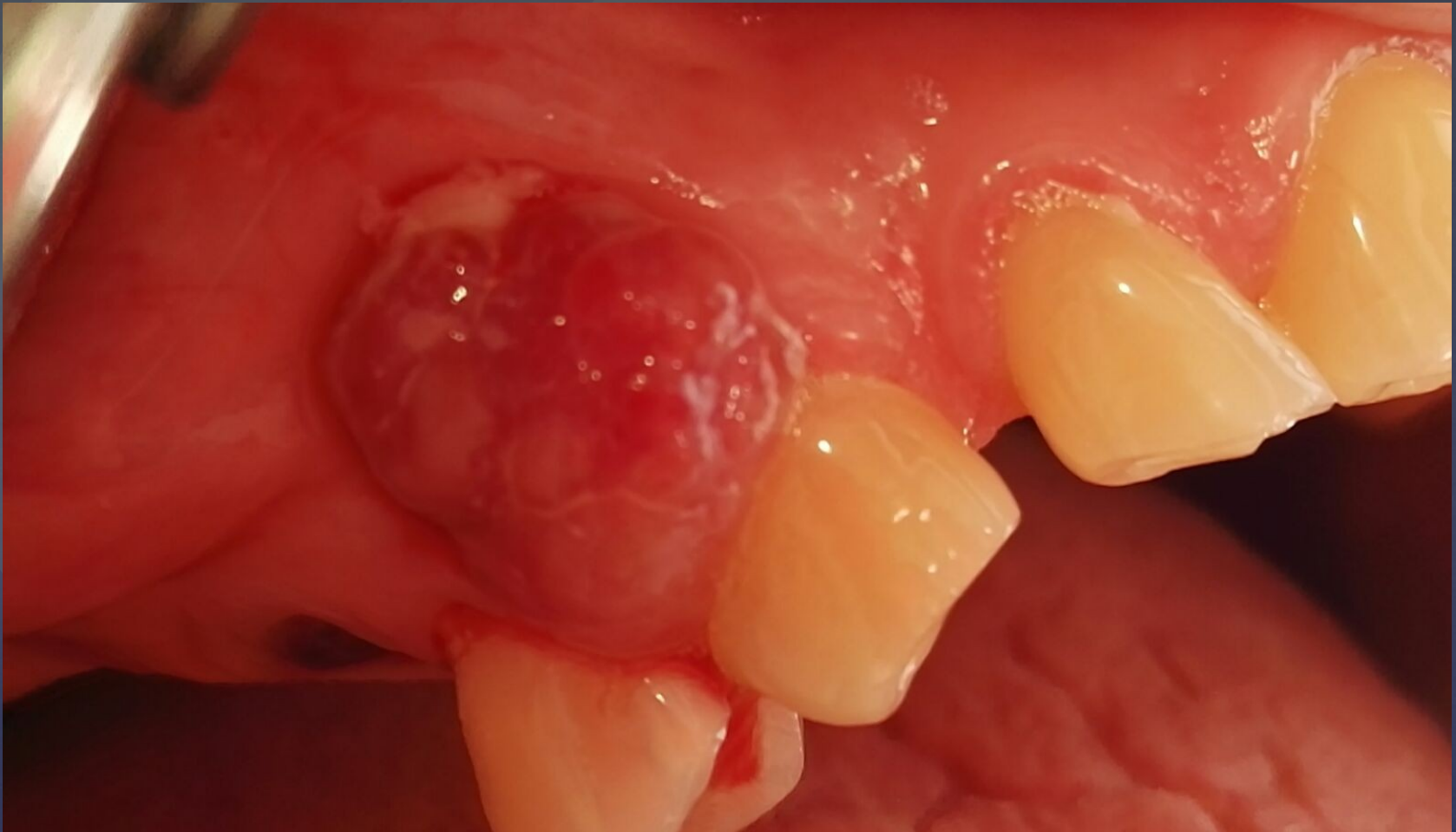
Severe gingival recession of 12



3 days after the intervention



Granulomatous lesion epulis of 13-14



One week later



**Severe gingival recession with
granulomatous lesion 11 and 21**





Survey



Intervention



One week later



Sub-gingival carious lesion 11



Carious lesion 11

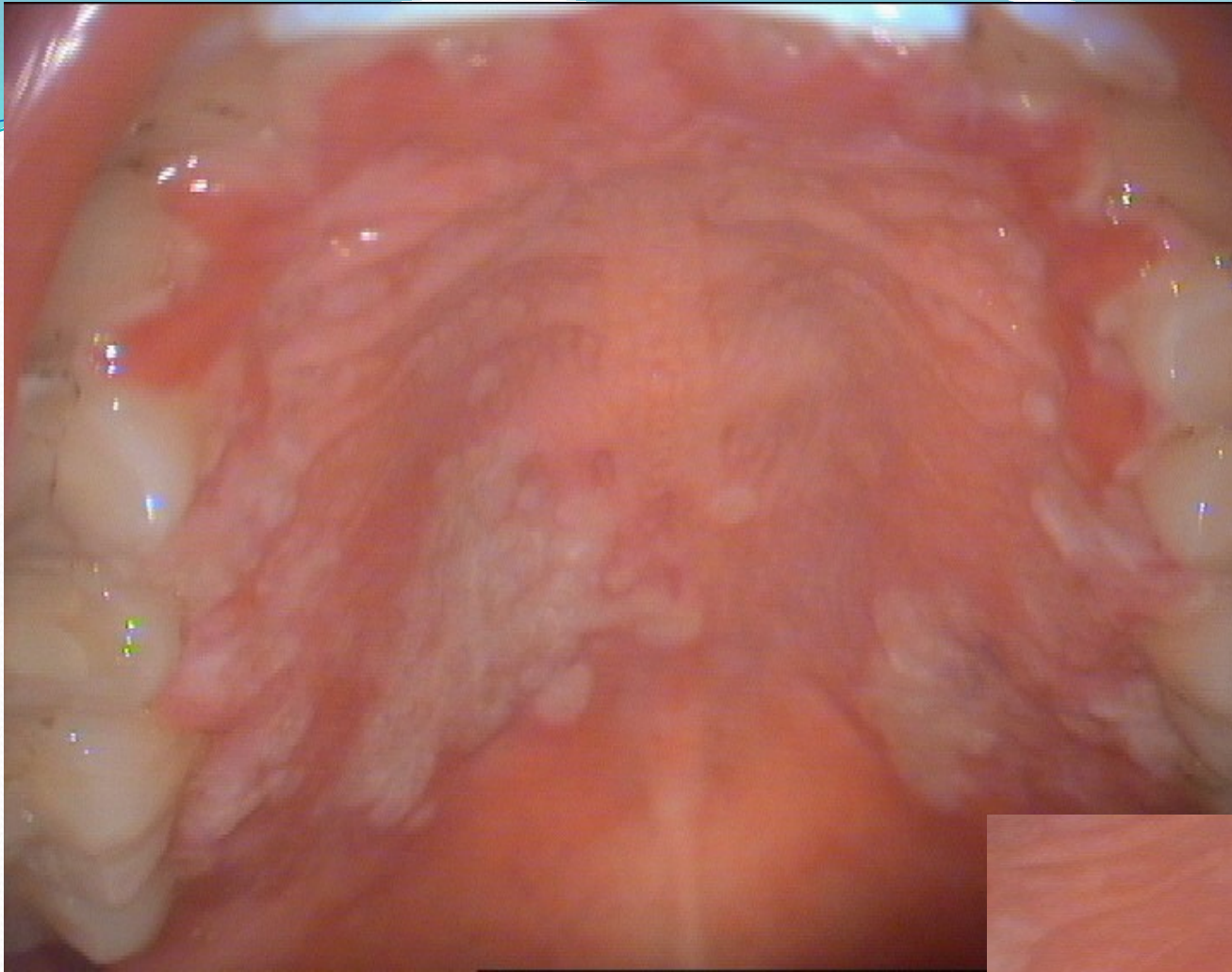


One week later



Ulcer-necrotizing gingivitis in allergic patient conventional therapies

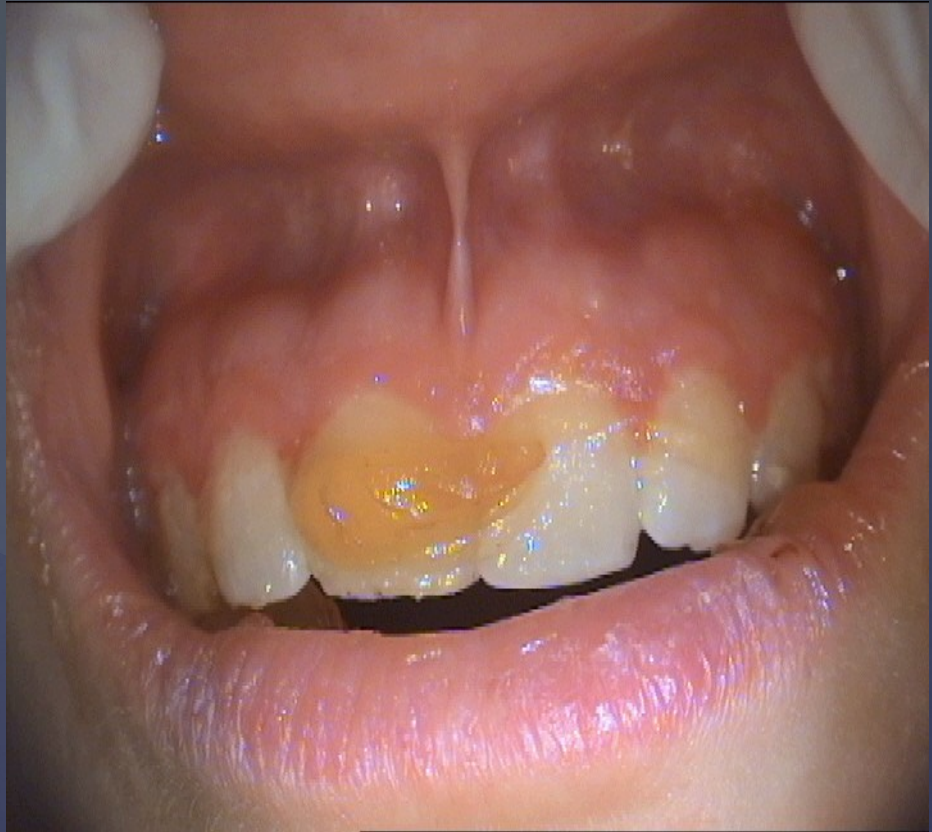






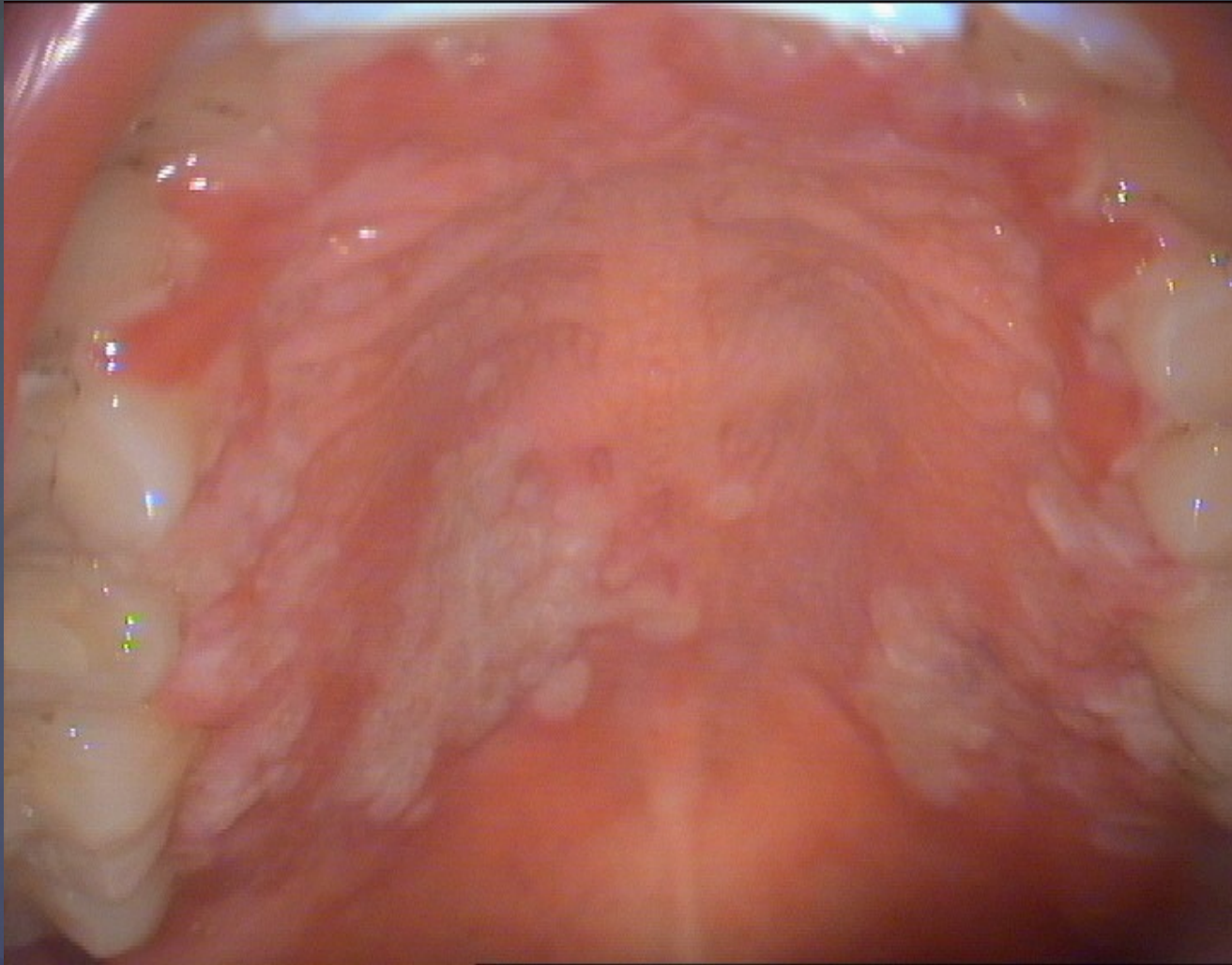
**After three days of application of the
phytotherapeutic gel**





HEALING
AFTER A WEEK











Dr. Andrea Possenti

Biostamina Consultant

Head of dental research department. 1988 degree in Medicine and Surgery at the University of Rome LA SAPIENZA. 1991 specialist in dentistry and dental prostheses II specialization school.

Rapporteur at various national and international congresses on topics of Posturology and Occlusion, Mio-Function Oral Care Therapy, Immunology, Phytotherapy in Dentistry.

From 1994 to 1997 scientific cooperation with Oasis, for the development of new phytotherapy therapies applied to dentistry and pharmacy professor for unconventional medicine courses.